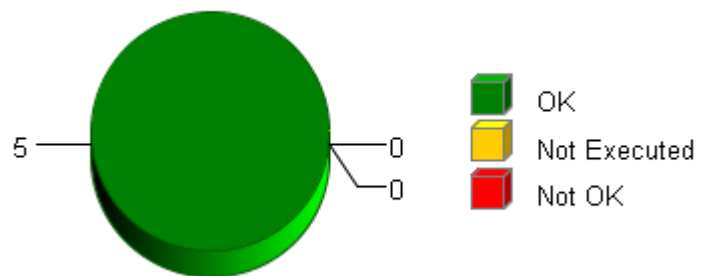


## Summary

Total Test Objects: 5  
Successful: 5  
Failed: 0  
Not Executed: 0  
Date: 2016-11-30  
Time: 19:29:21+0530

## Overall Test Object Results (including Coverage)



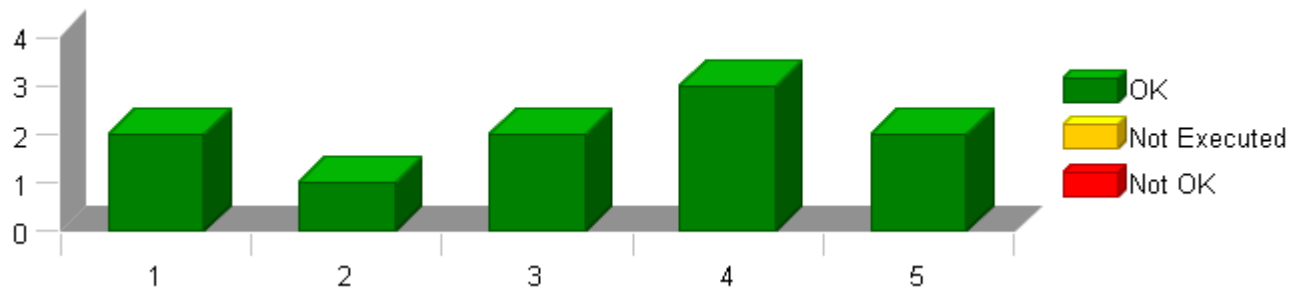
## Selected Project Items

Test Object "UnitTest/HwTqCorrln/CorrlnSigAvlChk"  
Test Object "UnitTest/HwTqCorrln/HwTqCorrln\_Init1"  
Test Object "UnitTest/HwTqCorrln/HwTqCorrln\_Per1"  
Test Object "UnitTest/HwTqCorrln/HwTqCorrln\_Per2"  
Test Object "UnitTest/HwTqCorrln/HwTqCorrln\_Per3"

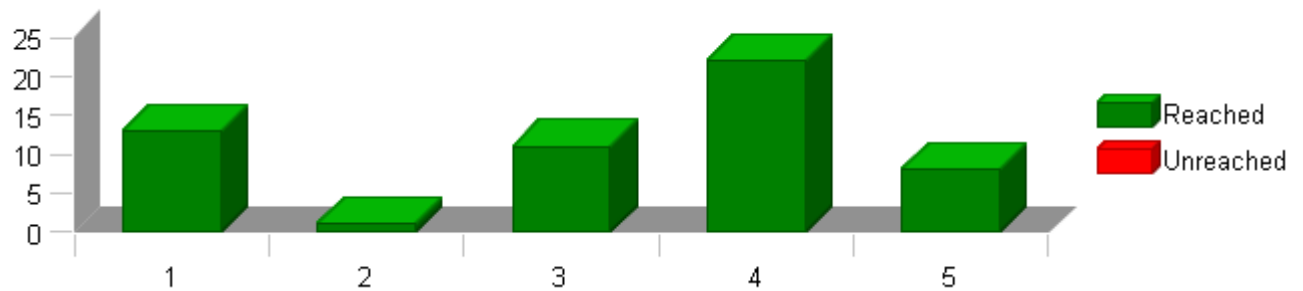
## Used Test Environments

TI TMS 570 PLS UDE (Default)

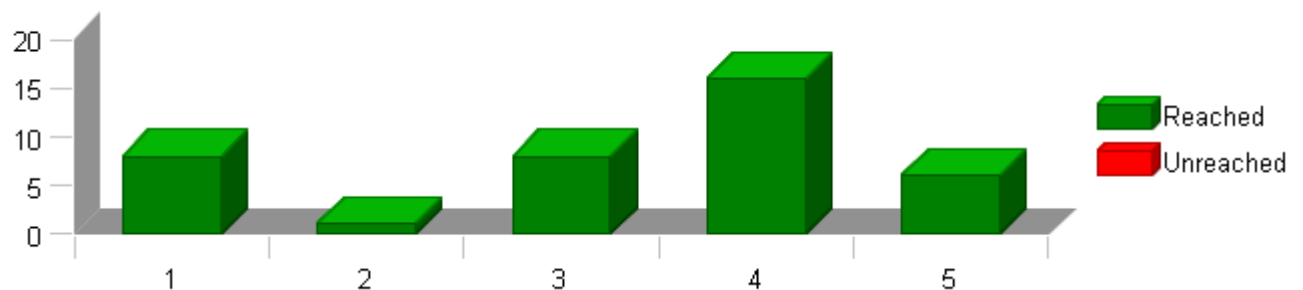
## Test Case Results for Each Test Object (without Coverage)



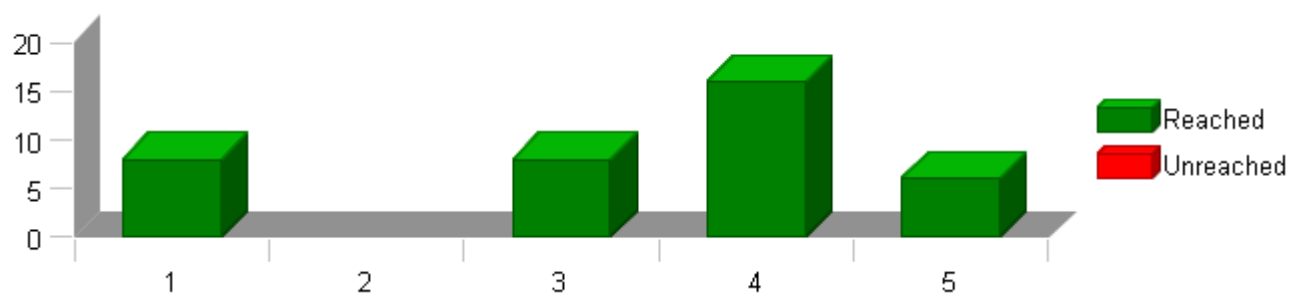
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

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

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

**Branch (C1) Coverage: Total Branches for Each Test Object**

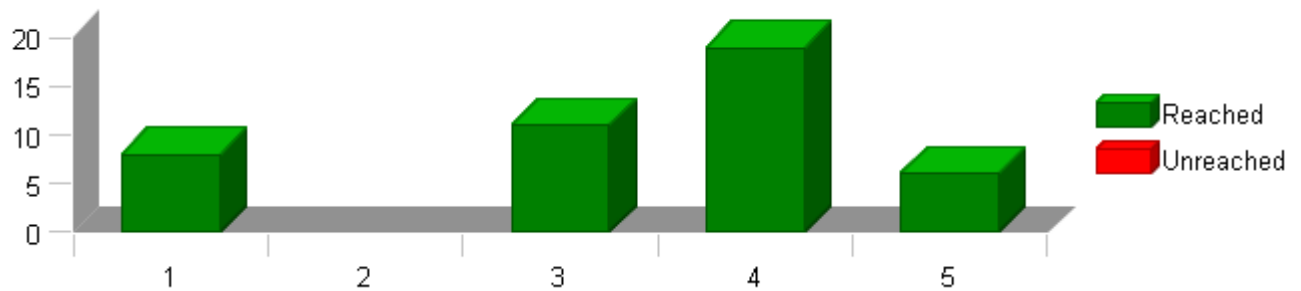
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

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

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

Each bar is divided into reached and unreached decision outcomes.

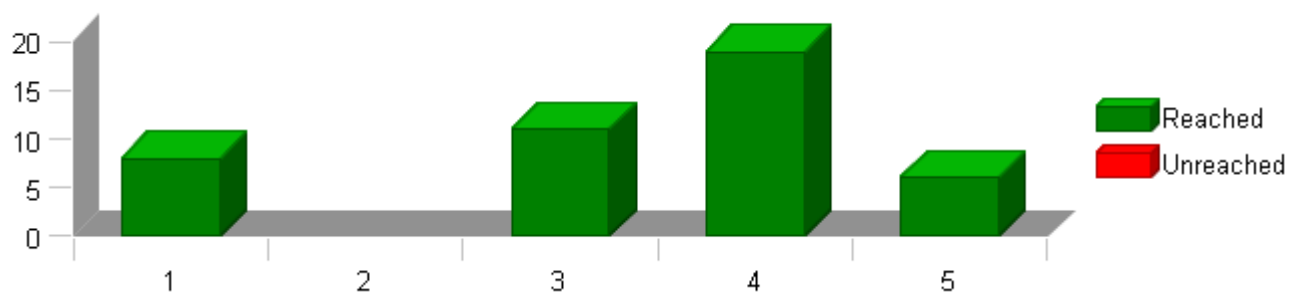
### MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

### MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

## TEST OVERVIEW REPORT

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Project HwTqCorrIn\_2



### 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
	HwTqCorrIn_2	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
	UnitTest	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
	HwTqCorrIn	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	✓
1	<a href="#">CorrInSigAvlChk</a>	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓
2	<a href="#">HwTqCorrIn_Init1</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
3	<a href="#">HwTqCorrIn_Per1</a>	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓
4	<a href="#">HwTqCorrIn_Per2</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	<a href="#">HwTqCorrIn_Per3</a>	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓

# TEST DETAILS REPORT

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HwTqCorrIn\_Per1



Project	HwTqCorrIn_2
Module	HwTqCorrIn
Test Object	HwTqCorrIn_Per1

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\src\Sa_HwTqCorrIn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

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

# TEST DETAILS REPORT

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HwTqCorrln\_Per1



Module 'HwTqCorrln'

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

Name of Tester: Priyanka Shitole  
Code File(s) Under Test:Sa\_HwTqCorrln.c  
Code File(s) Version: 2  
Module Design Document:HwTqCorrln\_MDD.doc  
Module Design Document Version:1  
Data Dictionary Version: 2  
Unit Test Plan Version:2  
Optimization Level:Level 2  
Compiler (CodeGen) Version: TMS470\_4.9.5  
Model Type: Excel Macro  
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32  
Total FLASH Used (Bytes): 1330  
Total RAM Used (Bytes): 44  
Total CALS Used (Bytes): 116  
Special Test Requirements:NA  
Test Date:11/30/2016  
Comments:  
"Note1: Inline function defined in GlobalMacro.h are not Unit Tested.  
  
Note2:""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.  
  
Note3: Variable 'HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32' is going out of range as [-20.1 to 20.1] over the DD range [0, 20]. Hence as per confirmation range considered as [-20.1 to 20.1] and same needs to be updated in the DD.  
  
Note4:As Tolerance is not Given for Variable ""HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32"" . so six significant Tolerance is used in Tessy.  
\*\*\*\*\*

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	8
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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HwTqCorrn\_Per1



## Test Case 1: Range Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 784.00 Cycles  
TS1.2 847.00 Cycles  
TS1.3 815.00 Cycles  
TS1.4 800.00 Cycles  
TS1.5 800.00 Cycles  
TS1.6 800.00 Cycles  
TS1.7 800.00 Cycles  
TS1.8 800.00 Cycles  
TS1.9 800.00 Cycles  
TS1.10 800.00 Cycles  
TS1.11 800.00 Cycles  
TS1.12 800.00 Cycles  
TS1.13 832.00 Cycles  
TS1.14 800.00 Cycles  
TS1.15 800.00 Cycles  
TS1.16 800.00 Cycles  
TS1.17 800.00 Cycles  
TS1.18 800.00 Cycles  
TS1.19 800.00 Cycles  
TS1.20 800.00 Cycles  
TS1.21 800.00 Cycles  
TS1.22 800.00 Cycles  
TS1.23 800.00 Cycles  
TS1.24 836.00 Cycles  
TS1.25 800.00 Cycles  
TS1.26 800.00 Cycles  
TS1.27 753.00 Cycles  
TS1.28 800.00 Cycles  
TS1.29 800.00 Cycles  
TS1.30 800.00 Cycles  
TS1.31 800.00 Cycles  
TS1.32 800.00 Cycles  
TS1.33 800.00 Cycles  
TS1.34 800.00 Cycles  
TS1.35 799.00 Cycles  
TS1.36 800.00 Cycles

**Description** Vector Description:

TS1.1All Min  
TS1.2All Max  
TS1.3HwTq1Qlfr\_State\_enum==>SIGQLFR\_NORES  
TS1.4HwTq1Qlfr\_State\_enum==>SIGQLFR\_PASS  
TS1.5HwTq1Qlfr\_State\_enum==>SIGQLFR\_FAIL  
TS1.6HwTq2Qlfr\_State\_enum==>SIGQLFR\_NORES  
TS1.7HwTq2Qlfr\_State\_enum==>SIGQLFR\_PASS  
TS1.8HwTq2Qlfr\_State\_enum==>SIGQLFR\_FAIL  
TS1.9HwTq1RollgCntr\_Cnt\_u08==>Min  
TS1.10HwTq1RollgCntr\_Cnt\_u08==>Max  
TS1.11HwTq1RollgCntr\_Cnt\_u08==>Pos  
TS1.12HwTq2RollgCntr\_Cnt\_u08==>Min  
TS1.13HwTq2RollgCntr\_Cnt\_u08==>Max  
TS1.14HwTq2RollgCntr\_Cnt\_u08==>Pos  
TS1.15HwTq1Val\_HwNm\_f32==>Min  
TS1.16HwTq1Val\_HwNm\_f32==>Max  
TS1.17HwTq1Val\_HwNm\_f32==>Pos  
TS1.18HwTq1Val\_HwNm\_f32==>Zero  
TS1.19HwTq1Val\_HwNm\_f32==>Neg  
TS1.20HwTq2Val\_HwNm\_f32==>Min  
TS1.21HwTq2Val\_HwNm\_f32==>Max  
TS1.22HwTq2Val\_HwNm\_f32==>Pos  
TS1.23HwTq2Val\_HwNm\_f32==>Zero  
TS1.24HwTq2Val\_HwNm\_f32==>Neg  
TS1.25HwTqCor\_Ch1Avl\_Cnt\_M\_lgc==>Min  
TS1.26HwTqCor\_Ch1Avl\_Cnt\_M\_lgc==>Max  
TS1.27k\_HwTqCor\_Ch1ImdtCorrnChkFailThd\_HwNm\_f32==>Min  
TS1.28k\_HwTqCor\_Ch1ImdtCorrnChkFailThd\_HwNm\_f32==>Max  
TS1.29k\_HwTqCor\_Ch1ImdtCorrnChkFailThd\_HwNm\_f32==>Pos  
TS1.30HwTqCor\_CorrnPass\_Cnt\_M\_lgc==>Min  
TS1.31HwTqCor\_CorrnPass\_Cnt\_M\_lgc==>Max  
TS1.32k\_HwTqCor\_Ch1ImdtCorrnChkPassThd\_HwNm\_f32==>Min  
TS1.33k\_HwTqCor\_Ch1ImdtCorrnChkPassThd\_HwNm\_f32==>Max  
TS1.34k\_HwTqCor\_Ch1ImdtCorrnChkPassThd\_HwNm\_f32==>Pos  
TS1.35Rte\_Call\_NxtrDiagMgr\_GetNTCActive==>Min  
TS1.36Rte\_Call\_NxtrDiagMgr\_GetNTCActive==>Max

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_CorrnPass_Cnt_M_lgc	0
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1ImdtCorrnChkFailThd_HwNm_f32	0
k_HwTqCor_Ch1ImdtCorrnChkPassThd_HwNm_f32	0

# TEST DETAILS REPORT

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HwTqCorrln\_Per1

Name	Input Value		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	0		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-10		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-10		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_Igc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_Igc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	1	1	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	1	1	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

Test Step 1.2 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		1		
HwTqCor_CorrlnPass_Cnt_M_lgc		1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08		255		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08		255		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08		255		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08		255		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32		20		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32		20		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value		2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value		255		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value		10		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value		2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value		255		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value		10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum		target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum		target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc		0	0	✓
HwTqCor_CorrlnPass_Cnt_M_lgc		1	1	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08		255	255	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08		255	255	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08		255	255	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08		255	255	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value		0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓



# TEST DETAILS REPORT

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HwTqCorrn\_Per1

## Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	244		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	65		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	65		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	1.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	11.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	2.45600009		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✓
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12	12	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12	12	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	✓
CorrnSigAvlChk	2	CorrnSigAvlChk	2	✓

## Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	135		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	42		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	42		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	152		
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1ImdtCorrnChkFailThd_HwNm_f32	2.54999995		
k_HwTqCor_Ch1ImdtCorrnChkPassThd_HwNm_f32	1.25		
target_HwTqCorrn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08.value	25		
target_HwTqCorrn_Per1_HwTq1Val_HwNm_f32.value	3.24000001		
target_HwTqCorrn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08.value	35		
target_HwTqCorrn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTqCorrnSts_Cnt_u16	target_HwTqCorrn_Per1_HwTqCorrnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	<div></div>
			<div></div>

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HwTqCorrln\_Per1

Name	Actual Value	Expected Value	Result
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25	25	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	35	35	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	3	3	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	253		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	199		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	199		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	244		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	3.25500011		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	2.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	125		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	5.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	9		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	125	125	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	9	9	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.6 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	24
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	24
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	135
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1mdtCorrlnChkFailThd_HwNm_f32	4.55000019
k_HwTqCor_Ch1mdtCorrlnChkPassThd_HwNm_f32	1.255
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	36

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Name	Input Value		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	175		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	9.22200012		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_Igc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_Igc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_Igc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	36	36	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	175	175	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	3	3	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

Test Step 1.7 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		1		
HwTqCor_CorrlnPass_Cnt_M_lgc		0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08		35		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08		12		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08		12		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08		253		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1lmdtCorrlnChkFailThd_HwNm_f32		12.25		
k_HwTqCor_Ch1lmdtCorrlnChkPassThd_HwNm_f32		15.3599997		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value		1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value		142		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value		-3.54999995		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value		1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value		164		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value		-7.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc		1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum		target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum		target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc		1	1	✓
HwTqCor_CorrlnPass_Cnt_M_lgc		1	1	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08		142	142	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08		0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08		164	164	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08		0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value		0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

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HwTqCorrn\_Per1

## Test Step 1.8 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	9		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	12		
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1ImdtCorrnChkFailThd_HwNm_f32	13.25		
k_HwTqCor_Ch1ImdtCorrnChkPassThd_HwNm_f32	18.25		
target_HwTqCorrn_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08.value	25		
target_HwTqCorrn_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrn_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per1_HwTqCorrnSts_Cnt_u16	target_HwTqCorrn_Per1_HwTqCorrnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25	25	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12	12	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrn_Per1_HwTqCorrnSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
CorrnSigAvlChk	2	CorrnSigAvlChk	2	✓

## Test Step 1.9 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	125		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	125		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	35		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	19.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	0		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	32		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	32	32	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	3	3	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.10 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	164		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	9		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	6.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	25		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-1.5		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25	25	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.11 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	142
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	142
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	175
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	18.2579994
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	2.54999995
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	152
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	6.35400009
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2

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Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	18		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	152	152	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	18	18	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.12 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	32		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	36		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	17.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	3.25500011		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	36		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-8.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	5.25		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✓
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	36	36	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

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## Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	142		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	4.55000019		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	135		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	135	135	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
CorrnSigAvlChk	2	CorrnSigAvlChk	2	✓

## Test Step 1.14 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	25		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	3.25500011		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	12.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	185		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-3.54999995		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	52		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	185	185	✔



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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	52	52	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	42		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	152		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFaiThd_HwNm_f32	1.255		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	13.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	215		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-10		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	144		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	215	215	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	144	144	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.16 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	199
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	244
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	18
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.75
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	244
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1



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Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	65		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	3.24000001		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	244	244	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	65	65	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.17 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	24		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	135		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	42		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	6.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	135		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	9.22200012		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	42		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	5.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✓
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	135	135	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	42	42	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255	255	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

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## Test Step 1.18 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	253		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	199		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	152		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1lmdtCorrInChkFailThd_HwNm_f32	16.25		
k_HwTqCor_Ch1lmdtCorrInChkPassThd_HwNm_f32	18.2579994		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	253		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	0		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	199		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	253	253	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	199	199	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	153	153	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.19 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	12		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	24		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	244		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1lmdtCorrInChkFailThd_HwNm_f32	18.25		
k_HwTqCor_Ch1lmdtCorrInChkPassThd_HwNm_f32	17.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-4.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	24		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12	12	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	24	24	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	245	245	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.20 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	125		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	35		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	135		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	2.54999995		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	35		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.22000027		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	35	35	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12	12	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	136	136	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.21 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	36
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	9
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	253
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	3.25
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	3.25500011
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	9
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.5
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1

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Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	25		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	9	9	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25	25	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	254	254	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.22 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	142		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	175		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	253		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	12		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.255		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	175		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	125		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175	175	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	125	125	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCACTive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

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HwTqCorrn\_Per1

## Test Step 1.23 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	35		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	5.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	18.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	164		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-1.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	36		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	0		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	164	164	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	36	36	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	✓
CorrnSigAvlChk	2	CorrnSigAvlChk	2	✓

## Test Step 1.24 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	142		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	35		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	9		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	2.54999995		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	6.35400009		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	142		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-8.55000019		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12	12	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	142	142	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.25 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	255		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	9		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	175		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	16.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	3.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	32		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	3.24000001		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	25		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	32	32	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25	25	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.26 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	175
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	36
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	25
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	5.25
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1

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Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25	25	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	1	1	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	3	3	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.27 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	18		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	253		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	199		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	0		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	5.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	18		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✓
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	18	18	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255	255	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255	255	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓



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## Test Step 1.28 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	66		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	152		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	24		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	20		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	14.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	66		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-3.54999995		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	152		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	66	66	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	153	153	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	152	152	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	3	3	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	✓
CorrnSigAvlChk	2	CorrnSigAvlChk	2	✓

## Test Step 1.29 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	128		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	35		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	42		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFaiThd_HwNm_f32	18.5799999		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	17.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	128		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	36		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	9.22200012		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	128	128	✔



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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	37	37	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	36	36	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.30 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	52		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	135		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	9		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	199		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	11.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	52		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	135		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-7.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	52	52	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	136	136	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	135	135	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	3	3	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.31 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	144
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	185
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	175
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	24
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.25
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	3.25500011
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	144
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.25
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2

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Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	185		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	144	144	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	186	186	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	185	185	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.32 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	215		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	12		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	2.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	0		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	65		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	9.22200012		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	215		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65	65	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	216	216	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	215	215	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

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## Test Step 1.33 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	42		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	244		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	142		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	25		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	1.255		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	20		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	42		
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-7.25		
target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	244		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-1.5		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	42	42	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	245	245	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	244	244	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.34 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	199		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	135		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	35		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFaiThd_HwNm_f32	15.3599997		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	12.5500002		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	199		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	135		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	199	199	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	136	136	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	135	135	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.35 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	24		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	253		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	9		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	18.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	18.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	24		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.22000027		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	253		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-1.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	24	24	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	254	254	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	253	253	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Step 1.36 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	12
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	175
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	19.25
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	2.54999995
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	175
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.25
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1

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HwTqCorrln\_Per1

Name	Input Value		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	6.35400009		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✔
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175	175	✔
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	13	13	✔
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12	12	✔
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✔
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

## Test Case 2: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment)  CPU Cycles:  TS2.1 753.00 Cycles TS2.2 847.00 Cycles
Description	Vector Description:  TS2.1"Shortest Execution Path: ( (SigAvl0_Cnt_T_lgc == TRUE)==>T && ( SigAvl1_Cnt_T_lgc == TRUE)==>T), (TrqSum_HwNm_T_f32 >= k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32)==>T, ((HwTqCor_CorrlnPass_Cnt_M_lgc == TRUE)==>F && (HwTqCor_Ch1Avl_Cnt_M_lgc == TRUE) && (NTC65_Cnt_T_lgc == FALSE))" TS2.2"Longest Execution Path: ( (SigAvl0_Cnt_T_lgc == TRUE)==>F && ( SigAvl1_Cnt_T_lgc == TRUE)), (TrqSum_HwNm_T_f32 >= k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32)==>F, (TrqSum_HwNm_T_f32 <= k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32)==>T, ((HwTqCor_CorrlnPass_Cnt_M_lgc == TRUE)==>T && (HwTqCor_Ch1Avl_Cnt_M_lgc == TRUE)==>F && (NTC65_Cnt_T_lgc == FALSE)==>F)"

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	0		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	0		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-10		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	✔

# TEST DETAILS REPORT

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HwTqCorrln\_Per1

Name	Actual Value	Expected Value	Result
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	1	1	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	1	1	✓
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

Test Step 2.2 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_CorrlnPass_Cnt_M_lgc	1			
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	255			
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255			
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255			
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1mdtCorrlnChkFailThd_HwNm_f32	20			
k_HwTqCor_Ch1mdtCorrlnChkPassThd_HwNm_f32	20			
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2			
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	255			
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10			
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2			
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	255			
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	10			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	✓	
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✓	
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	255	255	✓	
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255	255	✓	
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255	255	✓	
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	255	255	✓	
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
CorrlnSigAvlChk	2	CorrlnSigAvlChk	2	✓

# TEST DETAILS REPORT

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HwTqCorrIn\_Per2



Project	HwTqCorrIn_2
Module	HwTqCorrIn
Test Object	HwTqCorrIn_Per2

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\src\Sa_HwTqCorrIn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

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

# TEST DETAILS REPORT

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HwTqCorrln\_Per2



Module 'HwTqCorrln'

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

Name of Tester: Priyanka Shitole  
Code File(s) Under Test:Sa\_HwTqCorrln.c  
Code File(s) Version: 2  
Module Design Document:HwTqCorrln\_MDD.doc  
Module Design Document Version:1  
Data Dictionary Version: 2  
Unit Test Plan Version:2  
Optimization Level:Level 2  
Compiler (CodeGen) Version: TMS470\_4.9.5  
Model Type: Excel Macro  
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32  
Total FLASH Used (Bytes): 1330  
Total RAM Used (Bytes): 44  
Total CALS Used (Bytes): 116  
Special Test Requirements:NA  
Test Date:11/30/2016  
Comments:  
"Note1: Inline function defined in GlobalMacro.h are not Unit Tested.  
  
Note2:""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.  
  
Note3: Variable 'HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32' is going out of range as [-20.1 to 20.1] over the DD range [0, 20]. Hence as per confirmation range considered as [-20.1 to 20.1] and same needs to be updated in the DD.  
  
Note4:As Tolerance is not Given for Variable ""HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32"". so six significant Tolerance is used in Tessy.  
  
\*\*\*\*\*

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	8
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



## Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment)  CPU Cycles:  TS1.1 2143.00 Cycles TS1.2 1705.00 Cycles
Description	Vector Description:  TS1.1"Longest Execution Path:  (NTC65_Cnt_T_lgc == FALSE)==>True, ((Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32)==>F    (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFitThd_HwNm_f32)==>F) "  TS1.2"Shortest Execution Path: (NTC65_Cnt_T_lgc == FALSE)==>False, (((Ch1AbsSSDiagFiltOut_HwNm_T_f32 < k_HwTqCor_Ch1SSOpClrFitThd_HwNm_f32)==>F && (Ch1AbsSumFiltOut_HwNm_T_f32 < k_HwTqCor_Ch1TraSumOpClrFitThd_HwNm_f32)), (HwTqCor_Ch1Avl_Cnt_M_lgc == TRUE)==>F && (NTC65_Cnt_T_lgc == FALSE))"



Test Case 2: Range Test





Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment)
	CPU Cycles:
	TS2.1 2202.00 Cycles
	TS2.2 2237.00 Cycles
	TS2.3 1736.00 Cycles
	TS2.4 1733.00 Cycles
	TS2.5 1730.00 Cycles
	TS2.6 2155.00 Cycles
	TS2.7 1723.00 Cycles
	TS2.8 1705.00 Cycles
	TS2.9 1712.00 Cycles
	TS2.10 2111.00 Cycles
	TS2.11 1687.00 Cycles
	TS2.12 2111.00 Cycles
	TS2.13 1687.00 Cycles
	TS2.14 1694.00 Cycles
	TS2.15 2137.00 Cycles
	TS2.16 2144.00 Cycles
	TS2.17 1704.00 Cycles
	TS2.18 2116.00 Cycles
	TS2.19 1704.00 Cycles
	TS2.20 1705.00 Cycles
	TS2.21 2111.00 Cycles
	TS2.22 2093.00 Cycles
	TS2.23 1710.00 Cycles
	TS2.24 1688.00 Cycles
	TS2.25 2137.00 Cycles
	TS2.26 2143.00 Cycles
	TS2.27 1710.00 Cycles
	TS2.28 2090.00 Cycles
	TS2.29 2093.00 Cycles
	TS2.30 2111.00 Cycles
	TS2.31 2093.00 Cycles
	TS2.32 2122.00 Cycles
	TS2.33 1704.00 Cycles
	TS2.34 2093.00 Cycles
	TS2.35 2093.00 Cycles
	TS2.36 1698.00 Cycles
	TS2.37 1710.00 Cycles
	TS2.38 1688.00 Cycles
	TS2.39 1694.00 Cycles
	TS2.40 1705.00 Cycles
	TS2.41 2111.00 Cycles
	TS2.42 2137.00 Cycles
	TS2.43 2143.00 Cycles
	TS2.44 1710.00 Cycles
	TS2.45 1704.00 Cycles
	TS2.46 2143.00 Cycles
	TS2.47 1694.00 Cycles
	TS2.48 2143.00 Cycles
	TS2.49 2100.00 Cycles
	TS2.50 1705.00 Cycles
	TS2.51 1687.00 Cycles
	TS2.52 1687.00 Cycles
	TS2.53 1694.00 Cycles
	TS2.54 1694.00 Cycles
	TS2.55 2143.00 Cycles
	TS2.56 1688.00 Cycles
	TS2.57 2137.00 Cycles
	TS2.58 1694.00 Cycles
	TS2.59 2111.00 Cycles
	TS2.60 1705.00 Cycles
	TS2.61 2093.00 Cycles
	TS2.62 1694.00 Cycles
	TS2.63 2111.00 Cycles

# TEST DETAILS REPORT

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HwTqCorrIn\_Per2

## Description

Vector Description:

TS2.1All Min  
TS2.2All Max  
TS2.3HwTq1Val\_HwNm\_f32==>Min  
TS2.4HwTq1Val\_HwNm\_f32==>Max  
TS2.5HwTq1Val\_HwNm\_f32==>Pos  
TS2.6HwTq1Val\_HwNm\_f32==>Zero  
TS2.7HwTq1Val\_HwNm\_f32==>Neg  
TS2.8HwTq2Val\_HwNm\_f32==>Min  
TS2.9HwTq2Val\_HwNm\_f32==>Max  
TS2.10HwTq2Val\_HwNm\_f32==>Pos  
TS2.11HwTq2Val\_HwNm\_f32==>Zero  
TS2.12HwTq2Val\_HwNm\_f32==>Neg  
TS2.13HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Min  
TS2.14HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Max  
TS2.15HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Pos  
TS2.16HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Zero  
TS2.17HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Neg  
TS2.18k\_HwTqCor\_Ch1TqSumLim\_HwNm\_f32==>Min  
TS2.19k\_HwTqCor\_Ch1TqSumLim\_HwNm\_f32==>Max/Default  
TS2.20k\_HwTqCor\_Ch1TqSumLim\_HwNm\_f32==>Pos  
TS2.21t\_HwTqCor\_Ch1TraLPFindAxis\_HwNm\_u6p10[17]==>Min  
TS2.22t\_HwTqCor\_Ch1TraLPFindAxis\_HwNm\_u6p10[17]==>Max  
TS2.23t\_HwTqCor\_Ch1TraLPFindAxis\_HwNm\_u6p10[17]==>Pos/Default  
TS2.24t\_HwTqCor\_Ch1TraLPDepAxis\_Hz\_u7p9[17]==>Min  
TS2.25t\_HwTqCor\_Ch1TraLPDepAxis\_Hz\_u7p9[17]==>Max  
TS2.26t\_HwTqCor\_Ch1TraLPDepAxis\_Hz\_u7p9[17]==>Pos  
TS2.27HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Min  
TS2.28HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Max  
TS2.29HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Pos  
TS2.30HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Zero  
TS2.31HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Neg  
TS2.32HwTqCor\_Ch1TraFiltKSV\_M\_str.K==>Min  
TS2.33HwTqCor\_Ch1TraFiltKSV\_M\_str.K==>Max  
TS2.34HwTqCor\_Ch1TraFiltKSV\_M\_str.K==>Pos  
TS2.35HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Min  
TS2.36HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Max  
TS2.37HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Pos  
TS2.38HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Zero  
TS2.39HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Neg  
TS2.40k\_HwTqCor\_Ch1CMCLPFOpLim\_HwNm\_f32==>Min  
TS2.41k\_HwTqCor\_Ch1CMCLPFOpLim\_HwNm\_f32==>Max  
TS2.42k\_HwTqCor\_Ch1CMCLPFOpLim\_HwNm\_f32==>Pos/Default  
TS2.43HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32==>Min  
TS2.44HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32==>Max  
TS2.45HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32==>Pos  
TS2.46HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32==>Zero  
TS2.47HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32==>Neg  
TS2.48k\_HwTqCor\_Ch1SSOpSetFiltHd\_HwNm\_f32==>Min  
TS2.49k\_HwTqCor\_Ch1SSOpSetFiltHd\_HwNm\_f32==>Max  
TS2.50k\_HwTqCor\_Ch1SSOpSetFiltHd\_HwNm\_f32==>Pos/Default  
TS2.51k\_HwTqCor\_Ch1TraSumOpSetFiltHd\_HwNm\_f32==>Min  
TS2.52k\_HwTqCor\_Ch1TraSumOpSetFiltHd\_HwNm\_f32==>Max  
TS2.53k\_HwTqCor\_Ch1TraSumOpSetFiltHd\_HwNm\_f32==>Pos/Default  
TS2.54k\_HwTqCor\_Ch1SSOpClrFiltHd\_HwNm\_f32==>Min  
TS2.55k\_HwTqCor\_Ch1SSOpClrFiltHd\_HwNm\_f32==>Max  
TS2.56k\_HwTqCor\_Ch1SSOpClrFiltHd\_HwNm\_f32==>Pos  
TS2.57k\_HwTqCor\_Ch1TraSumOpClrFiltHd\_HwNm\_f32==>Min  
TS2.58k\_HwTqCor\_Ch1TraSumOpClrFiltHd\_HwNm\_f32==>Max  
TS2.59k\_HwTqCor\_Ch1TraSumOpClrFiltHd\_HwNm\_f32==>Pos  
TS2.60HwTqCor\_Ch1Avl\_Cnt\_M\_lgc==>Min  
TS2.61HwTqCor\_Ch1Avl\_Cnt\_M\_lgc==>Max  
TS2.62Rte\_Call\_NxtrDiagMgr\_GetNTCActive==>Min  
TS2.63Rte\_Call\_NxtrDiagMgr\_GetNTCActive==>Max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-10
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-20.1000004
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	0
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	0
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	0
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	0
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[0]	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[1]	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[2]	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[3]	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[4]	0
t_HwTqCor_Ch1TraLPDepAxis_Hz_u7p9[5]	0

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HwTqCorrln\_Per2

Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	0		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	20.1000004
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	20
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.610338867
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	20
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	20
k_HwTqCor_Ch1TqSumLim_HwNm_f32	10
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	20
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	20
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	19200
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	19200
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	19200
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	19200

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HwTqCorrn\_Per2

Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	19200		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	20480		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	7.7932215	7.7932229 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.61033893	0.610338867 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.25
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.5783
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	10.1216002
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.215000004
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	1.79100001
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	1.79100001
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	18.9207993
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.23556328
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	5.85550022
k_HwTqCor_Ch1TraSumOpSetFitHd_HwNm_f32	9.90690041
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6885
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3287
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6235

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HwTqCorrn\_Per2

Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4695		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8070		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7280		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9309		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9092		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5660		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9395		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	927		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	782		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6845		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3027		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2124		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5411		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9509		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13151		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	5864		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	6791		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	14217		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17971		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	4135		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16005		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	8573		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	12750		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6267		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15234		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6024		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	9865		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	8034		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	9128		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	886		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-10		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	3.5783		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Igc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.2355633	-6.23556328 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.017807	-14.017808 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28678095	0.286780924 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	7.12200022
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.38849998
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	1.92560005
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive(NTCACTive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	1.28129995
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	1.28129995
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	7.84959984
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.638291061
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	3.93179989
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	9.05790043
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043

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Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	6552		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2969		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	11569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	10127		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6824		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	5227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	9564		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2972		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	223		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9652		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4034		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	11961		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	13161		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	19686		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19915		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	5086		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	13633		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.38849998		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.63829106	0.638291061 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.7415658	-1.74156606 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓

## Test Step 2.5 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	10.6199999
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.3319
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	2.45679998
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.14519978
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.349999994
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	16.9852009
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	16.9852009
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.0325003
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.55192661
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.56489992
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	11.4703999



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Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4923		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	7114		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3241		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5661		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2304		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2970		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9391		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2805		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4831		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4645		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6526		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2665		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4592		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16731		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	4945		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7398		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	6.25		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-1.3319		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_1c	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.7909501	3.79095006 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.084085	-3.08408523 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.13370651	0.133706495 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.14999962
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.96729994
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.72130013
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.245000005
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive(NTCACTive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	15.2867002
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	15.2867002
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.01360011
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.28683758
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	5.7670002

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HwTqCorrn\_Per2

Name	Input Value		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	13.8241997		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	2353		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	9541		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	18672		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	10210		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	11998		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2894		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13367		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16916		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	1334		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17175		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	14912		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	19530		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	17494		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	304		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	1587		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19576		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	0		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	4.96729994		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_1c	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.48365	-2.48364997 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-13.198799	-13.1987991 ± 0.00009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.36507899	0.365078986 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	2	2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓

Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.92199993
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.14969993
HwTqCor_Ch1SSDiagFltOut_HwNm_M_f32	12.2903996
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-9.12520027
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.151999995
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive(NTCACTive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive_NTCACTive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.3299007
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	19.3299007
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	14.1679001

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Name	Input Value		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	4.06483078		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	2.79369998		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	13.4265003		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6575		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	2932		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9681		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3395		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7108		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	8986		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2068		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	8003		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	4287		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	6375		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3134		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	7617		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3012		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4932		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	4017		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4564		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	443		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13151		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	5864		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	6791		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	14217		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17971		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	4135		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16005		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	8573		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	12750		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6267		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15234		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6024		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	9865		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	8034		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	9128		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	886		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-1.25		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-3.14969993		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.94984996	0.949850023 ± 0.00000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-6.3460498	-6.34604979 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.27584481	0.275844812 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	2	2	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.14420033
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.382600009
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	6.68330002
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	1.25
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.178000003
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive(NTCACTive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.79469991

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Name	Input Value		
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	3.79469991		
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	20		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.133483708		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	1.00220001		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	14.3156004		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3276		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1484		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	5784		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	5063		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3412		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2614		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4782		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1486		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	111		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	4826		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2017		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	5981		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6580		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9843		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9957		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2543		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	6816		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	6552		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2969		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	11569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	10127		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6824		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	5227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	9564		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2972		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	223		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9652		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4034		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	11961		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	13161		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	19686		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19915		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	5086		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	13633		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	6.26949978		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-10		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive NTCActive Ptr T_lg	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.13348371	0.133483708 ± 0.00000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	1.0841455	1.08414555 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.1485464	0.148546398 ± 0.00000009	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-13.3660002
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.02029991
HwTqCor_Ch1SSDiagFltOut_HwNm_M_f32	1.64189994
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	4.11499977
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.449999988
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn

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HwTqCorrn\_Per2

Name	Input Value		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.3047009		
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	17.3047009		
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	9.05790043		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.533672631		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	10.9485998		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	16.4972		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	7132		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5664		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	4831		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	2876		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8366		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5471		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	7299		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	5766		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8423		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	10201		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3694		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2515		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3810		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4018		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9284		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2472		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3699		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16731		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	4945		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7398		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-9.70559978		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.53367263	-0.533672631 ± 0.00000009	✓
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	2.7418923	2.74189281 ± 0.000009	✓
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.29537624	0.295376211 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.81999969
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.51130009
HwTqCor_Ch1SSDiagFltOut_HwNm_M_f32	18.0414009
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	15.2250004
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.601000011
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc

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HwTqCorrn\_Per2

Name	Input Value		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.9995003		
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	16.9995003		
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	14.6106997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.07120514		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	8.08110046		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	4.59350014		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	890		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	1336		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	1781		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2226		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2671		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	3117		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3561		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	4007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4452		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4897		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5342		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6234		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6678		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	7124		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	891		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	1780		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2671		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3563		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	4451		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	5342		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6234		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	7122		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8014		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	8905		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	9793		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	10685		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	11576		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	12467		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	13356		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	14247		
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	5.97520018		
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	7.25		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.63739991	-0.637399971 ± 0.00000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	14.973184	14.9731827 ± 0.00009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.015875101	0.0158751272 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.1500001
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.48950005
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	10.9541998
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	8.21150017
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0

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HwTqCorrln\_Per2

Name	Input Value		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4280005		
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	11.4280005		
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	18.6074009		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.95006442		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	2.70619988		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	7.81899977		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	890		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	1336		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	1781		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2226		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2671		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	3117		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3561		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	4007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4452		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4897		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5342		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6234		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6678		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	7124		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	891		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	1780		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2671		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3563		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	4451		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	5342		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6234		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	7122		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8014		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	8905		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	9793		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	10685		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	11576		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	12467		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	13356		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	14247		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	7.10430002		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	0		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.55215	3.55215001 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	7.8137093	7.81370926 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.085374773	0.0853747576 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.4749999
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.04299998
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	20
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-17.1469994



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Name	Input Value
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.144999996
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	20
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.5889997
k_HwTqCor_Ch1TqSumLim_HwNm_f32	7.8061614
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	6.95039988
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	10.2868996
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6885
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3287
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6235
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4695
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8070
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7280
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9309
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9092
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5660
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9395
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	927
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	782
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6845
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3027
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2124
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5411
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9509
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	8781
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7899
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	7403
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	187
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3811
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	246
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6029
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14281
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5363
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	10614
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	13995
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4103
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	15439
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	12322
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	386
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18888
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11006
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	4.88980007
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.25
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc	1
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.5699	4.56990004 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.919006	-10.9190073 ± 0.00009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28678095	0.286780924 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.13499999
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-10
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	1.60370004



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HwTqCorrn\_Per2

Name	Input Value		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.1958008		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	17.1958008		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	5.91620016		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.38534212		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.2967		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	12.3872995		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7281		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7849		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15151		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	12714		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6907		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	19301		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	10976		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	15870		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9376		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18607		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	14743		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	17010		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11366		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	10266		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18232		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11594		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	4772		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-9.04759979		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-0.382600009		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.3853421	-3.38534212 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.3075614	-3.3075614 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10

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HwTqCorrn\_Per2

Name	Input Value		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.05070019		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.14519978		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	2.6888001		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	2.6888001		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.5563002		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.49079037		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	11.7087002		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	7.76149988		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4923		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	7114		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3241		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5661		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2304		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2970		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9391		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2805		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4831		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4645		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6526		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2665		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4592		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7205		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	18687		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	17683		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	20307		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	12534		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	16610		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13144		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17284		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19751		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	17393		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	18985		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5156		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1419		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	12762		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	3153		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	6027		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	641		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-1.3053		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	9.02029991		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-5.1627998	-5.16279984 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.2812595	-4.28125954 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.13370651	0.133706495 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999

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HwTqCorrln\_Per2

Name	Input Value		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.25		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	13.4923		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	1.45840001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	4.65701389		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	10.0507002		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13121		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16073		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15679		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	7356		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	5195		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13465		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	10239		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6749		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	18362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	7257		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17244		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	17848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11463		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	1004		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20204		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	729		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19435		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	8.11499977		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.51130009		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.6570139	4.65701389 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.59414	-10.5941391 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36498547	0.364985466 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
InplVarXY_u16_u16Xu16Y_Cnt	1	InplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓

Test Step 2.16 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	1

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HwTqCorrln\_Per2

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	16.0077		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	1.45840001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.04142332		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	10.0507002		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13121		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16073		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15679		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	7356		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	5195		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13465		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	10239		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6749		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	18362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	7257		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17244		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	17848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11463		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	1004		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20204		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	729		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19435		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	8.11499977		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-4.51130009		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	5.0414233	5.04142332 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.453835	-10.4538355 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36498547	0.364985466 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrn\_Per2

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.25		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.3781004		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFitThd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	1.45840001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.64870811		
k_HwTqCor_Ch1TraSumOpClrFitThd_HwNm_f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFitThd_HwNm_f32	10.0507002		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13121		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16073		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15679		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	7356		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	5195		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13465		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	10239		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6749		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	18362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	7257		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17244		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	17848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11463		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	1004		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20204		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	729		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19435		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	8.11499977		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-4.51130009		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.6487081	3.64870811 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.962156	-10.9621553 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36498547	0.364985466 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrn\_Per2

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.14519978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.48950005		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.20440006		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-9.12520027		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.395000011		
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	0.519900024		
k_HwTqCor_Ch1SSOpClrFitHd_HwNm_f32	0.519900024		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	12.2229004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0		
k_HwTqCor_Ch1TraSumOpClrFitHd_HwNm_f32	10.4469004		
k_HwTqCor_Ch1TraSumOpSetFitHd_HwNm_f32	15.6351995		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2696		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	2720		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9289		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	6766		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	2842		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	9717		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	5952		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	6983		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5922		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7641		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2397		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	7537		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	232		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	824		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	8131		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9522		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	4107		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17274		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15616		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	3547		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	8536		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	18790		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	541		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14896		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5349		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	4012		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	11201		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	2964		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	16662		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	10872		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18767		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	13652		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	2940		
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	6.60010004		
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	6.48950005		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-7.994072	-7.99407148 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12395656	0.123956554 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

# TEST DETAILS REPORT

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HwTqCorrn\_Per2

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.04299998		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	13.8507996		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-9.12520027		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.71939993		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	3.71939993		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	14.7041998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	10		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	1.40980005		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	7.46280003		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9937		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1591		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7844		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3680		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	296		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2791		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9383		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4035		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3196		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	8471		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9545		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	9906		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8517		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5136		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	5176		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	7366		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1115		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	6454		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	13505		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4192		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9090		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	5685		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9831		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6304		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2700		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	6999		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	2225		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	13252		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5263		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	10820		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	15761		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	10084		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	8402		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	1144		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-2.15569997		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-2.04299998		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.056349993	-0.0563500002 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.624507	-5.62450695 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38601291	0.386012882 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓



# TEST DETAILS REPORT

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HwTqCorrn\_Per2

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFltKSV_M_str.SV_Uls_f32	-9.12520027		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.91700006		
HwTqCor_Ch1SSDiagFltOut_HwNm_M_f32	8.72340012		
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-1.15219998		
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	12.4843998		
k_HwTqCor_Ch1SSOpClrFltHd_HwNm_f32	12.4843998		
k_HwTqCor_Ch1SSOpSetFltHd_HwNm_f32	1.37339997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	7.3962388		
k_HwTqCor_Ch1TraSumOpClrFltHd_HwNm_f32	11.8113003		
k_HwTqCor_Ch1TraSumOpSetFltHd_HwNm_f32	15.4236002		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2804		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9742		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6384		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	491		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	6481		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	8822		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	5396		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2374		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5148		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7427		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2345		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	106		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	10143		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9569		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	731		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9212		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2413		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	18213		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	9702		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9216		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5976		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	624		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	15578		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	17198		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11544		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2404		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	1118		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4085		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	14020		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	14198		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	19412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	1220		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11714		
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	-3.91700006		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.9584999	6.95849991 ± 0.000009	✔
HwTqCor_Ch1TraFltKSV_M_str.SV_Uls_f32	-0.10925686	-0.109256826 ± 0.00000009	✔
HwTqCor_Ch1TraFltKSV_M_str.K_Uls_f32	0.12858856	0.128588557 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	2	2	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓



# TEST DETAILS REPORT

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HwTqCorrln\_Per2

## Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.15219998		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.30690002		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	12.1070995		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.154520005		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.28640008		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	3.28640008		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	15.7143002		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.630322278		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	13.6743002		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	13.6473999		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3634		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3357		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7614		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4534		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	4423		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	1552		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2820		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9338		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	12		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	6479		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4848		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	3567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6930		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6308		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9233		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5883		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	10150		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	0		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	0		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	8.30039978		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.30690002		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.50325012	-0.503250003 ± 0.00000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	2.3028028	2.30280304 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.39239907	0.392399073 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

# TEST DETAILS REPORT

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HwTqCorrln\_Per2

Test Step 2.22 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.11499977			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.26659989			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.6386003			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.254999995			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	15.0268002			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	15.0268002			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.5834999			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.13602924			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.06990004			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	14.3451004			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	5609			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	6812			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9859			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	8336			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	2383			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5170			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9758			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	3051			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8056			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	249			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4841			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	5201			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	9636			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	8976			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	10094			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9731			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2917			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	20480			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	20480			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-8.81900024			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.26659989			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.0427999	-6.04279995 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	10.106279	10.1062794 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.24067938	0.240679368 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.23 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	15.2250004			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.18050003			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.93410015			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.524999976			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	5.0545001			
k_HwTqCor_Ch1SSOPClrFiltHd_HwNm_f32	5.0545001			
k_HwTqCor_Ch1SSOPSetFiltHd_HwNm_f32	0.487899989			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.40466893			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	6.36630011			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	9.08240032			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[0]	10043			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[1]	8167			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[2]	1302			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[3]	3911			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[4]	9116			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[5]	662			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[6]	4068			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[7]	7616			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[8]	7567			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[9]	7261			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[10]	2446			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[11]	4188			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[12]	8626			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[13]	6425			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[14]	3818			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[15]	6518			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[16]	1848			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	34873			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	34873			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	34873			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	34873			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19910			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	12411			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	9199			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	7350			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	6137			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	5272			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4623			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4119			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	3714			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	3382			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	3104			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	2870			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	2668			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	9.94069958			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.18050003			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.4046689	1.40466893 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.5622854	5.5622859 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2



Test Step 2.24 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.21150017			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.00240004			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.565400004			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.254999995			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	5.16190004			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	5.16190004			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	13.6759005			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.2879467			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	20			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	1.56710005			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[0]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[1]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[2]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[3]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[4]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[5]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[6]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[7]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[8]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[9]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[10]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[11]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[12]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[13]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[14]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[15]	0			
t_HwTqCor_Ch1TraLPFDpAxis_Hz_u7p9[16]	0			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	11419			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2193			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3853			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	16190			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	4122			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13052			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17227			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20179			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16456			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	12196			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-2.35560012			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.00240004			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.67660004	-0.676599979 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469999	-17.1469994 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.25 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-7.94250011			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	17.5550995			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	19.4554005			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	19.4554005			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.0959997			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.779619217			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	4.89120007			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	3.4605			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	19200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	19200			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14799			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	3413			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19472			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	15950			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3854			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11559			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14061			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	1932			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2106			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13267			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9086			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	8190			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11834			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	3994			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	6949			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11361			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	3636			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	1.02219999			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-7.94250011			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.77961922	0.779619217 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.79368377	-0.793684065 ± 0.0000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.61033893	0.610338867 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	





Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.26 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-3.2579999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		1.78180003		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		19.6231003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-4.14519978		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		0.235850006		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32		10.1653996		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32		10.1653996		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32		11.8203001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32		6.77189779		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32		0.882499993		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32		16.4256992		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]		0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]		446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]		890		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]		1336		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]		1781		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]		2226		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]		2671		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]		3117		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]		3561		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]		4007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]		4452		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]		4897		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]		5342		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]		5788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]		6234		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]		6678		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]		7124		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]		520		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]		10678		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]		9113		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]		4094		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]		11817		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]		1602		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]		3618		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]		137		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]		3517		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]		15954		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]		12450		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]		15010		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]		7274		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]		14442		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]		13605		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]		1440		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]		9565		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value		6.10930014		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value		1.78180003		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.1637502	2.16374993 ± 0.000009		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.1223245	-4.12232447 ± 0.000009		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.0036258698	0.00362587697 ± 0.0000001		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*		
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2		

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HwTqCorrln\_Per2

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.14519978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.58419991		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.24529982		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.9514999		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	19.9514999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	15.8814001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.744521856		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	13.7889996		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	9.53120041		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	7282		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5139		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	4211		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	913		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7542		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	4913		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2357		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4548		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2992		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9415		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9112		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	3380		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	7688		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9164		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	1090		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	1792		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4197		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12646		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	12754		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5301		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11783		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6724		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16101		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1876		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8868		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17726		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15095		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9183		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20134		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3688		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7418		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-8.87639999		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	4.58419991		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.74452186	-0.744521856 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.212854	-14.2128553 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.30054539	0.300545365 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔



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HwTqCorrIn\_Per2

Name	Actual Value	Expected Value	Result
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.18809986		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	19.0872002		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.488499999		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	6.78270006		
k_HwTqCor_Ch1SSOpClrFiltThd_HwNm_f32	6.78270006		
k_HwTqCor_Ch1SSOpSetFiltThd_HwNm_f32	8.43410015		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.62677133		
k_HwTqCor_Ch1TraSumOpClrFiltThd_HwNm_f32	13.1154003		
k_HwTqCor_Ch1TraSumOpSetFiltThd_HwNm_f32	6.39870024		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2062		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	2290		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1588		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	9959		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8106		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	10089		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1556		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	5312		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9484		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	8340		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	8474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3093		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	8350		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	890		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	1342		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9714		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	18035		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9203		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	13943		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	14978		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	6793		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1661		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2981		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	7365		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13492		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	7938		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11751		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	16027		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2694		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19795		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	16900		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	2.44160008		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	9.18809986		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.6267713	-1.62677133 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	17.918118	17.9181175 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.096264184	0.0962641761 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔



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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-9.12520027		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.53119993		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	16.8738003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	6.25		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.477999985		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	6.90749979		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	6.90749979		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	15.2553997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.00119114		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	9.93610001		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	17.6818008		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6524		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8554		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	8289		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	6762		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3064		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	926		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1685		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	5036		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	910		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9247		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9650		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	565		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6710		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	658		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	8216		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5077		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9734		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7349		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16395		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8248		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2984		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19541		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14116		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10839		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9370		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9384		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6747		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	19025		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	5566		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	4279		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	9665		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8838		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-0.157299995		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	7.53119993		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.84425	-3.84424996 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	3.483876	3.48387623 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.27402967	0.274029642 ± 0.0000001	✔

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

Test Step 2.30 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0.152199998			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-9.5248003			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.26480007			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	13.1148996			
k_HwTqCor_Ch1SSOPClrFiltHd_HwNm_f32	13.1148996			
k_HwTqCor_Ch1SSOPSetFiltHd_HwNm_f32	3.29060006			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.58657598			
k_HwTqCor_Ch1TraSumOPClrFiltHd_HwNm_f32	2.26160002			
k_HwTqCor_Ch1TraSumOPSetFiltHd_HwNm_f32	18.8637009			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	1722			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3978			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1571			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	2449			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	6555			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	6967			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	6286			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7313			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9709			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	3351			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7716			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2264			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	1014			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3752			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6635			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	8166			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1438			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7844			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12786			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	1878			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4942			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	8236			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	18145			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	17203			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16995			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	4676			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	5329			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	5162			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4730			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9177			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13207			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	5935			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18465			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	9917			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-3.73850012			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-9.5248003			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.8931501	2.89315009 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0.23450285	0.234502867 ± 0.00000009	✓	

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
HwTqCorrln_Ch1TraFiltKSV_M_str.K_Uls_f32	0.081054509	0.0810545161 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrn\_Per2

## Test Step 2.31 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.41059995		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.7765999		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.44999981		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.458000004		
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	15.4350004		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	15.4350004		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	1.87479997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.1256876		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	7.36000013		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	19.1618004		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6513		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	535		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	125		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	1681		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5459		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7189		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	143		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4978		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2072		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9610		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4085		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	1520		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	1738		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4990		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	1247		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5870		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3655		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	5441		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17133		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4254		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9065		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	9598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6639		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13443		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18644		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	18198		
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	3.07660007		
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	1.41059995		
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.833000006	0.833000004 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.7307348	-3.7307353 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.27363759	0.273637533 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.32 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	15.2250004			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.23939991			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	12.3745003			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	12.5853996			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	12.5853996			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	6.49020004			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.83921266			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.52760005			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	15.9231005			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10072			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	312			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1991			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	7157			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5245			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	751			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	6810			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2234			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8060			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	4120			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6751			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	6643			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3495			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1138			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9928			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	1407			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5708			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14565			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	10279			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8422			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	1827			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	15084			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9826			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	4714			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	9096			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5985			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18830			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	18223			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	6759			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	15376			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	18328			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2179			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3583			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8393			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	3.60419989			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.23939991			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.8176	-2.81760001 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.557556	-11.5575562 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.39006823	0.390068203 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.33 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.21150017			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.96450001			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.61859989			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.610338867			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	17.9902			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	17.9902			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.2278004			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.75470829			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	10.5739002			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	5.1097002			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[0]	10104			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[1]	8108			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[2]	1146			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[3]	1831			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[4]	3934			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[5]	5743			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[6]	1288			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[7]	7651			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[8]	4010			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[9]	2283			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[10]	3350			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[11]	2258			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[12]	9143			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[13]	4514			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[14]	38			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[15]	6500			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[16]	8150			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	4123			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	4580			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3177			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	19918			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16212			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	20178			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3111			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10623			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5847			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18968			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	16680			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	16948			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6185			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	16700			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	1779			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	2685			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19427			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-4.46029997			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-0.96450001			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.7479	-1.74790001 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.6675124	-2.66751242 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.39102554	0.391025543 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.34 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-10.5159998			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.23689985			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	13.4603996			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.14519978			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.610338867			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	4.64559984			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	4.64559984			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	8.20079994			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.25898933			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	14.9755001			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	13.8262997			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3915			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3290			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	8365			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	676			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5510			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7747			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9043			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9226			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8309			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	3561			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7400			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	8237			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5372			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	8241			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	5373			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	3462			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	514			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13047			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17108			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	16577			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	13524			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6128			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1851			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3370			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10073			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1819			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18495			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	19301			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	1130			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	13419			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	1316			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16432			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	10154			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19468			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-4.13380003			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	4.23689985			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.1853499	-4.18534994 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.1522198	-4.15221977 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.17483932	0.174839288 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓



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HwTqCorrln\_Per2

Test Step 2.35 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.551500022			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	19.1501007			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	13.7573004			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	13.7573004			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	13.9122			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.45114231			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	14.5867996			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	20			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3298			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1359			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9506			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	519			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7782			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5341			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2092			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	6281			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	6827			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	3953			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2853			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4678			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6159			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1788			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2646			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9952			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9867			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	3444			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7957			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3143			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4898			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	13110			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13934			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	12571			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14627			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19419			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	6701			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	15431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4528			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	2029			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	7505			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	13271			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	16332			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	2875			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	7.42579985			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.551500022			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.4511423	2.45114231 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-16.099989	-16.0999889 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.14946544	0.149465412 ± 0.0000009	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓



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HwTqCorrln\_Per2

Test Step 2.36 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		20		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		0.788500011		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		1.62339997		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-9.12520027		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32		20		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32		20		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32		0.324400008		
k_HwTqCor_Ch1TqSumLim_HwNm_f32		2.61993575		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32		17.9920998		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32		14.7711		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]		6891		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]		3396		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]		7916		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]		5071		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]		9113		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]		3243		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]		1887		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]		3387		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]		5001		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]		881		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]		7319		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]		4846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]		5886		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]		3093		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]		1007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]		3662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]		7420		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]		13025		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]		1070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]		250		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]		3362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]		10918		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]		14379		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]		286		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]		9956		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]		4144		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]		19221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]		8170		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]		3040		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]		3477		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]		9980		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]		2494		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]		11740		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]		7310		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value		7.31659985		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value		0.788500011		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc		0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.6199358	2.61993575 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.7544527	-5.75445223 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28699094	0.286990941 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

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HwTqCorrln\_Per2

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.37 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	18.5510006		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.277399987		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	7.01359987		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.15219998		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.0549999997		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.0986004		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	14.0986004		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	8.13570023		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.21214581		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	4.99599981		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	2.6645999		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	1643		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1778		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	10003		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	9028		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3296		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	9053		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	8022		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	108		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	225		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	6558		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3268		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	5268		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5485		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1571		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3226		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2400		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2864		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	20145		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	624		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3981		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	14313		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	10491		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1501		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13620		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	4469		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16120		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8241		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	13501		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	13287		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6990		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	2277		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19856		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	2813		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11416		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	2.37240005		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-0.277399987		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.3249	1.32490003 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.96026433	-0.960264325 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.077484012	0.0774840117 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.57710004		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.09980011		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.143999994		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.38390017		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	7.38390017		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	3.49600005		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.03271925		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	19.5123005		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	2.11470008		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	4341		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3555		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	10036		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4888		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	4478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7949		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7743		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	10167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5298		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6000		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	6964		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5933		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5211		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6828		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	8814		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2720		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	11419		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2193		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3853		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	16190		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	4122		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13052		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20179		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16456		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	12196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-2.57710004		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.0327193	1.03271925 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	3.523463	3.52346325 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.19191527	0.191915259 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔

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Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.39 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-11.151		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.49849999		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	14.0084		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.142000005		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.6014004		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	16.6014004		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.2201004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.24032295		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	0.817399979		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	13.3094997		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	1064		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9000		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	5322		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4574		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3747		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	9749		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2837		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1826		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9519		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	178		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	8256		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	5626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	1623		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6720		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	6149		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9852		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2404		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14799		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	3413		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19472		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	15950		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3854		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11559		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14061		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	1932		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2106		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13267		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9086		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	8190		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11834		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	3994		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	6949		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11361		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	3636		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	9.13029957		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.49849999		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.2403229	1.24032295 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	14.513342	14.513341 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.050888479	0.0508884825 ± 0.0000001	✔

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

Test Step 2.40 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-11.5615597			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.3355999			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	7.9685998			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	0			
k_HwTqCor_Ch1SSOPClrFiltHd_HwNm_f32	4.66680002			
k_HwTqCor_Ch1SSOPSetFiltHd_HwNm_f32	16.0699997			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.923197746			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.02690005			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	2.27729988			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6317			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4090			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1277			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	797			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	1857			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	684			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9987			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9304			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3099			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1575			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	1546			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	7053			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8123			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	8660			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	10142			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	533			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	239			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	520			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	10678			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9113			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4094			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	11817			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1602			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3618			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	137			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	3517			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	15954			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	12450			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15010			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7274			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	14442			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	13605			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	1440			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	9565			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-5.23579979			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.3355999			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.45009995	-0.450100005 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.9021845	5.90218401 ± 0.000009	✓	

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
HwTqCorrln_Ch1TraFiltKSV_M_str.K_Uls_f32	0.26661539	0.266615391 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓	

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HwTqCorrn\_Per2

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.51000023		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-8.83250046		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.09980011		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.487500012		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20		
k_HwTqCor_Ch1SSOpClrFitHd_HwNm_f32	2.50430012		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	18.1413994		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.11079788		
k_HwTqCor_Ch1TraSumOpClrFitHd_HwNm_f32	19.9612007		
k_HwTqCor_Ch1TraSumOpSetFitHd_HwNm_f32	3.15490007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6094		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	6392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9871		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	8551		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9541		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2290		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	8094		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	6472		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8719		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	4096		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3576		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	6914		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6644		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9098		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9228		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4042		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5255		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12646		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	12754		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5301		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11783		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6724		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16101		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1876		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8868		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17726		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15095		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9183		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20134		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3688		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7418		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	4.59740019		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-8.83250046		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.7149506	6.71495008 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.977652	-10.9776525 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.25854331	0.258543313 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓



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HwTqCorrn\_Per2

## Test Step 2.42 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.1099997		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.87930012		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	14.0084		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	12.54		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	11.3283005		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	17.0016003		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.13894224		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	15.658		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	11.8669004		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3326		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3102		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	119		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	9539		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	769		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	10231		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	3687		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1355		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5324		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2093		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9498		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2642		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	7637		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	2354		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	8705		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6972		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9375		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	18035		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9203		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	13943		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	14978		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	6793		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1661		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2981		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	7365		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13492		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	7938		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11751		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	16027		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2694		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19795		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	16900		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-4.87930012		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.1389422	6.13894224 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.8425044	-1.84250462 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.15063363	0.150633618 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	2	2	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCACTive	1	✓



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HwTqCorrln\_Per2

Test Step 2.43 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	1.16100001			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-20.1000004			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.14519978			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.452199996			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	9.90690041			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	18.5338993			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	14.3851004			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.93667555			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	20			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	18.6343994			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[0]	9590			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[1]	3197			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[2]	7260			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[3]	8268			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[4]	9135			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[5]	114			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[6]	4075			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[7]	2139			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[8]	7355			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[9]	3563			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[10]	1924			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[11]	4295			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[12]	7274			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[13]	2138			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[14]	2333			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[15]	9763			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[16]	6396			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7349			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16395			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8248			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2984			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19541			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17598			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14116			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10839			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9370			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9384			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6747			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	19025			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	5566			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	4279			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	9665			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8838			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-4.87739992			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	10			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.9366755	-1.93667555 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.3159761	-3.31597614 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.3754651	0.375465065 ± 0.0000009	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

# TEST DETAILS REPORT

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HwTqCorrln\_Per2

Test Step 2.44 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.156601			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-8.7208004			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	20.1000004			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.254999995			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	9.05790043			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	4.82159996			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.7792997			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.82340431			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	7.83050013			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	13.8088999			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	4482			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	2688			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	4289			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4663			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5197			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	378			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9302			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7842			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8059			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2089			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7469			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	741			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4189			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5124			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	10011			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9398			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1892			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7844			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12786			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	1878			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4942			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	8236			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	18145			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	17203			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16995			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	4676			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	5329			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	5162			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4730			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9177			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13207			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	5935			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18465			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	9917			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	1.21130002			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-8.7208004			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.9660501	4.96605015 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.555874	-14.5558739 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.19748896	0.197488949 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.45 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.8039			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	18.9673996			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.15219998			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	11.4703999			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	10.4324999			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.65050006			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.18639994			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	17.2919006			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9804			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7028			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	10186			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5501			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	3643			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2909			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7623			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9741			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5835			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7106			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2965			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5790			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	7218			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	4312			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	3345			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5309			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	5441			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17133			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4254			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9065			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	9598			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6639			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13443			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18644			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	18198			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-7.76620007			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.8039			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.02420128	-0.0242012795 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.72131425	-0.721314311 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38199133	0.381991297 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.46 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.8039			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.15219998			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	11.4703999			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	10.4324999			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.65050006			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.18639994			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	17.2919006			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9804			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7028			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	10186			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5501			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	3643			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2909			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7623			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9741			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5835			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7106			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2965			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5790			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	7218			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	4312			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	3345			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5309			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	5441			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17133			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4254			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9065			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	9598			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6639			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13443			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18644			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	18198			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-7.76620007			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.8039			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.02420128	-0.0242012795 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.72131425	-0.721314311 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38199133	0.381991297 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrIn\_Per2



Test Step 2.47 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.8039			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-12.25			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.15219998			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	11.4703999			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	10.4324999			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.65050006			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.18639994			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	17.2919006			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9804			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1200			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7028			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	10186			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	5501			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	3643			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2909			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7623			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9741			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5835			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7106			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2965			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	5790			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	7218			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	4312			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	3345			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5309			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	5441			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17133			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4254			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9065			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	9598			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6639			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13443			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18644			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	18198			
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-7.76620007			
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-1.8039			
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.02420128	-0.0242012795 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.72131425	-0.721314311 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38199133	0.381991297 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓

# TEST DETAILS REPORT

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HwTqCorrln\_Per2

Test Step 2.48 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.33509994			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.20459986			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	14.3156004			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	9.61530018			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	0			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.578034759			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	12.3243999			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	17.5107994			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	4483			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4871			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	478			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3610			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3463			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5099			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	3557			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7534			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2819			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5666			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4745			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	1384			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	1796			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1001			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	4702			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5569			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1019			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14565			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	10279			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8422			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	1827			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	15084			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9826			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	4714			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	9096			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5985			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18830			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	18223			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	6759			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	15376			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	18328			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2179			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3583			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8393			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-2.33509994			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.57803476	0.578034759 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	3.4163489	3.41634917 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.19752836	0.197528347 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrn\_Per2

Test Step 2.49 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.14519978			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.287800014			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.94649982			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.145500004			
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn			
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.4972			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	4.70849991			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	20			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.61658847			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	16.7311993			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	9.78779984			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	5648			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5372			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6740			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	5486			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7089			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5244			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1263			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7414			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	387			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5717			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4260			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4799			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8349			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3274			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	5831			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4298			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	557			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	4123			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	4580			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3177			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	19918			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16212			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	20178			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3111			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10623			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5847			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18968			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	16680			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	16948			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6185			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	16700			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	1779			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	2685			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19427			
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	4.19969988			
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	0.287800014			
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.6165885	1.61658847 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	11.929974	11.9299736 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.24213159	0.242131621 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓



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HwTqCorrln\_Per2

## Test Step 2.50 (Repeat Count = 1) ✓

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.3600006
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.73110008
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.89709997
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive(NTCAActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	4.59350014
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	3.44169998
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.8499999
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.60165584
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	2.73530006
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	0.343100011
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	8772
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	6990
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1389
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3396
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	6436
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	6576
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	10076
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4838
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	364
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	29
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2861
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	7821
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	278
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6449
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	8499
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5151
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9942
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13047
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17108
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	16577
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	13524
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6128
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1851
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3370
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10073
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1819
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18495
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	19301
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	1130
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	13419
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	1316
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16432
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	10154
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19468
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.67020035
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-6.73110008
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive_NTCAActive_Ptr_T_lgc	1
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.4695501	-1.46955001 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.8243179	4.82431793 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.34987754	0.349877536 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCAActive	1	✓



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HwTqCorrln\_Per2

Test Step 2.51 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-9.12520027			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.0364000015			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	4.95410013			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	1.39090002			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.7649002			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.38398504			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	8.98700047			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	0			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[0]	6885			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[1]	3287			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[2]	6235			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[3]	4695			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[4]	8070			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[5]	7280			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[6]	9309			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[7]	9092			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[8]	5660			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[9]	9395			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[10]	927			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[11]	782			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[12]	6845			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[13]	3027			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[14]	2124			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[15]	5411			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[16]	9509			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	3444			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7957			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3143			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4898			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	13110			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13934			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	12571			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14627			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19419			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	6701			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	15431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4528			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	2029			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	7505			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	13271			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	16332			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	2875			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	2.0789001			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-0.0364000015			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.0576501	1.05764997 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.926252	-11.9262533 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28678095	0.286780924 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.52 (Repeat Count = 1)				✓
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		1.52199996		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-4.59740019		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		15.7438002		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32		9.90690041		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32		18.5342999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32		6.9382		
k_HwTqCor_Ch1TqSumLim_HwNm_f32		6.03990126		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32		1.62769997		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32		20		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]		10043		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]		8167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]		1302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]		3911		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]		9116		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]		662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]		4068		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]		7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]		7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]		7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]		2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]		4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]		8626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]		6425		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]		3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]		6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]		1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]		13025		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]		1070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]		250		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]		3362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]		10918		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]		14379		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]		286		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]		9956		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]		4144		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]		19221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]		8170		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]		3040		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]		3477		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]		9980		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]		2494		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]		11740		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]		7310		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value		-7.89890003		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value		-4.59740019		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.6507499	-1.65075004 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.6324592	-2.6324594 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓	

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HwTqCorrln\_Per2

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.53 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.20379996		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.42959976		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.365999997		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.05790043		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	16.8188		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	16.6541004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	4.79639101		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	3.95549989		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	2.8499999		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4923		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	7114		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3241		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5661		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2304		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2970		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9391		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2805		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4831		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4645		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6526		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2665		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4592		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	20145		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	624		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3981		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	14313		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	10491		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1501		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13620		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	4469		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16120		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8241		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	13501		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	13287		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6990		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	2277		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19856		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	2813		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11416		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-7.83650017		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.20379996		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.796391	-4.79639101 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.4636929	-3.4636929 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.13370651	0.133706495 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.54 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	15.2250004		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.38349998		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.395099998		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.15219998		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4703999		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	0		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	16.2367001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.03677773		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	12.9104004		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	7.29580021		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	11419		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2193		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3853		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	16190		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	4122		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13052		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20179		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16456		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	12196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	6.77659988		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	1.38349998		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.6965499	2.69654989 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0.25253773	0.25253773 ± 0.00000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36498547	0.364985466 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.55 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.1469994		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.7177		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	11.8676996		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.151999995		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	13.8241997		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	13.9858999		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.176936567		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	5.16800022		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	18.7124004		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6885		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3287		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6235		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4695		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8070		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	7280		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9309		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9092		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5660		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9395		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	927		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	782		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6845		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3027		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2124		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5411		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9509		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14799		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	3413		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19472		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	15950		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3854		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11559		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14061		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	1932		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2106		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13267		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9086		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	8190		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11834		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	3994		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	6949		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11361		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	3636		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-4.02589989		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-6.7177		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.17693657	0.176936567 ± 0.00000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	2.9856381	2.98563862 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28678095	0.286780924 ± 0.0000001	✓

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

Test Step 2.56 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.70940018			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.03079987			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.145199999			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	13.4265003			
k_HwTqCor_Ch1SSOPClrFiltHd_HwNm_f32	11.8431997			
k_HwTqCor_Ch1SSOPSetFiltHd_HwNm_f32	14.1847			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0455783382			
k_HwTqCor_Ch1TraSumOPClrFiltHd_HwNm_f32	1.21599996			
k_HwTqCor_Ch1TraSumOPSetFiltHd_HwNm_f32	15.1051998			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	11419			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2193			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3853			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	16190			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	4122			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13052			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17227			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20179			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16456			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	12196			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.04139996			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.70940018			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.045578338	-0.0455783382 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.2817001	9.28170109 ± 0.000009	✓	

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HwTqCorrln\_Per2

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

Test Step 2.57 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	0			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.14519978			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.74449992			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.7357998			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	14.3156004			
k_HwTqCor_Ch1SSOPClrFiltHd_HwNm_f32	14.3016005			
k_HwTqCor_Ch1SSOPSetFiltHd_HwNm_f32	0.436300009			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.974566817			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	0			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	0.93690002			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2924			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4923			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	788			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	7114			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3241			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5661			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2304			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2970			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9391			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	2805			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	7478			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4831			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4645			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6526			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2665			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4616			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4592			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14799			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	3413			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	19472			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	15950			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3854			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11559			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14061			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	1932			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2106			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13267			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9086			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	8190			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11834			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	3994			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	6949			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11361			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	3636			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-3.7888			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.74449992			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.97456682	-0.974566817 ± 0.00000009	✓	



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HwTqCorrIn\_Per2

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	6.983263	6.98326302 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.13370651	0.133706495 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓	



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HwTqCorrn\_Per2

Test Step 2.58 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.3600006			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.627799988			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	13.2249002			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0			
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	16.4972			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	20			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.5747004			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.84961867			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	20			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	1.59949994			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9392			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1456			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4353			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8533			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	636			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1846			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	1893			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	2799			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1392			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6217			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2474			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8864			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4529			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	7603			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4585			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	561			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	520			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	10678			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9113			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4094			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	11817			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	1602			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	3618			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	137			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	3517			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	15954			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	12450			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15010			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7274			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	14442			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	13605			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	1440			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	9565			
target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32.value	-1.97780001			
target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32.value	0.627799988			
target_Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrn_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.3027999	-1.30280006 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.358665	-11.3586664 ± 0.00009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36532825	0.365328252 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrn_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.59 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-9.12520027			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.80009997			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.3834			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.174999997			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	4.59350014			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	10.5586004			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	4.16720009			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.3728404			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	1.24600005			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	13.5761995			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[0]	2696			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[1]	2720			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[2]	9289			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[3]	6766			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[4]	2842			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[5]	9717			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[6]	5952			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[7]	6983			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[8]	5922			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[9]	7641			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[10]	2397			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[11]	7537			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[12]	232			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[13]	824			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[14]	6533			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[15]	8131			
t_HwTqCor_Ch1TraLPFDexAxis_Hz_u7p9[16]	9522			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10196			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12646			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	12754			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5301			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6431			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11783			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6724			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16101			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1876			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8868			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17726			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15095			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9183			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20134			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19070			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3688			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7418			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-3.6796			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.80009997			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.93975002	-0.939750016 ± 0.00000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.9706376	-2.9706378 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12395656	0.123956554 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

## Test Step 2.60 (Repeat Count = 1) ✓

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.15219998		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-7.74510002		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.219500005		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	7.0374999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	15.3038998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.56949234		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	17.8479996		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	18.4400005		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9937		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1591		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7844		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3680		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	296		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2791		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9383		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4035		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3196		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	8471		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9545		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	9906		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8517		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5136		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	5176		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	7366		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1115		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	18035		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9203		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	13943		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	14978		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	6793		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1661		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2981		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	7365		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	13492		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	7938		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11751		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	16027		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2694		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19795		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	16900		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	9.92000008		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-7.74510002		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.5694923	2.56949234 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	6.0336123	6.03361225 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38601291	0.386012882 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.61 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1Avl_Cnt_M_lgc	1			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.11499977			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.46390009			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	12.3852997			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999			
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.523000002			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	16.4972			
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	13.7902002			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	3.33859992			
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.19561887			
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	8.54300022			
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	11.4043999			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2804			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	9742			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6384			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	491			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	6481			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	8822			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	5396			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2374			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5148			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7427			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2345			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	106			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	10143			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9569			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	731			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9212			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2413			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7349			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16395			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8248			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2984			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19541			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17598			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14116			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10839			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9370			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9384			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6747			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	19025			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	5566			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	4279			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	9665			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8838			
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10			
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	6.46390009			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.1956189	1.19561887 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.6853154	-2.68531561 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12858856	0.128588557 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

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HwTqCorrln\_Per2

Test Step 2.62 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc		1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		15.2250004		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		5.82749987		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		11.7185001		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-4.14519978		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		0.254999995		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32		4.59350014		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32		7.6473999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32		11.7185001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32		6.79716301		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32		7.42959976		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32		9.02830029		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]		3634		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]		3357		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]		7614		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]		4534		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]		4423		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]		1552		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]		2820		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]		9338		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]		12		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]		6479		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]		4848		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]		3567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]		6930		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]		6308		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]		9233		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]		5883		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]		10150		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]		7844		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]		12786		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]		1878		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]		4942		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]		8236		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]		18145		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]		17203		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]		16995		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]		4676		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]		5329		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]		5162		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]		4730		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]		9177		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]		13207		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]		5935		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]		18465		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]		9917		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value		-4.1560998		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value		5.82749987		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32		target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.9917998	-4.99179983 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.2835159	-4.28351641 ± 0.000009	✓	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.16337854	0.163378537 ± 0.0000001	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓	

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HwTqCorrln\_Per2

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

## Test Step 2.63 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.21150017		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.51799989		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	7.37989998		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.358799994		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977		
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	10.6080999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	7.37989998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.31948328		
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	16.2206993		
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	20		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	5609		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	6812		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9859		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	8336		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	2383		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5170		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9758		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	3051		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8056		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	249		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4841		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	5201		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	9636		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	8976		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	10094		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9731		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2917		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	5441		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	17133		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4254		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9065		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	9598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	6639		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13443		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18644		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	18198		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-6.63070011		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	2.51799989		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	1		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.3194833	-3.31948328 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-15.499378	-15.4993782 ± 0.00009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.24067938	0.240679368 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔

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HwTqCorrIn\_Per2

Name	Actual Value	Expected Value	Result
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive	1	✓

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment)  CPU Cycles:  TS3.1 2111.00 Cycles TS3.2 1687.00 Cycles
<b>Description</b>	Vector Description:  TS3.1(Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFiltThd_HwNm_f32) =True   (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFiltThd_HwNm_f32)=Zero TS3.2(Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFiltThd_HwNm_f32)=False    (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFiltThd_HwNm_f32)=False

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-13.3660002
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.00510000018
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	1.64189994
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.449999988
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOPLim_HwNm_f32	17.3047009
k_HwTqCor_Ch1SSOpClrFiltThd_HwNm_f32	17.3047009
k_HwTqCor_Ch1SSOpSetFiltThd_HwNm_f32	9.05790043
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.1342001
k_HwTqCor_Ch1TraSumOpClrFiltThd_HwNm_f32	10.9485998
k_HwTqCor_Ch1TraSumOpSetFiltThd_HwNm_f32	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	7132
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5664
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	4831
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	2876
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8366
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5471
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	7299
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	5766
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8423
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	10201
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3694
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2515
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3810
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4018
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9284
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2472
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3699
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16731
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569



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Name	Input Value		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	4945		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7398		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.70559978		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc	0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.1342001	-3.1342001 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.9737585	1.97375882 ± 0.000009	✔
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.29537624	0.295376211 ± 0.0000001	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✔
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-13.3660002
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.00510000018
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	1.64189994
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.449999988
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.3047009
k_HwTqCor_Ch1SSOpClrFiltHd_HwNm_f32	17.3047009
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	9.05790043
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.1342001
k_HwTqCor_Ch1TraSumOpClrFiltHd_HwNm_f32	10.9485998
k_HwTqCor_Ch1TraSumOpSetFiltHd_HwNm_f32	16.4972
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	7132
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5664
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	4831
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	2876
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8366
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5471
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	7299
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	5766
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8423
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	10201
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3694
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2515
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3810
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4018
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9284
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2472
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3699
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16731
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619



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Name	Input Value		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	4945		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7398		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-9.70559978		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive NTCActive Ptr T Ic	0		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.1342001	-3.1342001 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.9737585	1.97375882 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.29537624	0.295376211 ± 0.0000001	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	✓
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	✓	

# TEST DETAILS REPORT

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CorrInSigAvlChk



Project	HwTqCorrIn_2
Module	HwTqCorrIn
Test Object	CorrInSigAvlChk

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\src\Sa_HwTqCorrIn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

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

# TEST DETAILS REPORT

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CorrinSigAvlChk



Module 'HwTqCorrln'

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

Name of Tester: Priyanka Shitole  
Code File(s) Under Test:Sa\_HwTqCorrln.c  
Code File(s) Version: 2  
Module Design Document:HwTqCorrln\_MDD.doc  
Module Design Document Version:1  
Data Dictionary Version: 2  
Unit Test Plan Version:2  
Optimization Level:Level 2  
Compiler (CodeGen) Version: TMS470\_4.9.5  
Model Type: Excel Macro  
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32  
Total FLASH Used (Bytes): 1330  
Total RAM Used (Bytes): 44  
Total CALS Used (Bytes): 116  
Special Test Requirements:NA  
Test Date:11/30/2016  
Comments:  
"Note1: Inline function defined in GlobalMacro.h are not Unit Tested.  
  
Note2:""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.  
  
Note3: Variable 'HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32' is going out of range as [-20.1 to 20.1] over the DD range [0, 20]. Hence as per confirmation range considered as [-20.1 to 20.1] and same needs to be updated in the DD.  
  
Note4:As Tolerance is not Given for Variable ""HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32"" . so six significant Tolerance is used in Tessy.  
  
\*\*\*\*\*

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	8
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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CorrinSigAvlChk



## Test Case 1: Range Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 136.00 Cycles  
TS1.2 95.00 Cycles  
TS1.3 110.00 Cycles  
TS1.4 110.00 Cycles  
TS1.5 110.00 Cycles  
TS1.6 110.00 Cycles  
TS1.7 110.00 Cycles  
TS1.8 110.00 Cycles  
TS1.9 110.00 Cycles  
TS1.10 110.00 Cycles  
TS1.11 110.00 Cycles  
TS1.12 110.00 Cycles  
TS1.13 127.00 Cycles  
TS1.14 110.00 Cycles  
TS1.15 110.00 Cycles  
TS1.16 110.00 Cycles  
TS1.17 110.00 Cycles  
TS1.18 110.00 Cycles  
TS1.19 119.00 Cycles  
TS1.20 110.00 Cycles

**Description** Vector Description:

TS1.1All Min  
TS1.2All Max  
TS1.3SigRollg\_Cnt\_T\_u08==>Min  
TS1.4SigRollg\_Cnt\_T\_u08==>Max  
TS1.5SigRollg\_Cnt\_T\_u08==>Pos  
TS1.6SigQlfr\_Cnt\_T\_enum==>SIGQLFR\_NOES  
TS1.7SigQlfr\_Cnt\_T\_enum==>SIGQLFR\_PASS  
TS1.8SigQlfr\_Cnt\_T\_enum==>SIGQLFR\_FAIL  
TS1.9LstRollg\_Cnt\_T\_u08==>Min  
TS1.10LstRollg\_Cnt\_T\_u08==>Max  
TS1.11LstRollg\_Cnt\_T\_u08==>Pos  
TS1.12LstStall\_Cnt\_T\_u08==>Min  
TS1.13LstStall\_Cnt\_T\_u08==>Max  
TS1.14LstStall\_Cnt\_T\_u08==>Pos  
TS1.15MaxStall\_Cnt\_T\_u08==>Min  
TS1.16MaxStall\_Cnt\_T\_u08==>Max  
TS1.17MaxStall\_Cnt\_T\_u08==>Pos  
TS1.18StallCntOutp\_Cnt\_T\_u08==>Min  
TS1.19StallCntOutp\_Cnt\_T\_u08==>Max  
TS1.20StallCntOutp\_Cnt\_T\_u08==>Pos

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	0		
LstStall_Cnt_T_u08	0		
MaxStall_Cnt_T_u08	0		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	0		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	0		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✓
target_StallCntOutp_Cnt_T_u08	1	1	✓

## Test Step Call Trace

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

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	255		
LstStall_Cnt_T_u08	255		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	2		
SigRollg_Cnt_T_u08	255		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	255		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✓
target_StallCntOutp_Cnt_T_u08	255	255	✓

# TEST DETAILS REPORT

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CorrinSigAvlChk



## Test Step Call Trace

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

## Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	244		
LstStall_Cnt_T_u08	65		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	0		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	255		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace

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

## Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	135		
LstStall_Cnt_T_u08	42		
MaxStall_Cnt_T_u08	152		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	255		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	25		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace

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

## Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	253		
LstStall_Cnt_T_u08	199		
MaxStall_Cnt_T_u08	244		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	9		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	18		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace

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

## Test Step 1.6 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	12
LstStall_Cnt_T_u08	24
MaxStall_Cnt_T_u08	135

# TEST DETAILS REPORT




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CorrinSigAvlChk



Name	Input Value		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	175		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	42		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.7 (Repeat Count = 1)				
Name		Input Value		
LstRollg_Cnt_T_u08		35		
LstStall_Cnt_T_u08		12		
MaxStall_Cnt_T_u08		253		
SigQlfr_Cnt_T_enum		1		
SigRollg_Cnt_T_u08		164		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		199		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		1	1	
target_StallCntOutp_Cnt_T_u08		0	0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.8 (Repeat Count = 1)				✓
Name		Input Value		
LstRollg_Cnt_T_u08		9		
LstStall_Cnt_T_u08		25		
MaxStall_Cnt_T_u08		12		
SigQlfr_Cnt_T_enum		2		
SigRollg_Cnt_T_u08		12		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		24		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		0	0	✓
target_StallCntOutp_Cnt_T_u08		0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.9 (Repeat Count = 1)				✓
Name		Input Value		
LstRollg_Cnt_T_u08		0		
LstStall_Cnt_T_u08		125		
MaxStall_Cnt_T_u08		35		
SigQlfr_Cnt_T_enum		1		
SigRollg_Cnt_T_u08		32		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		12		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		1	1	✓
target_StallCntOutp_Cnt_T_u08		0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CorrinSigAvlChk



Test Step 1.10 (Repeat Count = 1) ✓				
Name		Input Value		
LstRollg_Cnt_T_u08		255		
LstStall_Cnt_T_u08		36		
MaxStall_Cnt_T_u08		36		
SigQlfr_Cnt_T_enum		0		
SigRollg_Cnt_T_u08		25		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		24		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		1	1	✓
target_StallCntOutp_Cnt_T_u08		0	0	✓

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.11 (Repeat Count = 1) ✓				
Name		Input Value		
LstRollg_Cnt_T_u08		12		
LstStall_Cnt_T_u08		142		
MaxStall_Cnt_T_u08		142		
SigQlfr_Cnt_T_enum		1		
SigRollg_Cnt_T_u08		65		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		12		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		1	1	✓
target_StallCntOutp_Cnt_T_u08		0	0	✓

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.12 (Repeat Count = 1) ✓				
Name		Input Value		
LstRollg_Cnt_T_u08		32		
LstStall_Cnt_T_u08		0		
MaxStall_Cnt_T_u08		25		
SigQlfr_Cnt_T_enum		0		
SigRollg_Cnt_T_u08		244		
StallCntOutp_Cnt_T_u08		target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08		25		
Name		Actual Value	Expected Value	Result
CorrinSigAvlChk()		1	1	✓
target_StallCntOutp_Cnt_T_u08		0	0	✓

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



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## Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	25		
LstStall_Cnt_T_u08	255		
MaxStall_Cnt_T_u08	0		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	135		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	125		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✔
target_StallCntOutp_Cnt_T_u08	0	0	✔

## Test Step Call Trace

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

## Test Step 1.14 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	65		
LstStall_Cnt_T_u08	125		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	253		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	36		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace

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

## Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	42		
LstStall_Cnt_T_u08	152		
MaxStall_Cnt_T_u08	0		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	12		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	142		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace

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

## Test Step 1.16 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	199		
LstStall_Cnt_T_u08	244		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	2		
SigRollg_Cnt_T_u08	35		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	25		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✔

# TEST DETAILS REPORT

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Name	Actual Value	Expected Value	Result
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace ✓

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

## Test Step 1.17 (Repeat Count = 1) ✓

Name	Input Value		
LstRollg_Cnt_T_u08	24		
LstStall_Cnt_T_u08	135		
MaxStall_Cnt_T_u08	42		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	36		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	253		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	0	0	✓

## Test Step Call Trace ✓

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

## Test Step 1.18 (Repeat Count = 1) ✓

Name	Input Value		
LstRollg_Cnt_T_u08	12		
LstStall_Cnt_T_u08	253		
MaxStall_Cnt_T_u08	199		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	142		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	0		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✔
target_StallCntOutp_Cnt_T_u08	0	0	✔

## Test Step Call Trace ✓

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

## Test Step 1.19 (Repeat Count = 1) ✓

Name	Input Value
LstRollg_Cnt_T_u08	25
LstStall_Cnt_T_u08	12
MaxStall_Cnt_T_u08	24
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	25
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	255

Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	13	13	✓

## Test Step Call Trace ✓

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

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CorrinSigAvlChk



## Test Step 1.20 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	125		
LstStall_Cnt_T_u08	35		
MaxStall_Cnt_T_u08	12		
SigQlfr_Cnt_T_enum	2		
SigRollg_Cnt_T_u08	244		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	36		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✔
target_StallCntOutp_Cnt_T_u08	0	0	✔

## Test Step Call Trace

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

## Test Case 2: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment)  CPU Cycles:  TS1.1 95.00 Cycles TS1.2 127.00 Cycles
<b>Description</b>	Vector Description:  TS2.1"Shortest Execution Path: (SigRollg_Cnt_T_u08 == LstRollg_Cnt_T_u08)==>F, (*StallCntOutp_Cnt_T_u08 >= MaxStall_Cnt_T_u08)==>T" TS2.2"Longest Execution Path: (SigRollg_Cnt_T_u08 == LstRollg_Cnt_T_u08)==>T, (LstStall_Cnt_T_u08 == D_HWTQNSTALLCNTRMAX_CNT_U08)==>F, (*StallCntOutp_Cnt_T_u08 >= MaxStall_Cnt_T_u08)==>F, (SigQlfr_Cnt_T_enum < SIGQLFR_FAIL) ==>T"

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	42		
LstStall_Cnt_T_u08	152		
MaxStall_Cnt_T_u08	0		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	12		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	142		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	0	0	✔
target_StallCntOutp_Cnt_T_u08	0	0	✔

## Test Step Call Trace

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

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
LstRollg_Cnt_T_u08	25		
LstStall_Cnt_T_u08	12		
MaxStall_Cnt_T_u08	24		
SigQlfr_Cnt_T_enum	1		
SigRollg_Cnt_T_u08	25		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	255		
Name	Actual Value	Expected Value	Result
CorrinSigAvlChk()	1	1	✓
target_StallCntOutp_Cnt_T_u08	13	13	✓

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CorrInSigAvlChk



## Test Step Call Trace

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

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HwTqCorrn\_Init1



Project	HwTqCorrn_2
Module	HwTqCorrn
Test Object	HwTqCorrn_Init1

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqCorrn_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrn_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\HwTqCorrn_2TqADAS\src\Sa_HwTqCorrn.c
Compiler Options	-D_DATA_ACCESS=-D_STATIC=-Dconst=-I\$(PROJECTROOT)\HwTqCorrn_2TqADAS\utpl\contract\Sa_HwTqCorrn -I\$(PROJECTROOT)\HwTqCorrn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-D_STATIC=-Dconst=-I\$(PROJECTROOT)\HwTqCorrn_2TqADAS\utpl\contract\Sa_HwTqCorrn -I\$(PROJECTROOT)\HwTqCorrn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'HwTqCorrn'	*****Unit Test Information***** Name of Tester: Priyanka Shitole Code File(s) Under Test:Sa_HwTqCorrn.c Code File(s) Version: 2 Module Design Document:HwTqCorrn_MDD.doc Module Design Document Version:1 Data Dictionary Version: 2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes): 1330 Total RAM Used (Bytes): 44 Total CALS Used (Bytes): 116 Special Test Requirements:NA Test Date:11/30/2016 Comments: "Note1: Inline function defined in GlobalMacro.h are not Unit Tested.  Note2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.  Note3: Variable 'HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32' is going out of range as [-20.1 to 20.1] over the DD range [0, 20]. Hence as per confirmation range considered as [-20.1 to 20.1] and same needs to be updated in the DD.  Note4:As Tolerance is not Given for Variable ""HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32"". so six significant Tolerance is used in TESSy.  *****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	8
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src

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Attributes	
Name	Value
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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HwTqCorrIn\_Init1



## Test Case 1: Range Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 1017.00 Cycles  
TS1.2 979.00 Cycles  
TS1.3 979.00 Cycles  
TS1.4 979.00 Cycles  
TS1.5 979.00 Cycles  
TS1.6 979.00 Cycles  
TS1.7 979.00 Cycles  
TS1.8 979.00 Cycles  
TS1.9 979.00 Cycles  
TS1.10 979.00 Cycles  
TS1.11 979.00 Cycles  
TS1.12 979.00 Cycles  
TS1.13 979.00 Cycles  
TS1.14 979.00 Cycles  
TS1.15 979.00 Cycles  
TS1.16 979.00 Cycles  
TS1.17 979.00 Cycles  
TS1.18 979.00 Cycles  
TS1.19 979.00 Cycles  
TS1.20 979.00 Cycles  
TS1.21 979.00 Cycles  
TS1.22 979.00 Cycles  
TS1.23 979.00 Cycles  
TS1.24 979.00 Cycles  
TS1.25 979.00 Cycles  
TS1.26 979.00 Cycles  
TS1.27 979.00 Cycles  
TS1.28 979.00 Cycles  
TS1.29 979.00 Cycles

**Description** Vector Description:

TS1.1All Min  
TS1.2All Max  
TS1.3Rte\_Pim\_HwTqCorrInCh1CMCLPFsvData==>Min  
TS1.4Rte\_Pim\_HwTqCorrInCh1CMCLPFsvData==>Max  
TS1.5Rte\_Pim\_HwTqCorrInCh1CMCLPFsvData==>Pos  
TS1.6Rte\_Pim\_HwTqCorrInCh1CMCLPFsvData==>Zero  
TS1.7Rte\_Pim\_HwTqCorrInCh1CMCLPFsvData==>Neg  
TS1.8k\_HwTqCor\_Ch1CMCLPFFc\_Hz\_f32==>Min  
TS1.9k\_HwTqCor\_Ch1CMCLPFFc\_Hz\_f32==>Max  
TS1.10k\_HwTqCor\_Ch1CMCLPFFc\_Hz\_f32==>Pos/Default  
TS1.11k\_HwTqCor\_Ch1SSLPFFc\_Hz\_f32==>Min  
TS1.12k\_HwTqCor\_Ch1SSLPFFc\_Hz\_f32==>Max  
TS1.13k\_HwTqCor\_Ch1SSLPFFc\_Hz\_f32==>Pos/Default  
TS1.14HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Min  
TS1.15HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Max  
TS1.16HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Pos  
TS1.17HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Zero  
TS1.18HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Neg  
TS1.19HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Min  
TS1.20HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Max  
TS1.21HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Pos  
TS1.22HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Min  
TS1.23HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Max  
TS1.24HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Pos  
TS1.25HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Zero  
TS1.26HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Neg  
TS1.27HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Min  
TS1.28HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Max  
TS1.29HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Pos

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	0		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-20		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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



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## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	37.5		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	37.5		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	20		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.00009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.45600009		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.0359999985		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-3.54999995		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.150000006		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	2.54999995		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.934		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-20		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.79854965	0.798549652 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	3.24000001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.985000014		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.849699974		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	6.2249999		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	20		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.00009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.97998518	0.979985178 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

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## Test Step Call Trace

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

## Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.270999998		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.22000027		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.583100021		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	28.9060001		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	9.46730042		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	5.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.25	5.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99739021	0.997390211 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.6 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.880200028		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9.22200012		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.913550019		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	2.56100011		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	25.6292992		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	0		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.79993719	0.799937189 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999988	0.999999881 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.47299999		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-7.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.776000023		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	15.1939001		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	17.1921005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.25	-4.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99992853	0.999928534 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99997962	0.999979615 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.8 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	6.35400009			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.345999986			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.25			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.219999999			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	0			
k_HwTqCor_Ch1SSLPFFc_Hz_f32	6.28398991			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	2.45600009			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.4560001	2.45600009 ± 0.000009	✓	
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.98071349	0.980713427 ± 0.0000001	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.9 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.25			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.879000008			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.22000027			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.774100006			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	37.5			
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.1197996			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.24000001			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	3.24	3.24000001 ± 0.000009	✓	
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	✓	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 1.10 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.312999994		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-1.5		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.0816999972		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	0.0198943708		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	28.9060001		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	5.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.25	5.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.012422204	0.0124222012 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.11 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-7.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.345999986		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-1.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.980000019		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.1197996		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25	4.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.12 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	6.35400009		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.0390999988		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.934		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	37.5		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.54999995		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.55	-3.54999995 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

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Test Step 1.13 (Repeat Count = 1)				✓
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.22000027			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-8.25			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.473100007			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	20.7700005			
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0.0198943708			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25	4.25 ± 0.000009		✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001		✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.012422204	0.0124222012 ± 0.0000001		✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 1.14 (Repeat Count = 1)				✓
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.587000012			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.25			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.00680000009			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	9.46730042			
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.1197996			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	8.25			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25	8.25 ± 0.000009		✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99739021	0.997390211 ± 0.0000001		✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001		✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 1.15 (Repeat Count = 1)				✓
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.00680000009			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	3.24000001			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.480800003			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	25.6292992			
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.934			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-1.25			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.25	-1.25 ± 0.000009		✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99999988	0.999999881 ± 0.0000001		✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001		✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009		✓

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## Test Step Call Trace

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

## Test Step 1.16 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.480800003		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	5.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.345099986		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	17.1921005		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.35400009		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	6.3540001	6.35400009 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99997962	0.999979615 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.17 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.473100007		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.208000004		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	6.28398991		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	9.46730042		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.25	-8.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.98071349	0.980713427 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99739021	0.997390211 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.18 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-7.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.345999986		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-1.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.980000019		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.1197996		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	25.6292992		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25	4.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

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Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999988	0.999999881 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.19 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	6.35400009		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.0390999988		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.934		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	17.1921005		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-3.54999995		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.55	-3.54999995 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99997962	0.999979615 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.20 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.22000027		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-8.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.473100007		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	20.7700005		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	6.28398991		
target_Pim_HwTqCorrInCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25	4.25 ± 0.000009	✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.98071349	0.980713427 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



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## Test Step 1.21 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.5		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.458000004		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.346199989		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	8.34000015		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.1197996		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	8.22000027		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.2200003	8.22000027 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99470067	0.99470067 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.22 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.219999999		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.879400015		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	7.83990002		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.934		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	9.22200012		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.2220001	9.22200012 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99274421	0.992744207 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.23 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.774119973		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.313600004		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	23.0503998		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-7.25	-7.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99999946	0.999999464 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

# TEST DETAILS REPORT

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HwTqCorrln\_Init1



Test Step 1.24 (Repeat Count = 1)				✓
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-1.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.0816999972		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		11.6300001		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.587000012		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32		25.2800007		
k_HwTqCor_Ch1SSLPFFc_Hz_f32		8.34000015		
target_Pim_HwTqCorrlnCh1CMCLPFSvData		4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData		target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		4.25	4.25 ± 0.000009	✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.99999988	0.999999881 ± 0.0000001	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.99470067	0.99470067 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

Test Step 1.25 (Repeat Count = 1)				✓
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		6.35400009		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.00688999984		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		0		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.643100023		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32		36.7350006		
k_HwTqCor_Ch1SSLPFFc_Hz_f32		2.54999995		
target_Pim_HwTqCorrlnCh1CMCLPFSvData		8.22000027		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData		target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		8.2200003	8.22000027 ± 0.000009	✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		1	1 ± 0.0000001	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.79854965	0.798549652 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

Test Step 1.26 (Repeat Count = 1)				✓
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-8.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.479999989		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-9.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.345999986		
Rte_Inst_Sa_HwTqCorrln		target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32		11.5799999		
k_HwTqCor_Ch1SSLPFFc_Hz_f32		11.934		
target_Pim_HwTqCorrlnCh1CMCLPFSvData		-1.5		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData		target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-1.5	-1.5 ± 0.000009	✓
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.99930799	0.99930799 ± 0.0000001	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.99944597	0.999445975 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000009	✓

# TEST DETAILS REPORT

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HwTqCorrln\_Init1



## Test Step Call Trace

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

## Test Step 1.27 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.587000012		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	9.46730042		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.1197996		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	8.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25	8.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99739021	0.997390211 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.28 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.00680000009		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	3.24000001		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	25.6292992		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	11.934		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-1.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.25	-1.25 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99999988	0.999999881 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✔
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

## Test Step Call Trace

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

## Test Step 1.29 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.480800003		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	5.25		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.345099986		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	17.1921005		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.35400009		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	6.3540001	6.35400009 ± 0.000009	✔
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99997962	0.999979615 ± 0.0000001	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✔

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HwTqCorrn\_Init1

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

# TEST DETAILS REPORT

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HwTqCorrIn\_Per3



Project	HwTqCorrIn_2
Module	HwTqCorrIn
Test Object	HwTqCorrIn_Per3

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrIn_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\src\Sa_HwTqCorrIn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract\Sa_HwTqCorrIn -I\$(PROJECTROOT)\HwTqCorrIn_2TqADAS\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

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

# TEST DETAILS REPORT

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HwTqCorrln\_Per3



Module 'HwTqCorrln'

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

Name of Tester: Priyanka Shitole  
Code File(s) Under Test:Sa\_HwTqCorrln.c  
Code File(s) Version: 2  
Module Design Document:HwTqCorrln\_MDD.doc  
Module Design Document Version:1  
Data Dictionary Version: 2  
Unit Test Plan Version:2  
Optimization Level:Level 2  
Compiler (CodeGen) Version: TMS470\_4.9.5  
Model Type: Excel Macro  
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32  
Total FLASH Used (Bytes): 1330  
Total RAM Used (Bytes): 44  
Total CALS Used (Bytes): 116  
Special Test Requirements:NA  
Test Date:11/30/2016  
Comments:  
"Note1: Inline function defined in GlobalMacro.h are not Unit Tested.  
  
Note2:""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.  
  
Note3: Variable 'HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32' is going out of range as [-20.1 to 20.1] over the DD range [0, 20]. Hence as per confirmation range considered as [-20.1 to 20.1] and same needs to be updated in the DD.  
  
Note4:As Tolerance is not Given for Variable ""HwTqCor\_Ch1SSDiagFiltOut\_HwNm\_M\_f32"" . so six significant Tolerance is used in Tessy.  
  
\*\*\*\*\*

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	8
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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HwTqCorrIn\_Per3



## Test Case 1: Metrics Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 1024.00 Cycles  
TS1.2 2410.00 Cycles

**Description** Vector Description:

TS1.1"Shortest Execution Path:  
HwTqCor\_Ch1SSLimDiagFiltOut\_HwNm\_T\_f32 = Limit\_m(Ch1SSDiagFiltOut\_HwNm\_T\_f32, -(k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32 + D\_SSLPFDELTALIM\_HWNM\_F32), (k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32 + D\_SSLPFDELTALIM\_HWNM\_F32)) ==> True,  
(Abs\_f32\_m(HwTqVal\_HwNm\_T\_f32) < k\_HwTqCor\_Ch1CMCLPFActvnThd\_HwNm\_f32) ==> True"  
TS1.2"Longest Execution Path:  
HwTqCor\_Ch1SSLimDiagFiltOut\_HwNm\_T\_f32 = Limit\_m(Ch1SSDiagFiltOut\_HwNm\_T\_f32, -(k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32 + D\_SSLPFDELTALIM\_HWNM\_F32), (k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32 + D\_SSLPFDELTALIM\_HWNM\_F32)) ==> False,  
(Abs\_f32\_m(HwTqVal\_HwNm\_T\_f32) < k\_HwTqCor\_Ch1CMCLPFActvnThd\_HwNm\_f32) ==> False"

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

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.4239998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.565599978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.18909979		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-16.2700005		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.874800026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.33949995		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	5.70419979		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	0		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-0.531199992		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.7652311	-2.76523066 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.8041997	5.8041997 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.8735027	8.87350178 ± 0.000009	✔
target_Pim_HwTqCorrInCh1CMCLPFSvData	-2.7652311	-2.76523066 ± 0.00048828125	✔

### Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

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

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.4720001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.156000003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.21670008		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-18.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.953100026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	12.4587002		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	10.6419001		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	-6.51609993		
target_Pim_HwTqCorrInCh1CMCLPFSvData	6.59880018		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	11.028173	11.0281734 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.1427116	8.1427116	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.1427116	8.14270973 ± 0.000009	✔
target_Pim_HwTqCorrInCh1CMCLPFSvData	11.028173	11.0281734 ± 0.00048828125	✔



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Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
SuspendAllInterrupts	1	SuspendAllInterrupts	1		✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1		✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1		✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1		✓
Rte_Call_Sa_HwTqCorrin_HwTqCorrinCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrin_HwTqCorrinCh1CMCLPFSvBlk_SetRamBlockStatus	1		✓

# TEST DETAILS REPORT

HwTqCorrln\_Per3

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## Test Case 2: Range Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS2.1 1084.00 Cycles  
TS2.2 2410.00 Cycles  
TS2.3 2352.00 Cycles  
TS2.4 2349.00 Cycles  
TS2.5 2340.00 Cycles  
TS2.6 2379.00 Cycles  
TS2.7 2340.00 Cycles  
TS2.8 2340.00 Cycles  
TS2.9 2340.00 Cycles  
TS2.10 2340.00 Cycles  
TS2.11 2340.00 Cycles  
TS2.12 2340.00 Cycles  
TS2.13 2332.00 Cycles  
TS2.14 2379.00 Cycles  
TS2.15 2340.00 Cycles  
TS2.16 2332.00 Cycles  
TS2.17 2340.00 Cycles  
TS2.18 2340.00 Cycles  
TS2.19 2359.00 Cycles  
TS2.20 2340.00 Cycles  
TS2.21 2332.00 Cycles  
TS2.22 2340.00 Cycles  
TS2.23 2332.00 Cycles  
TS2.24 1024.00 Cycles  
TS2.25 2340.00 Cycles  
TS2.26 2359.00 Cycles  
TS2.27 2332.00 Cycles  
TS2.28 2332.00 Cycles  
TS2.29 2359.00 Cycles  
TS2.30 2358.00 Cycles  
TS2.31 2341.00 Cycles  
TS2.32 2358.00 Cycles  
TS2.33 2332.00 Cycles  
TS2.34 2358.00 Cycles  
TS2.35 2340.00 Cycles  
TS2.36 2332.00 Cycles  
TS2.37 2332.00 Cycles  
TS2.38 2341.00 Cycles  
TS2.39 2358.00 Cycles

**Description** Vector Description:

TS2.1All Min  
TS2.2All Max  
TS2.3HwTqVal\_HwNm\_f32==>Min  
TS2.4HwTqVal\_HwNm\_f32==>Max  
TS2.5HwTqVal\_HwNm\_f32==>Pos  
TS2.6HwTqVal\_HwNm\_f32==>Zero  
TS2.7HwTqVal\_HwNm\_f32==>Neg  
TS2.8HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Min  
TS2.9HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Max  
TS2.10HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Pos  
TS2.11HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Zero  
TS2.12HwTqCor\_Ch1TraFiltKSV\_M\_str.SV==>Neg  
TS2.13HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Min  
TS2.14HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Max  
TS2.15HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Pos  
TS2.16HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Zero  
TS2.17HwTqCor\_Ch1SSFiltKSV\_M\_str.SV==>Neg  
TS2.18HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Min  
TS2.19HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Max  
TS2.20HwTqCor\_Ch1SSFiltKSV\_M\_str.K==>Pos  
TS2.21k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32==>Min  
TS2.22k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32==>Max  
TS2.23k\_HwTqCor\_Ch1SSOpSetFitThd\_HwNm\_f32==>Pos/Default  
TS2.24k\_HwTqCor\_Ch1CMCLPFActvnThd\_HwNm\_f32==>Min  
TS2.25k\_HwTqCor\_Ch1CMCLPFActvnThd\_HwNm\_f32==>Max  
TS2.26k\_HwTqCor\_Ch1CMCLPFActvnThd\_HwNm\_f32==>Pos  
TS2.27HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Min  
TS2.28HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Max  
TS2.29HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Pos  
TS2.30HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Zero  
TS2.31HwTqCor\_Ch1LmtTqSum\_HwNm\_M\_f32==>Neg  
TS2.32HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Min  
TS2.33HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Max  
TS2.34HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Pos  
TS2.35HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Zero  
TS2.36HwTqCor\_Ch1CMCFiltKSV\_M\_str.SV==>Neg  
TS2.37HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Min  
TS2.38HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Max  
TS2.39HwTqCor\_Ch1CMCFiltKSV\_M\_str.K==>Pos

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-10
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln

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Name	Input Value		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-10		
target_Pim_HwTqCorrnCh1CMCLPFSvData	-20		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-0.1	-0.100000001 ± 0.00000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	-20	-20 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.2 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		1		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		10		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		1		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		20		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32		20		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		10		
target_Pim_HwTqCorrnCh1CMCLPFSvData		20		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		10	10 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		20	20 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		20	20 ± 0.00009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData		10	10 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.3 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-11.5419998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.165099993		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-7.79930019		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.00249999994		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		10.3999996		
Rte_Inst_Sa_HwTqCorrin		target_Rte_Inst_Sa_HwTqCorrin		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		13.1395998		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32		8.68519974		
target_HwTqCorrin_Per3_HwTqVal_HwNm_f32.value		-10		
target_Pim_HwTqCorrinCh1CMCLPFSvData		7.92080021		
target_Rte_Inst_Sa_HwTqCorrin.HwTqCorrin_Per3_HwTqVal_HwNm_f32		target_HwTqCorrin_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrin.Pim_HwTqCorrinCh1CMCLPFSvData		target_Pim_HwTqCorrinCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-10.92408	-10.9240799 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		-8.7852001	-8.78520012 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.361939	-14.3619404 ± 0.00009	✓
target_Pim_HwTqCorrinCh1CMCLPFSvData		-10.92408	-10.9240799 ± 0.00009	✓

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.4 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	10.3999996			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.215499997			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.861400008			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	11.427			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.264999986			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4519997			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	13.9705			
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	12.6588001			
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	10			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-1.72140002			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	7.9731684	7.97316837 ± 0.000009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	4.5690656	4.56906509 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	4.5690656	4.56906509 ± 0.000009	✓	
target_Pim_HwTqCorrlnCh1CMCLPFSvData	7.9731684	7.97316837 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.5 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.4519997			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.515600026			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.532999992			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5424004			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.219999999			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4239998			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	4.08850002			
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	19.2348003			
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	4.15100002			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.58389997			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.452	-14.4519997 ± 0.00009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-12.176353	-12.1763515 ± 0.00009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-12.176353	-12.1763515 ± 0.00009	✓	
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.5839	3.58389997 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

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## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.4239998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.565599978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.861400008		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-16.2700005		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.874800026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.33949995		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	5.70419979		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	0		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.531199992		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-6.7529936	-6.75299358 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.8041997	5.80420017 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.8735027	8.87350178 ± 0.000009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-6.7529936	-6.75299358 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.4720001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.156000003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.532999992		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-18.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.953100026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	12.4587002		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	10.6419001		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.51609993		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.59880018		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	10.44322	10.4432201 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.1427116	8.14270973 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.1427116	8.14270973 ± 0.000009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	10.44322	10.4432201 ± 0.00009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.44999981
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.256599993
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.92080021
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.3999996
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.543600023
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20

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HwTqCorrn\_Per3

Name	Input Value		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.4225006		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	6.97849989		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	7.92080021		
target_Pim_HwTqCorrnCh1CMCLPFSvData	-5.70749998		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.0576077	9.05760765 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-6.1254406	-6.12544012 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-6.1254406	-6.12544012 ± 0.000009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	9.0576077	9.05760765 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.9 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		1.20000005		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.56099999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-1.72140002		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		10		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.989000022		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		20		
Rte_Inst_Sa_HwTqCorrIn		target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvThd_HwNm_f32		3.75410008		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		19.9566994		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value		-1.72140002		
target_Pim_HwTqCorrInCh1CMCLPFSvData		2.64779997		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData		target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-0.43890536	-0.438905388 ± 0.00000009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		19.889999	19.8899994 ± 0.00009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		19.889999	19.8899994 ± 0.00009	✓
target_Pim_HwTqCorrInCh1CMCLPFSvData		-0.43890536	-0.438905388 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

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HwTqCorrln\_Per3



## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.4000001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.449999988		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.58389997		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.470299989		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.25		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.52759981		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	15.7456999		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	3.58389997		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.21000004		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.5827551	4.58275509 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	7.2363749	7.23637486 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	7.2363749	7.23637486 ± 0.000009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.5827551	4.58275509 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.4239998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.620000005		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.531199992		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-15		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.555999994		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.5897999		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.1456003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-0.531199992		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.17329979		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.8104639	-5.81046391 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-6.6599998	-6.65999985 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-6.6599998	-6.65999985 ± 0.000009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-5.8104639	-5.81046391 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	11.427
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.779999971
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.59880018
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	14
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.971400023
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.45449996

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HwTqCorrn\_Per3

Name	Input Value		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	1.19260001		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	17.8330002		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	6.59880018		
target_Pim_HwTqCorrnCh1CMCLPFSvData	3.50460005		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	11.427	11.427 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-1.983902	-1.98390126 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-1.983902	-1.98390126 ± 0.000009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	3.5046	3.50460005 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.13 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-11.5424004		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.360000014		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-5.70749998		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.545409977		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-11.5419998		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		12.2038002		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		9.54679966		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		-5.70749998		
target_Pim_HwTqCorrnCh1CMCLPFSvData		1.57439995		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-9.4418364	-9.44183636 ± 0.000009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		-9.6468	-9.64680004 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-15.386923	-15.3869219 ± 0.00009	✓
target_Pim_HwTqCorrnCh1CMCLPFSvData		-9.4418364	-9.44183636 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.14 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-16.2700005		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.112000003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		2.64779997		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.926299989		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		10.3999996		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		0.148499995		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		6.7645998		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		2.64779997		
target_Pim_HwTqCorrnCh1CMCLPFSvData		-4.0078001		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-16.27	-16.2700005 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		6.8645997	6.86460018 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		11.10752	11.1075201 ± 0.00009	✓



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HwTqCorrln\_Per3

Name	Actual Value	Expected Value	Result
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-4.0078001	-4.0078001 ± 0.000009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.51999998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.257999986		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.57439995		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5419998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	6.20839977		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	16.5377998		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	1.57439995		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.79930019		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.6896448	-3.68964481 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-11.542	-11.5419998 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.542	-11.5419998 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.6896448	-3.68964481 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-12.4200001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.174500003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-8.17329979		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.532700002		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4239998		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0.989799976		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	5.96140003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-8.17329979		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.08100009		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-12.42	-12.4200001 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-6.0613999	-6.06139994 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-7.6836648	-7.6836648 ± 0.000009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.0810001	3.08100009 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

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HwTqCorrln\_Per3

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	10.4200001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.392100006		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.50460005		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.5110998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.915199995		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	5.37300014		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	12.6004		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	3.50460005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-9.40839958		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	7.7084718	7.70847178 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	10.183833	10.1838331 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.183833	10.1838331 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	7.7084718	7.70847178 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.51999998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.257999986		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.57439995		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5419998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	6.20839977		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	16.5377998		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	1.57439995		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.79930019		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.6896448	-3.68964481 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-11.542	-11.5419998 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.542	-11.5419998 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.6896448	-3.68964481 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-16.7199993
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.158000007
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.0078001
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.3999996
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	1
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.20000005

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HwTqCorrn\_Per3

Name	Input Value		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	2.43449998		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	0.0997999981		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-4.0078001		
target_Pim_HwTqCorrnCh1CMCLPFSvData	-0.861400008		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-16.719999	-16.7199993 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.1998	0.1998 ± 0.00000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	1.199998	1.20000005 ± 0.000009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	-0.86140001	-0.861400008 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.20 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		11.7200003		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.368999988		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-6.95529985		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.4519997		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.25		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		5.4000001		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		0.496800005		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		9.47869968		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		-6.95529985		
target_Pim_HwTqCorrnCh1CMCLPFSvData		-0.532999992		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		11.72	11.7200003 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		-9.4890003	-9.48900032 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-9.4890003	-9.48900032 ± 0.000009	✓
target_Pim_HwTqCorrnCh1CMCLPFSvData		-0.53299999	-0.532999992 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.21 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-18.757		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.125799999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-8.5934		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.528900027		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		-14.4239998		
Rte_Inst_Sa_HwTqCorrin		target_Rte_Inst_Sa_HwTqCorrin		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		13.2762003		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		0		
target_HwTqCorrin_Per3_HwTqVal_HwNm_f32.value		-8.5934		
target_Pim_HwTqCorrinCh1CMCLPFSvData		-3.25740004		
target_Rte_Inst_Sa_HwTqCorrin.HwTqCorrin_Per3_HwTqVal_HwNm_f32		target_HwTqCorrin_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrin.Pim_HwTqCorrinCh1CMCLPFSvData		target_Pim_HwTqCorrinCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-17.478418	-17.4784184 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		-0.1	-0.100000001 ± 0.00000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.424	-14.4239998 ± 0.00009	✓
target_Pim_HwTqCorrinCh1CMCLPFSvData		-17.478418	-17.4784184 ± 0.00009	✓

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HwTqCorrln\_Per3



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.727		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.254999995		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	5.45069981		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	12.4720001		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.952799976		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	11.427		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	10.4765997		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	20		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	5.45069981		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-6.92869997		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-0.64168644	-0.641686499 ± 0.00000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	11.476324	11.4763241 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	11.476324	11.4763241 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.64168644	-0.641686499 ± 0.00000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.727		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.368999988		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.8664		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9.44999981		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.783399999		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.5424004		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	15.9466		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	2.8499999		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	2.8664		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.80620003		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-0.66303539	-0.663035393 ± 0.00000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-2.9499998	-2.95000005 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-6.9954481	-6.99544621 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.66303539	-0.663035393 ± 0.00000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

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HwTqCorrln\_Per3



## Test Step 2.24 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	19.7469997
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.123499997
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.16270018
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	1.20000005
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.859200001
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-16.2700005
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	12.9540997
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	6.16270018
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.12440014
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	19.747	19.7469997 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-13.0541	-13.0541 ± 0.00009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-13.810225	-13.8102236 ± 0.00009	✓
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.1244001	-7.12440014 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-14.7519999
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.368999988
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.08100009
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	5.4000001
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.545000017
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.5419998
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	20
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	19.6049995
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	3.08100009
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-6.46729994
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.1716232	-8.17162323 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-3.8333898	-3.83339 ± 0.00009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-3.8333898	-3.83339 ± 0.00009	✓
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.1716232	-8.17162323 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0.541999996
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.257999986
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-9.40839958
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.4239998
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.926299989
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	10.3999996
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln

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HwTqCorrn\_Per3

Name	Input Value		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.7021008		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	6.07530022		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-9.40839958		
target_Pim_HwTqCorrnCh1CMCLPFSvData	-7.09679985		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.0252028	-2.02520323 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	6.1753001	6.17530012 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.5704708	8.57047081 ± 0.000009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	-2.0252028	-2.02520323 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-17.5419998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.245499998		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-10		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	11.427		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.884000003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4519997		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvThd_HwNm_f32	8.52390003		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	10.3334999		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	-7.79930019		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-0.0465999991		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-15.690439	-15.6904392 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-10.4335	-10.4335003 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.450035	-11.450036 ± 0.00009	✔
target_Pim_HwTqCorrInCh1CMCLPFSvData	-15.690439	-15.6904392 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-7.52400017		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.333000004		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5424004		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.532700002		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4239998		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvThd_HwNm_f32	7.83260012		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	10.7391005		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	-0.861400008		
target_Pim_HwTqCorrInCh1CMCLPFsvData	-1.24450004		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFsvData	target_Pim_HwTqCorrInCh1CMCLPFsvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.688508	-1.68850803 ± 0.000009	✔

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HwTqCorrn\_Per3

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-10.839101	-10.8390999 ± 0.00009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-13.077429	-13.0774279 ± 0.00009	✓
target_Pim_HwTqCorrnCh1CMCLPFSvData	-1.688508	-1.68850803 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.29 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.54199982			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.151999995			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.15100002			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-16.2700005			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.915199995			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001			
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	8.95670033			
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	5.41940022			
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-0.532999992			
target_Pim_HwTqCorrnCh1CMCLPFSvData	-8.17329979			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.4825678	4.48256779 ± 0.000009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.5194001	5.51940012 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.034678	10.0346785 ± 0.00009	✓	
target_Pim_HwTqCorrnCh1CMCLPFSvData	4.4825678	4.48256779 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.30 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-7.52400017			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.333000004			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5424004			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.532700002			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4239998			
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.83260012			
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	10.7391005			
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-0.861400008			
target_Pim_HwTqCorrnCh1CMCLPFSvData	-1.24450004			
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.018508	-5.01850796 ± 0.000009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-10.839101	-10.8390999 ± 0.00009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-13.077429	-13.0774279 ± 0.00009	✓	
target_Pim_HwTqCorrnCh1CMCLPFSvData	-5.018508	-5.01850796 ± 0.000009	✓	

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HwTqCorrln\_Per3

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.31 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.54199982			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.151999995			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.51609993			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-16.2700005			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.915199995			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	8.95670033			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	5.41940022			
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-0.532999992			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.17329979			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.8611689	2.86116886 ± 0.000009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.5194001	5.51940012 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.034678	10.0346785 ± 0.00009	✓	
target_Pim_HwTqCorrlnCh1CMCLPFSvData	2.8611689	2.86116886 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.32 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20			
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.254999995			
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.25740004			
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-18.4239998			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.36500001			
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln			
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	1.87119997			
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	11.3744001			
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-3.25740004			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.50460005			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData			
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00009	✓	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-8.2499895	-8.24999046 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-8.2499895	-8.24999046 ± 0.000009	✓	
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.5046	3.50460005 ± 0.000009	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓



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HwTqCorrIn\_Per3



## Test Step 2.33 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.254999995		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.92869997		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.3999996		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.145600006		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.20000005		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	11.9547005		
k_HwTqCor_Ch1SSOpSetFiltHd_HwNm_f32	6.45870018		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	-6.92869997		
target_Pim_HwTqCorrInCh1CMCLPFSvData	1.57439995		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	13.133182	13.1331816 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	6.5587001	6.55870008 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9.0604801	9.06048012 ± 0.000009	✔
target_Pim_HwTqCorrInCh1CMCLPFSvData	13.133182	13.1331816 ± 0.00009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.34 (Repeat Count = 1)

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	14.1499996		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.36500001		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.80620003		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.4519997		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.50999999		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.4000001		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.1606007		
k_HwTqCor_Ch1SSOpSetFitHd_HwNm_f32	12.5452003		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	6.80620003		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-4.0078001		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrInCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	11.469513	11.4695129 ± 0.00009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-4.3274803	-4.32747984 ± 0.000009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-4.3274803	-4.32747984 ± 0.000009	✔
target_Pim_HwTqCorrInCh1CMCLPFSvData	11.469513	11.4695129 ± 0.00009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrIn_HwTqCorrInCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.35 (Repeat Count = 1)

Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.25
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-7.12440014
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.4239998
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.541450024
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4239998

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HwTqCorrn\_Per3

Name	Input Value		
Rte_Inst_Sa_HwTqCorrn	target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	13.7053003		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value	-7.12440014		
target_Pim_HwTqCorrnCh1CMCLPFSvData	-6.95529985		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData	target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.7811	-1.78110003 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-13.805301	-13.8052998 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.424	-14.4239998 ± 0.00009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData	-1.7811	-1.78110003 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

Test Step 2.36 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-7.65600014		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.560000002		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-6.46729994		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		12.4720001		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.158000007		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		11.427		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		4.73999977		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		13.6535997		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		-6.46729994		
target_Pim_HwTqCorrnCh1CMCLPFSvData		-8.5934		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		-7.6560001	-7.65600014 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		12.30689	12.3068895 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		12.30689	12.3068895 ± 0.00009	✔
target_Pim_HwTqCorrnCh1CMCLPFSvData		-8.5934	-8.5934 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓

Test Step 2.37 (Repeat Count = 1)				
Name		Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		14.1499996		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32		0.36500001		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		6.80620003		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-14.4519997		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32		0.50999999		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32		5.4000001		
Rte_Inst_Sa_HwTqCorrn		target_Rte_Inst_Sa_HwTqCorrn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32		19.1606007		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32		12.5452003		
target_HwTqCorrn_Per3_HwTqVal_HwNm_f32.value		6.80620003		
target_Pim_HwTqCorrnCh1CMCLPFSvData		-4.0078001		
target_Rte_Inst_Sa_HwTqCorrn.HwTqCorrn_Per3_HwTqVal_HwNm_f32		target_HwTqCorrn_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrn.Pim_HwTqCorrnCh1CMCLPFSvData		target_Pim_HwTqCorrnCh1CMCLPFSvData		
Name		Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32		11.469513	11.4695129 ± 0.00009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32		-4.3274803	-4.32747984 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32		-4.3274803	-4.32747984 ± 0.000009	✓

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HwTqCorrln\_Per3

Name	Actual Value	Expected Value	Result
target_Pim_HwTqCorrlnCh1CMCLPFSvData	11.469513	11.4695129 ± 0.00009	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.38 (Repeat Count = 1) ✓

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.5400009		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.0465999991		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	1.20000005		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.895399988		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-16.2700005		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	14.2279997		
k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	12.2727003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-0.0465999991		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	2.8664		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-0.046600342	-0.046600342 ± 0.00000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-12.372701	-12.3726997 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-14.442639	-14.4426384 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.046600342	-0.046600342 ± 0.00000009	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1	✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1	✓
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	✓

## Test Step 2.39 (Repeat Count = 1) ✓

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-6.25400019		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.655600011		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.24450004		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-7.57000017		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.419999987		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-18.4239998		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	15.6617002		
k_HwTqCor_Ch1SSOpSetFiltThd_HwNm_f32	11.5747004		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-1.24450004		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.16270018		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-2.9697719	-2.96977186 ± 0.000009	✔
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-11.674701	-11.6746998 ± 0.00009	✔
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-12.12868	-12.1286802 ± 0.00009	✔
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-2.9697719	-2.96977186 ± 0.000009	✔

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HwTqCorrn\_Per3



Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
SuspendAllInterrupts	1	SuspendAllInterrupts	1		✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1		✓
SuspendAllInterrupts	1	SuspendAllInterrupts	1		✓
ResumeAllInterrupts	1	ResumeAllInterrupts	1		✓
Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrn_HwTqCorrnCh1CMCLPFSvBlk_SetRamBlockStatus	1		✓