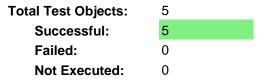
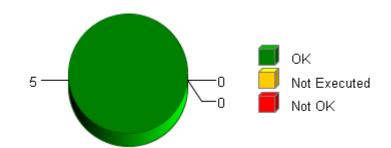


Summary

Overall Test Object Results (including Coverage)



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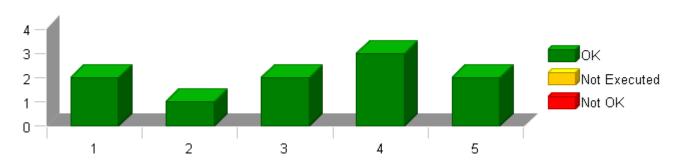
Selected Project Items

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)

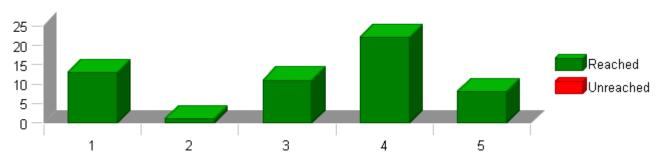
Test Case Results for Each Test Object (without Coverage)



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).

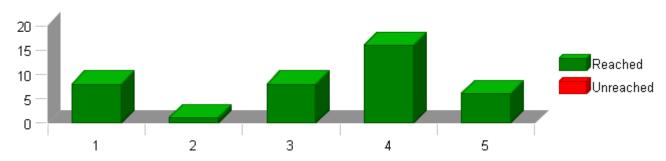


Statement (C0) Coverage: Total Statements for Each Test Object



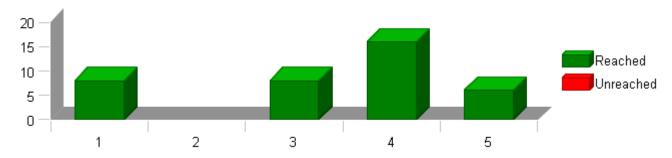
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

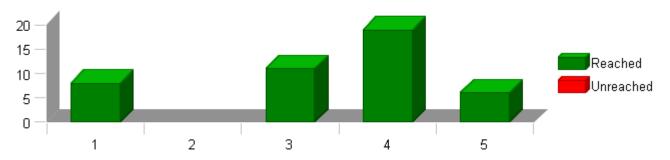


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



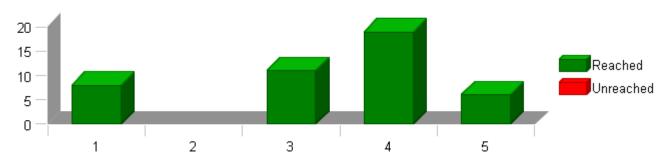
MC/DC Coverage: Total Condition Combinations for Each Test Object



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 HwTqCorrln_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
	HwTqCorrln_2	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	•
	UnitTest	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	•
	HwTqCorrln	100 %	100 %	100 %	100 %	100 %	10 of 10 passed	~
1	<u>CorrInSigAvlChk</u>	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	•
2	HwTqCorrln_Init1	100 %	100 %	-	-	-	1 of 1 passed	•
3	HwTqCorrln_Per1	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	•
4	HwTqCorrln Per2	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	•
5	HwTqCorrln_Per3	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	~

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HwTqCorrln_Per1

Project	HwTqCorrln_2
Module	HwTqCorrln
Test Object	HwTqCorrln_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\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrln_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)\HwTqCorrln_2TqADAS\src\Sa_HwTqCorrln.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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				

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Module 'HwTqCorrIn'



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
Unit Test Plan Version: 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: Comments:
"Note1: Inline function defined in GlobalMacro.h are not Unit Tested.

Note2:""CBD_Sandbox_dbg.map"" map file is embedded for refernce.

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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>
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\HwTgCorrln 2TgADAS ES057C 2 0 0 0 NoITTP\UnitTestEnv\config\UDE TMS570 DEBUG WSP



Test Case 1: Range Test

Specification

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

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
TS1.6 800.00 Cycles
TS1.7 800.00 Cycles
TS1.8 800.00 Cycles
TS1.9 800.00 Cycles
TS1.18 800.00 Cycles
TS1.19 800.00 Cycles
TS1.11 800.00 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
TS1.19 800.00 Cycles
TS1.19 800.00 Cycles
TS1.21 800.00 Cycles
TS1.22 800.00 Cycles
TS1.23 800.00 Cycles
TS1.25 800.00 Cycles
TS1.26 800.00 Cycles
TS1.27 F3.00 Cycles
TS1.28 800.00 Cycles
TS1.29 800.00 Cycles
TS1.29 800.00 Cycles
TS1.21 800.00 Cycles
TS1.23 800.00 Cycles
TS1.23 800.00 Cycles
TS1.24 800.00 Cycles
TS1.31 800.00 Cycles
TS1.33 800.00 Cycles
TS1.33 800.00 Cycles
TS1.34 800.00 Cycles
TS1.34 800.00 Cycles
TS1.35 F99.00 Cycles
TS1.35 F99.00 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 TS1.5HWTq1QIII_State_enumI==>SIGQLFR_FAIL
TS1.6HWTq2QIfr_State_enum==>SIGQLFR_NORES
TS1.7HWTq2QIfr_State_enum==>SIGQLFR_FAIL
TS1.9HWTq1RollgCntr_Cnt_u08==>Min
TS1.10HWTq1RollgCntr_Cnt_u08==>Max
TS1.11HWTq1RollgCntr_Cnt_u08==>Pos
TS1.12HWTq1RollgCntr_Cnt_u08=>Pos
TS1.12HWTq1RollgCntr_Cnt_u08=>Pos

TS1.12HwTq1RollgCntr_Cnt_u08==>Min TS1.12HwTq2RollgCntr_Cnt_u08==>Min TS1.13HwTq2RollgCntr_Cnt_u08==>Max TS1.14HwTq2RollgCntr_Cnt_u08==>Pos TS1.15HwTq1Val_HwNm_f32==>Max TS1.16HwTq1Val_HwNm_f32==>Pos TS1.17HwTq1Val_HwNm_f32==>Pos

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==>Zero
TS1.23HwTq2Val_HwNm_f32==>Zero
TS1.23HwTq2Val_HwNm_f32==>Zero
TS1.23HwTq2Val_HwNm_f32==>Zero
TS1.24HwTq2Val_HwNm_f32==>Min
TS1.25HwTqCor_Ch1Avl_Cnt_M_lgc=>Min
TS1.26HwTqCor_Ch1Avl_Cnt_M_lgc==>Max
TS1.27k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32==>Min
TS1.28k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32==>Max

TS1.28k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32==>Max TS1.29k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32==>Pos

TS1.39K_HWTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32==>Pos TS1.30HwTqCor_CorrlnPass_Cnt_M_lgc==>Min TS1.31HwTqCor_CorrlnPass_Cnt_M_lgc==>Max TS1.32k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32==>Min TS1.33k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32==>Max TS1.34k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32==>Pos TS1.35Rte_Call_NxtrDiagMgr_GetNTCActive==>Min TS1.36Rte_Call_NxtrDiagMgr_GetNTCActive==>Max

Test Step 1.1 (Repeat Count = 1)	Innut Value
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	0
HwTqCor_CorrInPass_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_HwTqCorrIn
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	0
k HwTgCor Ch1ImdtCorrInChkPassThd HwNm f32	0

HwTqCorrln_Per1



Name	Input Value			
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 Ig	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_Cr	nt_u16		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~	
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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓		

Test Step 1.2 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NxtrDiagMgr_GetNTCActive_NxtrDiagMgr$	<u>lg</u> 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_HwNr	n_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_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	•
HwTqCor_CorrInPass_Cnt_M_Igc	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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	•		



Test Step 1.3 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	11.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	2.45600009		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lquered for the control of the control$	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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~
HwTqCor_CorrlnPass_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_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	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~

Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	0		
HwTqCor CorrInPass Cnt M Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_Nx	ktrDiagMgr_GetNTCActive_NTCActive_Ptr	_T_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
<_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	2.54999995		
<_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
arget_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	25		
arget_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	3.24000001		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
arget_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	35		
arget_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
arget Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	lc 0		
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlf	r_State_enum	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1Ro	llgCntr_Cnt_u08	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Va	I_HwNm_f32	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlf	r_State_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2Ro	llgCntr_Cnt_u08	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Va	I_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorr	InSts_Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	•

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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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓	

Test Step 1.5 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1AvI_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		
$Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgcder) \\$) target_Rte_Call_Sa_HwTqCorrln_N	lxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T	Γ_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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 GetNTCActive NTCActive Pt	rTlc1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Q	lfr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u000000000000000000000000000000000000$	target_HwTqCorrln_Per1_HwTq1R	ollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1V	al_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Q	lfr_State_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u0	8 target_HwTqCorrln_Per1_HwTq2R	ollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2V	al_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCo	rrlnSts_Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	
HwTqCor_CorrInPass_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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓	

Test Step 1.6 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_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_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	4.55000019
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.255
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	36

HwTqCorrln_Per1

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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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgrams and target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgrams and target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_T_lgrams and target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_T_lgrams and target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_T_lgrams and target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive$	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_0	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_0	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_Ci	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~
HwTqCor_CorrInPass_Cnt_M_lgc	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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~

Test Step 1.7 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagI	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	12.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NxtrDiagMgr_GetNTCA$	<u>lg</u> 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_HwNr	m_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_HwNr	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~	



Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	13.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	18.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	25		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_learners	g 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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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_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	~
CorrInSigAvIChk	2	CorrlnSigAvlChk	2	•
Continaigavioni	2	COHINSIGAVICHIK	2	

Test Step 1.9 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	19.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	32		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_learner = 0.0000000000000000000000000000000000$	g 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_HwNn	1_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	-
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	V
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	-





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓

Test Step 1.10 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_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_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_letters.	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	n_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	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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_Ch1AvI_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_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_I	gc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn
<_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	18.2579994
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	2.54999995
arget_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

HwTqCorrln_Per1

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Input Value target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value 18 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value 8.25 $target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg_0$ $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum$ target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32$ target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ $target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32 $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ $target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ **Actual Value Expected Value** Name Result HwTqCor_Ch1Avl_Cnt_M_lgc $HwTqCor_CorrInPass_Cnt_M_lgc$ 1 HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08 152 152 0 0 $HwTqCor_HwTq1LstStallCnt_Cnt_M_u08$ HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08 18 18 0 HwTqCor_HwTq2LstStallCnt_Cnt_M_u08 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	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	•

T (0) (10/D (0) (1)			
Test Step 1.12 (Repeat Count = 1)			· ·
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	0		
HwTqCor_CorrlnPass_Cnt_M_Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	17.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	3.25500011		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	36		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	5.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	lg 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_HwNr	n_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_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	
HwTqCor_CorrlnPass_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_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	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓	



Test Step 1.13 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_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	0		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	142		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	4.55000019		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	135		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_log_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_log_NtrDiagMgr_GetNTCActive_N$	g 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_HwNn	1_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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	255	255	~
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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~

Test Step 1.14 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	0		
HwTqCor_CorrlnPass_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	3.25500011		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	12.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	185		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-3.54999995		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	52		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	g 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_HwNn	1_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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	~
CorrInSigAvIChk	2	CorrlnSigAvlChk	2	~

Test Step 1.15 (Repeat Count = 1) ✓				
Name	Input Value			
HwTqCor_Ch1AvI_Cnt_M_Igc	1			
HwTqCor_CorrlnPass_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagM	gr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn			
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.255			
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	13.25			
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0			
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	215			
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-10			
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0			
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	144			
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lo	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_0	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_0	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_C	nt_u16		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1AvI_Cnt_M_Igc	1	1	~	
HwTqCor_CorrlnPass_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_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	~	

Test Step Call Trace				V
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_Ch1AvI_Cnt_M_lgc	1
HwTqCor_CorrInPass_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_I	gc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrln
_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	1.75
_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25
arget_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
arget_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	244
arget_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10
arget_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_P	tr_T_lg 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwT	q1Qlfr_State_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u0	08 target_HwTqCorrln_Per1_HwT	q1RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwT	q1Val_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwT	q2Qlfr_State_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u0	08 target_HwTqCorrln_Per1_HwT	q2RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwT	q2Val_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwT	qCorrlnSts_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 HwTgCorrln Per1 HwTgCorrlnSts 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	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~

Test Step 1.17 (Repeat Count = 1)			٧
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	6.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	lg 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_HwNn	n_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_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_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	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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	•		



Test Step 1.18 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor CorrInPass Cnt M Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	fgr_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	18.2579994		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	253		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	0		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	199		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	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	n_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	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	~
HwTqCor_CorrlnPass_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_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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~		

Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	0		
HwTqCor_CorrlnPass_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		
$Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgreenergy) \\$	target_Rte_Call_Sa_HwTqCorrln_	NxtrDiagMgr_GetNTCActive_NTCActive_Pt	r_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	18.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	17.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	24		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-3.54999995		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Particles (Section 1) and the property of t$	tr_T_lg 0		
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Qlfr_State_enum$	target_HwTqCorrln_Per1_HwTq1	Qlfr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_uCorrIn_Per1_HwTq1RollgCntr_Cnt_UCorrIn_HwTq1RollgCntr_Cnt_UCorrIn_HwTq1RollgCntr_Cnt_UCorrIn_UCorrIn_HwTq1RollgCntr_Cnt_UCorrIn_UC$	target_HwTqCorrln_Per1_HwTq1l	RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1	/al_HwNm_f32	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2Qlfr_State_enum$	target_HwTqCorrln_Per1_HwTq2	Qlfr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_uCorrIn_Per1_HwTq2RollgCntr_Cnt_UCorrIn_HwTq2RollgCntr_Cnt_UCorrIn_HwTq2RollgCntr_Cnt_UCorrIn_UCorrIn_HwTq2RollgCntr_Cnt_UCorrIn_UC$	08 target_HwTqCorrln_Per1_HwTq2l	RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2	/al_HwNm_f32	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16000000000000000000000000000000000000$	target_HwTqCorrln_Per1_HwTqC	orrlnSts_Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	•
HwTqCor_CorrlnPass_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	~
CorrInSigAvIChk	2	CorrlnSigAvlChk	2	~

Test Step 1.20 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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	_lg 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_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_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_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	-
HwTqCor_CorrInPass_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	~	
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~	

Test Step 1.21 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	0
HwTqCor_CorrInPass_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_HwTqCorrIn
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_HwTqCorrIn_Per1_HwTq2Qlfr_State_enum.value	1

 $target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value$

HwTqCorrln_Per1

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Input Value target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value 25 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value 10 $target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg \ \ 0$ $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum$ target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32$ target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ $target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32 $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ $target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ **Expected Value Actual Value** Result Name HwTqCor_Ch1Avl_Cnt_M_lgc 0 $HwTqCor_CorrInPass_Cnt_M_lgc$ 0 0 HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08 9 0 0 $HwTqCor_HwTq1LstStallCnt_Cnt_M_u08$ HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08 25 25 254 254 HwTqCor_HwTq2LstStallCnt_Cnt_M_u08

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	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~

0

0

Test Step 1.22 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagf	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.255		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrIn_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_T_{active}$	<u>lg</u> 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_HwNr	n_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_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1AvI_Cnt_M_Igc	0	0	•
HwTqCor_CorrInPass_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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓		



Test Step 1.23 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	5.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	18.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	164		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	36		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	0		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	~

Test Step Call Trace					
Count	Expected Function	Count	Result		
1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~		
2	CorrlnSigAvlChk	2	•		
1		Count Expected Function Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive CorrlnSigAvlChk	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive 1		

Test Step 1.24 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_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	2.54999995		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	6.35400009		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	142		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-8.55000019		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	<u>lg</u> 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_HwNr	n_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_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	-
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	•
HwTqCor HwTq1LstRollqCnt Cnt M u08	12	12	-





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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓

Test Step 1.25 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagM	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_le	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_0	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_0	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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_Igc	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	~	
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~	

Test Step 1.26 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1AvI_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_HwTqCorrIn
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25
k_HwTqCor_Ch1ImdtCorrInChkPassThd_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

HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08

HwTqCor_HwTq1LstStallCnt_Cnt_M_u08 HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08

HwTqCor_HwTq2LstStallCnt_Cnt_M_u08

HwTqCorrln_Per1

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Result

Input Value target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value -3.54999995 $target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg \ \ 0$ $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum$ target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1Val_HwNm_f32$ target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ $target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08$ target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32 $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ $target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$ **Actual Value Expected Value** Name HwTqCor_Ch1Avl_Cnt_M_lgc $HwTqCor_CorrInPass_Cnt_M_lgc$ 1 1

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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~

25

1

0

0

25

1

0

0

Test Stan 4 27 (Panest Count = 4)			
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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	0		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	5.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	18		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCAct$			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_State	e_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_HwN	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_State	e_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_HwN	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_	Cnt_u16	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	
HwTqCor_CorrlnPass_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 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	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	•	



Test Step 1.28 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrlnPass_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	20		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	66		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-3.54999995		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	152		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	g 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_HwNn	1_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~
HwTqCor_CorrlnPass_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_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	~
CorrInSigAvIChk	2	CorrInSigAvlChk	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	18.5799999		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	17.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	128		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	4.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	36		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	9.22200012		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_tq_{tq} = target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_tq_{tq} = target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_T_tq_{tq} = target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_T_tq_{tq} = target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActiv$	g 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_HwNn	n_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_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	-
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	128	128	~



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	~	
CorrInSigAvIChk	2	CorrlnSigAvlChk	2	~	

Test Step 1.30 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lquered for the control of the control$	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_HwNn	1_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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	~	
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~	

Test Step 1.31 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_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

HwTqCorrln_Per1



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_lg	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_0	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_0	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_Ci	nt_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	~	
CorrInSigAvIChk	2	CorrInSigAvlChk	2	•	

Test Step 1.32 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_Igc	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_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	2.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	0		
target_HwTqCorrIn_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCA$	_lg 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_HwNi	m_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_HwNi	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_0	Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor Ch1Avl Cnt M lgc	0	0	
HwTqCor_CorrInPass_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	٠,
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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	•		



Test Step 1.33 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagM	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.255		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	20		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	42		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-7.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	244		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-1.5		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Interpretation and the properties of the proper$	g 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	n_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	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	~
HwTqCor_CorrlnPass_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_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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~

Test Step 1.34 (Repeat Count = 1)	Invest Males		
Name	Input Value		
HwTqCor_Ch1AvI_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		
$Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$	target_Rte_Call_Sa_HwTqCorrln_N	xtrDiagMgr_GetNTCActive_NTCActive_Pt	r_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCActive_NTCActive_NTCActive_NTCActive_Ptr_GetNTCActive_NTCA$	_T_lc 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Ql	fr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08$	target_HwTqCorrln_Per1_HwTq1Rd	ollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Va	al_HwNm_f32	
$target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTq2QIfr_State_enum$	target_HwTqCorrln_Per1_HwTq2Ql	fr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08$	target_HwTqCorrln_Per1_HwTq2Rd	ollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Va	al_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCor	rInSts_Cnt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1Avl_Cnt_M_lgc	1	1	-
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	·
HwTqCor HwTq1LstRollqCnt 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	~
CorrInSigAvIChk	2	CorrlnSigAvlChk	2	~

Test Step 1.35 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_Igc	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_NxtrDiagM	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	g 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	n_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	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	~
HwTqCor_CorrInPass_Cnt_M_Igc	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_Ch1AvI_Cnt_M_lgc	1
HwTqCor_CorrInPass_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_I	gc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn
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





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_lg	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_0	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_0	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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_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	~
CorrInSigAvlChk	2	CorrInSigAvlChk	2	~

Test Case 2	2: Metrics Test	V
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: ((SigAvI0_Cnt_T_lgc == TRUE)==>T && (SigAvI1_Cnt_T_lgc == TRUE)==>T), (TrqSum_HwNm_T_f32 >= k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32)==>T, ((HwTqCor_CorrInPass_Cnt_M_lgc == TRUE)==>F && (HwTqCor_Ch1Avl_Cnt_M_lgc == TRUE) && (NTC65_Cnt_T_lgc == FALSE))" TS2.2"Longest Execution Path: ((SigAvI0_Cnt_T_lgc == TRUE)==>F && (SigAvI1_Cnt_T_lgc == TRUE)), (TrqSum_HwNm_T_f32 >= k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32)==>F, (TrqSum_HwNm_T_f32 <= k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32)==>T, ((HwTqCor_CorrInPass_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_Ch1AvI_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_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	0		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	g 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_0	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_0	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_C	nt_u16	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	~





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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~

Test Step 2.2 (Repeat Count = 1)				
Name	Input Value			
HwTqCor_Ch1AvI_Cnt_M_lgc	1			
HwTqCor_CorrInPass_Cnt_M_lgc	1			
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	255			
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255	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_Nxt	rDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn			
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	20			
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	20			
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2	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	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 Ic 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_	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrli	nSts_Cnt_u16		
Name	Actual Value	Expected Value	Resul	
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	~
CorrInSigAvlChk	2	CorrInSigAvlChk	2	•

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HwTqCorrln_Per2

 Project
 HwTqCorrln_2

 Module
 HwTqCorrln

 Test Object
 HwTqCorrln_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\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrln_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)\HwTqCorrln_2TqADAS\src\Sa_HwTqCorrln.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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	

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Module 'HwTqCorrln'

Name of Tester: Priyanka Shitole
Code File(s) Under Test:Sa_HwTqCorrln.c
Code File(s) Under Test:Sa_HwTqCorrln_MDD.doc
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): 4330
Total RAM Used (Bytes): 44
Total CALS Used (Bytes): 416
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 refernce.

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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>	
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>	
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)

TS1.1 2143.00 Cycles TS1.2 1705.00 Cycles

Description

Vector Description:

TS1.1"Longest Execution Path:

 $(NTC65_Cnt_T_lgc == FALSE) == > True, \\ ((Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32) == > F || (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) == > F) \\ || (Ch1AbsSumFiltOut_HwNm_f32) == (Ch1AbsSumFiltOut$

TS1.2"Shortest Execution Path:

(Ch1AbsSDiagFiltOut_HwNm_T_f32 < k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32)==>F && (Ch1AbsSumFiltOut_HwNm_T_f32 < k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32)),
((HwTqCor_Ch1Avl_Cnt_M_lgc == TRUE)==>F && (NTC65_Cnt_T_lgc == FALSE))"

HwTqCorrln_Per2

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Test Case 2: Range Test

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HwTqCorrln_Per2



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 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
TS2.11 1687.00 Cycles
TS2.12 2111.00 Cycles
TS2.13 1687.00 Cycles
TS2.13 1687.00 Cycles
TS2.14 1694.00 Cycles
TS2.15 2137.00 Cycles
TS2.15 2137.00 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
TS2.19 1704.00 Cycles
TS2.19 1704.00 Cycles
TS2.19 1704.00 Cycles
TS2.21 2111.00 Cycles
TS2.21 2111.00 Cycles
TS2.22 1111.00 Cycles
TS2.23 1710.00 Cycles
TS2.23 1710.00 Cycles
TS2.24 2131.00 Cycles
TS2.25 2137.00 Cycles
TS2.25 2137.00 Cycles
TS2.25 2137.00 Cycles
TS2.27 1710.00 Cycles
TS2.28 2090.00 Cycles
TS2.29 2093.00 Cycles
TS2.23 1292.00 Cycles
TS2.30 2111.00 Cycles
TS2.31 2093.00 Cycles
TS2.32 2122.00 Cycles
TS2.33 1704.00 Cycles
TS2.33 1704.00 Cycles
TS2.34 1093.00 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
TS2.39 1694.00 Cycles
TS2.40 1705.00 Cycles
TS2.41 2111.00 Cycles
TS2.42 2137.00 Cycles
TS2.43 2143.00 Cycles
TS2.43 2143.00 Cycles
TS2.44 1710.00 Cycles
TS2.45 1704.00 Cycles
TS2.46 2143.00 Cycles
TS2.47 1700.00 Cycles
TS2.48 2143.00 Cycles
TS2.49 2100.00 Cycles
TS2.49 2100.00 Cycles
TS2.41 2111.00 Cycles
TS2.45 1694.00 Cycles
TS2.55 1687.00 Cycles
TS2.55 1687.00 Cycles
TS2.55 1688.00 Cycles
TS2.55 2141.00 Cycles
TS2.56 1688.00 Cycles
TS2.57 1470.00 Cycles
TS2.58 1694.00 Cycles
TS2.58 1694.00 Cycles
TS2.59 2111.00 Cycles
TS2.56 1688.00 Cycles
TS2.57 1470.00 Cycles
TS2.58 1694.00 Cycles
TS2.59 2111.00 Cycles
TS2.61 2093.00 Cycles
TS2.61 2093.00 Cycles
TS2.61 2093.00 Cycles
TS2.63 2111.00 Cycles





```
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
 TS2.8HwTq2Val_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==>Zero
TS2.17HwTqCor_Ch1LmtTqSum_HwNm_M_f32==>Neg
TS2.18k_HwTqCor_Ch1LmtTqSum_HwNm_M_f32==>Win
    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
TS2.21t_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_Ch1TraLPFDepAxis_Hz_u7p9[17]==>Min
TS2.25t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[17]==>Min
TS2.25t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[17]==>Max
TS2.26t_HwTqCor_Ch1TraFittKSV_M_str.SV==>Min
TS2.28HwTqCor_Ch1TraFittKSV_M_str.SV==>Min
TS2.28HwTqCor_Ch1TraFittKSV_M_str.SV==>Pos
TS2.30HwTqCor_Ch1TraFittKSV_M_str.SV=>>Pos
TS2.30HwTqCor_Ch1TraFittKSV_M_str.SV=>>Neg
TS2.31HwTqCor_Ch1TraFittKSV_M_str.SV=>Neg
TS2.32HwTqCor_Ch1TraFittKSV_M_str.SV=>Neg
TS2.33HwTqCor_Ch1TraFittKSV_M_str.K=>Min
TS2.33HwTqCor_Ch1TraFittKSV_M_str.K=>Pos
TS2.35HwTqCor_Ch1CMCFittKSV_M_str.SV=>>Min
TS2.36HwTqCor_Ch1CMCFittKSV_M_str.SV=>Max
TS2.36HwTqCor_Ch1CMCFittKSV_M_str.SV=>Pos
TS2.36HwTqCor_Ch1CMCFittKSV_M_str.SV=>Pos
TS2.38HwTqCor_Ch1CMCFittKSV_M_str.SV=>Pos
TS2.38HwTqCor_Ch1CMCFittKSV_M_str.SV=>Pos
TS2.38HwTqCor_Ch1CMCFittKSV_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
 TS2.40k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32==>Min
TS2.41k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32==>Max
TS2.42k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32==>Pos/Default
TS2.43HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Min
TS2.43HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Max
TS2.45HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Pos
TS2.46HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Zero
TS2.46HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Zero
TS2.47HwTqCor_Ch1SSDiagFitlOut_HwNm_M_f32==>Neg
TS2.48k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32==>Min
TS2.49k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32==>Pos/Default
TS2.50k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32==>Pos/Default
TS2.51k_HwTqCor_Ch1TraSumOpSetFitThd_HwNm_f32==>Min
   TS2.51k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32==>Min
TS2.52k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32==>Max
TS2.53k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32==>Pos/Default
   TS2.54k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32==>Min
TS2.55k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32==>Max
TS2.56k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32==>Pos
   TS2.57k HwTqCor_Ch1TraSumOpClrFltThd HwNm_f32==>Min
TS2.58k HwTqCor_Ch1TraSumOpClrFltThd HwNm_f32==>Max
TS2.59k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32==>Pos
   TS2.60HwTqCor_Ch1AvI_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_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	0
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	0
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	0
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	0
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	0

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· -			
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_Instructions and the property of the $	g 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	1_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				V
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_Ch1AvI_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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	20
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	20
k_HwTqCor_Ch1TqSumLim_HwNm_f32	10
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	20
k_HwTqCor_Ch1TraSumOpSetFltThd_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

HwTqCorrln_Per2

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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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	10		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Interpretation the property of the pr$	lg 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cn	t_u08	
Name	Actual Value	Expected Value	Resul
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_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 2.3 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1AvI_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_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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	1.79100001
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	1.79100001
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	18.9207993
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.23556328
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	5.85550022
k_HwTqCor_Ch1TraSumOpSetFltThd_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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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 HwTqCorrln Per2 HwTq1Val HwNm f32.value	-10		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	3.5783		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	n f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target HwTqCorrln Per2 HwTq2Val HwNr	_	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTqldptSig Cnt u08	target_HwTqCorrln_Per2_HwTqldptSig_Cn	_	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-6.2355633	-6.23556328 ± 0.000009	1100011
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_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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	✓

Test Step 2.4 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_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_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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	1.28129995
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	1.28129995
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	7.84959984
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.638291061
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	3.93179989
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	9.05790043
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043

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HwTqCorrln_Per2 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 4188 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11] $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]$ 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 -1.38849998 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value $target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg \ 0$ target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32$ target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08 **Actual Value Expected Value** Result HwTaCor Ch1LmtTaSum HwNm M f32 0.63829106 0.638291061 + 0.000000009 HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 -1.7415658 -1.74156606 ± 0.000009 0.38919938 HwTqCor Ch1TraFiltKSV M str.K Uls f32 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*

Test Step Call Trace				V
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	~

none

2

1

2

Test Step 2.5 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_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_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	16.9852009
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

 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value

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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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	6.25		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.3319		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg	1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_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_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 2.6 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_Igc	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_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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	15.2867002
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	15.2867002
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	2.01360011
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.28683758
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	5.7670002

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TWTQC0TIII_F612			1000
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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	0		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	4.96729994		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_learners	g 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.48365	-2.48364997 ± 0.000009	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-13.198799	-13.1987991 ± 0.00009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.36507899	0.365078986 ± 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	✓

Test Step 2.7 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.92199993
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.14969993
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	12.2903996
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-9.12520027
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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.3299007
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.3299007
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	14.1679001

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4.06483078 2.79369998 13.4265003 6575 2932 9681 3395 7108		
13.4265003 6575 2932 9681 3395		
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6375		
3134		
7617		
3012		
4932		
4017		
4564		
443		
13151		
19362		
6791		
14217		
17971		
4135		
16005		
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12750		
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	4287 6375 3134 7617 3012 4932 4017 4564 443 13151 5864 19362 6791 14217 17971 4135 16005 8573 12750 6267 15234 6024 9865 8034 9128 886 -1.25 -3.14969993 0 target_HwTqCorrin_Per2_HwTq1Val_HwNntarget_HwTqCorrin_Per2_HwTq2Val_HwNntarget_HwTqCorrin_Per2_HwTq1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwNntarget_HwTqUDATg1Val_HwN	4287 6375 3134 7617 3012 4932 4017 4564 443 13151 5864 19362 6791 14217 17971 4135 16005 8573 12750 6267 15234 6024 9865 8034 9128 886 -1.25 -3.14969993 0 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per2_HwTqVal_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per3_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per3_HwTq1Val_HwNm_f33 target_HwTq000000000000000000000000000000000000

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 2.8 (Repeat Count = 1)	v v
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_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.25
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.178000003
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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.79469991

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Name	Input Value		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	3.79469991		
k HwTqCor Ch1SSOpSetFltThd HwNm f32	20		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.133483708		
k HwTqCor Ch1TraSumOpClrFltThd HwNm f32	1.00220001		
k HwTqCor Ch1TraSumOpSetFltThd 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_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-10		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	1		
		m f22	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr target_HwTqCorrln_Per2_HwTq2Val_HwNr	_	
		_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cn		n u
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.13348371	0.133483708 ± 0.00000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	1.0841455	1.08414555 ± 0.000009	V
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.1485464	0.148546398 ± 0.00000009	~
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				V
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 2.9 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-13.3660002
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	9.02029991
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

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Name	Input Value		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.3047009		
k_HwTqCor_Ch1SSOpCIrFltThd_HwNm_f32	17.3047009		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	9.05790043		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.533672631		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	10.9485998		
k_HwTqCor_Ch1TraSumOpSetFltThd_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 HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T I			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNi	m f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target HwTqCorrln Per2 HwTq2Val HwNi	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target HwTqCorrln Per2 HwTqldptSig Cn	_	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.53367263	-0.533672631 ± 0.00000009	Resul
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	2.7418923	2.74189281 ± 0.0000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.29537624	0.295376211 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101		
Nic_Gail_Ga_FiwTqGGHH_INXIIDIagNigi_GetivTGGtatus(NTG_GHL_T_enum)		*none*	
Pto Call Sa HwTaCorrin NytrDiagMar SotNTCStatus/Baram Cat T ::00\	1		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none* *none*	

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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	•

Test Step 2.10 (Repeat Count = 1)	·
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.81999969
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.51130009
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	18.0414009
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.601000011
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc

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Name	Innut Value		
Name	Input Value		
Rte_Inst_Sa_HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.9995003		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	16.9995003		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	14.6106997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.07120514		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	8.08110046		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	7124		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]			
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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	5.97520018		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	7.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	1 f32	
target Rte Inst Sa HwTqCorrin.HwTqCorrin Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	_	
	target HwTqCorrln Per2 HwTqldptSig Cnt		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		1	-
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.63739991	-0.637399971 ± 0.00000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32			
	14.973184	14.9731827 ± 0.00009	•
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	14.973184 0.015875101	14.9731827 ± 0.00009 0.0158751272 ± 0.0000001	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)			•
	0.015875101	0.0158751272 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0.015875101 101	0.0158751272 ± 0.0000001 *none*	

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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_

Test Step 2.11 (Repeat Count = 1)		✓
Name	Input Value	
HwTqCor_Ch1AvI_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_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0	



Name	Input Value		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	fgr_GetNTCActive_NTCActive_Ptr_T_I	lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4280005		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	11.4280005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	18.6074009		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.95006442		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.70619988		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	7.10430002		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NT$	_lg 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.55215	3.55215001 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	7.8137093	7.81370926 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.085374773	0.0853747576 ± 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				V
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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_

Test Step 2.12 (Repeat Count = 1)		✓
Name	Input Value	
HwTqCor_Ch1AvI_Cnt_M_lgc	1	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	5.4749999	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.04299998	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	20	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994	

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HWTGOC_ChTTTatFIRSCM_M_SEK_UIS_122	
Rie_Jinst_Sa_HwTqCorrin	
K_HWTQCO_CHISSOPCHITM_HWNm_132	дс
k_HMTQCC_Ch1SSQpCiFiTINd_HMM_132	
K_HWTQCO_Ch1TqSunLim_HwNm_f32	
K. HTGCO_ChTTqSumUn, HwNm_52 7.8061614 K. HWTGCO_ChTTrasumOpSelFilthd_HwNm_52 6.9503988 K. HWTGCO_ChTTrasumOpSelFilthd_HwNm_52 10.2889986 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(0) 6885 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(1) 3287 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(2) 6235 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(3) 4695 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(4) 8070 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(5) 7280 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(7) 9092 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(7) 9092 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(7) 9092 L. HWTGCO_ChTTrat_PEDepAis_Hz_u7p9(7) 927 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(7) 927 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(1) 782 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(1) 782 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(1) 824 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(1) 2124 L. HWTGCO_ChTTrat_PEDPAIs_Hz_u7p9(1) 214 L. HWTGCO_ChTTrat_PEDAIs_Hz_u7p9(1) 7809 L. HWTGCO_ChTTrat_PEDAIs_Hx_u7p9(1) 7809 L. HWTGCO_ChTT	
K_HVTQCO_ChTTraSumOpClFFITTM_HwNm_f32	
K_HWTQCor_Ch1TrasImOpSetFiltThd_HwNm_f32	
L HWTQCO_CHTTaLPFDepAxis_Hz_u7p9[0]	
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1] 3287 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 6235 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3] 4695 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4] 8070 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] 7280 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] 9309 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7] 992 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7] 992 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8] 5660 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9] 9395 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10] 927 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11] 782 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12] 6845 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13] 3027 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14] 2124 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15] 5411 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16] 9509 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16] 9509 LhwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16] 9509 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0] 7899 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0] 7899 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3] 187 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3] 187 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3] 187 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 6029 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 6029 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7] 14281 LhwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7] 1428	
L HWTQCOr_ChTraLPFDepAxis_Hz_urp9[2]	
LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[3] 4695 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[4] 8070 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[5] 7280 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[6] 9309 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[7] 9982 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[8] 5660 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[8] 5660 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[9] 9395 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[1] 782 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[13] 782 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[13] 3027 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[13] 3027 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[14] 2124 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[15] 5411 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[16] 9509 LHWTQCO_Ch1TraLPFDepAxis_Hz_U7p9[16] 9509 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[0] 8781 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[0] 7403 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[2] 7403 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[3] 187 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[4] 3811 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[5] 246 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[6] 6029 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[7] 14281 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[8] 5363 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[9] 10614 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[1] 13995 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[1] 1403 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[1] 14995 LHWTQCO_Ch1TraLPFIndAxis_HwMm_u6p10[1] 14905 LHWTQCO_Ch1TraLPFIndAxi	
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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_HwTqCorn_Per2_HwTq1Val_HwNm_f32.value 4.88980007 target_HwTqCorn_Per2_HwTq2Val_HwNm_f32.value 4.25	
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t_HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[7]	
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	
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	
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_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value 4.88980007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value -4.25	
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	
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_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value 4.88980007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value -4.25	
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	
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	
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	
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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 4.88980007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value -4.25	
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value -4.25	
magor and dan da anarquothin taxibiligingi doctri orionto itrorionto i ci i igi l	
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_HwTqCorrin.HwTqCorrin_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrin_Per2_HwTqldptSig_Cnt_u08	
	Door
Name Actual Value Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32 4.5699 4.56990004 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -10.919006 -10.9190073 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	
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_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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_

Test Step 2.13 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_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



Name	Input Value		
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_NxtrDiagN	Igr GetNTCActive NTCActive Ptr T Igc	
Rte Inst Sa HwTqCorrin	target Rte Inst Sa HwTqCorrIn		
k HwTgCor Ch1CMCLPFOpLim HwNm f32	17.1958008		
k HwTqCor Ch1SSOpClrFltThd HwNm f32	17.1958008		
k HwTqCor Ch1SSOpSetFltThd HwNm f32	5.91620016		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.38534212		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.2967		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
	2446		
t_HwTqCor_Ch1Tral_PEDopAvis_Hz_u7p9[10]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]			
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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.04759979		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-0.382600009		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_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_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*	-
	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 2.14 (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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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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	gMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	2.6888001		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	2.6888001		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.5563002		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.49079037		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	11.7087002		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	9.02029991		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target HwTgCorrln Per2 HwTg1Val HwN	In \$22	
	0 - 1 - 1 -	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C		1
Name	Actual Value	Expected Value	Resul
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_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				V
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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_

Test Step 2.15 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-3.2579999

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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_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Agr GetNTCActive NTCActive Ptr T Igc	
Rte Inst Sa HwTqCorrIn	target Rte Inst Sa HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	1.45840001		
k HwTqCor Ch1TqSumLim HwNm f32	4.65701389		
k HwTqCor Ch1TraSumOpClrFltThd HwNm f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	-4.51130009		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target HwTqCorrln Per2 HwTq2Val HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cnt	_	
			D
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_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 NxtrDiagMqr GetNTCActive	1	✓

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

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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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	1.45840001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.04142332		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resul
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_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 2.17 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.5226002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	1.45840001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.64870811		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.05700004		
k_HwTqCor_Ch1TraSumOpSetFltThd_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 GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_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_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 2.18 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagI	Mgr_GetNTCActive_NTCActive_Ptr_T_lc	jc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	0.519900024		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	0.519900024		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.2229004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	10.4469004		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	232		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[12]	824		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]			
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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	6.60010004		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	6.48950005		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target HwTqCorrln Per2 HwTq1Val HwNr	n f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNr	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target HwTqCorrln Per2 HwTqldptSig Cn		
Name		_	Dagu
	Actual Value	Expected Value	Resu
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_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 2.19 (Repeat Count = 1) Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.71939993		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	3.71939993		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	14.7041998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	10		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.40980005		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_Ch1Tral.PFDepAxis_Hz_u7p9[4]	296 2791		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[5]			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9383 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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-2.15569997		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-2.04299998		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T		-	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNr		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 Name	target_HwTqCorrln_Per2_HwTqldptSig_Cnt Actual Value	t_u08 Expected Value	Resu
HwTqCor Ch1LmtTqSum HwNm M f32	-0.056349993	-0.0563500002 ± 0.00000009	, TOOU
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.624507	-5.62450695 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_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)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	
	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 2.20 (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	-3.91700006		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.72340012		
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_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	12.4843998		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	12.4843998		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	1.37339997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	7.3962388		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	11.8113003		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	15.4236002		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2804		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[1]	9742		
t_HwTqCor_Ch1Tral PFDepAxis_Hz_u7p9[2]	6384 491		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3] 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_Ch1Tral PEladAvis_HwNm_u6p10[15]	19561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11714		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-3.91700006		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target HwTqCorrln Per2 HwTq1Val HwNn	1 f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target_HwTqCorrin_Per2_HwTq2Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.9584999	6.95849991 ± 0.000009	ixesuit
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.10925686	-0.109256826 ± 0.0000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12858856	0.128588557 ± 0.00000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	-
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_entill)	1	1	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	
target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value	2	2	
0			

Test Step Call Trace				V
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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	V





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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	3.28640008		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	3.28640008		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.7143002		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.630322278		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	13.6743002		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	8.30039978		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.30690002		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq1Val HwNm f32	target HwTgCorrln Per2 HwTg1Val HwNn	n f32	
target_Rte_inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	-	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		P "
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 Step 2.22 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiag	gMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	15.0268002		
k_HwTqCor_Ch1SSOpCirFitThd_HwNm_f32 k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	15.0268002 11.5834999		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.13602924		
k HwTqCor Ch1TraSumOpClrFltThd HwNm f32	2.06990004		
k HwTqCor Ch1TraSumOpSetFltThd 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_Ch1Tral.PFIndAxis_HwNm_u6p10[5]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 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_Supplies the following the control of $	lg 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	lm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_C	nt_u08	
Name	Actual Value	Expected Value	Resul
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	~



Test Step 2.23 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	5.0545001		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	5.0545001		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0.487899989		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.40466893		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	6.36630011		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	9.08240032		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[2]	1302		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[3]	3911		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[4]	9116		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[5]	662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4068 7616		
_ , _ ,	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8] 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]	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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActive_NTCActive_Ptr_T_GetNTCActive_NTCActi$			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Ci	nt_u08	
Name	Actual Value	Expected Value	Resul
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	~



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_UIs_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_NxtrDiagM	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	5.16190004		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	5.16190004		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.6759005		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.2879467		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32 k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	1.56710005		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	0		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[1]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	0		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[3]	0		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	0		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[5]	0		
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]	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 20179		
t_HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[11]			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136 6136		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[14]	16456		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[15]	12196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993		
target_HwTqCorrIn_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_lg			
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		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_	_	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-0.67660004	-0.676599979 ± 0.00000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.146999	-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*	✓

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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_



Test Step 2.25 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.4554005		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.4554005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.0959997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.779619217		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	4.89120007		
k_HwTqCor_Ch1TraSumOpSetFltThd_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 19200		
t_HwTqCor_Ch1Tral_PEDopAvis_Hz_u7p9[14]	19200		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15] 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_GetNTCActive_NTCActive_Ptr_T_	lg 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_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 ± 0.000009	✓
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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	~
Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_



Test Step 2.26 (Repeat Count = 1) Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV UIs f32	-3.2579999		
HwTqCor Ch1LmtTqSum HwNm M f32	1.78180003		
HwTqCor Ch1SSDiagFiltOut HwNm M f32	19.6231003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_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_NxtrDiagN	Mar GetNTCActive NTCActive Ptr T I	ac
Rte_Inst_Sa_HwTqCorrIn	target Rte Inst Sa HwTqCorrln	3	J
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	10.1653996		
k_HwTqCor_Ch1SSOpCIrFltThd_HwNm_f32	10.1653996		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.8203001		
k HwTqCor Ch1TqSumLim HwNm f32	6.77189779		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	0.882499993		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_		100	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cnt		
Name	Actual Value	Expected Value	Resul
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* *none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)			



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		
	1		
HwTqCor_Ch1AvI_Cnt_M_lgc HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-4.14519978		
	4.58419991		
HwTqCor_Ch1SSDiggEitCut_HuMm_M_f32			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.24529982		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-20		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0	4 0 INTO 1 NTO 1 TO 1	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_I	gc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.9514999		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	19.9514999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.8814001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.744521856		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	13.7889996		
k_HwTqCor_Ch1TraSumOpSetFltThd_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			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	n f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq2Val_HwNr	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cni		
Name	Actual Value	Expected Value	Resu
		•	Resu
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	

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Name	Actual Value	Expected Value	Result
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	~

Test Step 2.28 (Repeat Count = 1)			<u> </u>
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	6.78270006		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	6.78270006		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	8.43410015		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.62677133		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	13.1154003		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	2.44160008		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.18809986		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target HwTqCorrln Per2 HwTq1Val HwNm	ı f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-1.6267713	-1.62677133 ± 0.000009	Rosult
HWTqCor Ch1TraFiltKSV M str.SV Uls f32	17.918118	17.9181175 ± 0.00009	
HWTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32 HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.096264184	0.0962641761 ± 0.000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	

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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		
	0		
HwTqCor_Ch1Avl_Cnt_M_lgc HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-9.12520027		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.53119993		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	16.8738003		
	6.25		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.477999985		
		Age CothITCA etine NITCA etine Dtr. T. Inc.	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	vigi_GetinTCActive_NTCActive_Pti_T_igc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	6.90749979		
k_HwTqCor_Ch1SSOpCirFitThd_HwNm_f32 k_HwTqCor_Ch1SSOpSetFitThd_HwNm_f32	6.90749979 15.2553997		
k HwTqCor Ch1TqSumLim HwNm f32	9.00119114		
_ , _ ,	9.93610001		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32			
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	17.6818008 6524		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8554		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	8289		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[3]	6762		
t_HwTqCor_Ch1Tral.PFDepAxis_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive$			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.84425	-3.84424996 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	3.483876	3.48387623 ± 0.000009	

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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_HwTqIdptSig_Cnt_u08.value	0	0	~

Test Step Call Trace			V	
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		
	1		
HwTqCor_Ch1CMCEitKSV_M_atr_SV_Lila_f33	0.152199998		
HwTqCor_Ch1LmtTqSum_HwMm_M_f22	-9.5248003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32 HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.26480007		
1 = 0 = ==	0		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		Agr. CatNTCAptive NTCAptive Dtr. T. Igo	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc) Rte Inst Sa HwTqCorrln	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN target_Rte_Inst_Sa_HwTqCorrln	IGI_Getiv1 CACtive_IV1 CACtive_Fti_1_IgC	
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	13.1148996		
k HwTqCor Ch1SSOpClrFltThd HwNm f32	13.1148996		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	3.29060006		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	5.58657598		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.26160002		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	18.8637009		
	1722		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3978		
t_mwrqcor_cnrralPFDepAxis_nz_urps[r] t HwTqCor_Ch1TralPFDepAxis_Hz_urps[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_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	n_f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cnt		
Name	Actual Value	The second secon	Resu
		· ·	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.8931501	2.89315009 ± 0.000009	

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Name	Actual Value	Expected Value	Result
HwTqCor_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				V
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	✓





Name	~
HWTGOC_ChtICMTGSUM_HWNN_M_F32	
HurtGoC_ChttmtGsUm_Huhm_M_D2	
HWTQCC, CHITERISKY M, 15X, VII. 512	
HWTQCC_CHTTGFIRKSV_M_strX_UIs_132	
HATGOC Ch1Tral-PFDapAis FL 27961 S490	
HATGOC Ch1Tral-PFDapAis FL 27961 S490	
Rispectar Sach Humacomin NachBagNor_GentTCactave_NTCactave_Ptr_T.jec large_Rite_inals_Sa_Humacomin stronger_CentSociative_NTCactave_NTCactave_Ptr_T.jec large_Rite_inals_Sa_Humacomin stronger_CentSociation_Ntching_CentSociation_N	
Rie, Inst, Sa, HwiTqCorrin targer, Rie, Inst, Sa, HwiTqCorrin k, HwTqCor, ChitSQDpCiritTh, HwNm, 122 15.4350004 k, HwTqCor, ChitSQDpCiritThd, HwNm, 122 15.4350004 k, HwTqCor, ChitTqSumChg-HwNm, 132 12.747997 k, HwTqCor, ChitTqSumChgCiritThd, HwNm, 132 7.3600013 k, HwTqCor, ChitTqSumChgCiritThd, HwNm, 132 19.1818004 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 535 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 535 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 525 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 536 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 549 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 549 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 454 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 143 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 478 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 478 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 408 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 408 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(I) 1520 LHwTqCor, ChitTqsUpPopakis, Hz, Urpg(II) 1520 LHwTqCor, ChitTqsUpPopakis,	
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k_HvTqCor_Ch1TSSumLim_HvNim_132 k_HvTqCor_Ch1TraSumOpSelFiTINd_HvNim_132 k_HvTqCor_Ch1TraSumOpSelFiTINd_HvNim_132 k_HvTqCor_Ch1TraSumOpSelFiTINd_HvNim_132 k_HvTqCor_Ch1TraSumOpSelFiTINd_HvNim_132 k_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(1) 6513 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(1) 6513 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(2) 125 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 1681 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 1681 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 1789 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 183 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 1843 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 185 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 187 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 187 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 187 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 187 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 189 180 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(3) 180 l_HvTqCor_Ch1TraLPFDepAxis_Hz_u7p9(4) 181 l_HvTqCor_Ch1TraLPFDexAxis_Hv_u7p9(6) 185 l_HvTqCor_Ch1TraLPFDexAxis_Hv_u7p9(6) 185 l_HvTqCor_Ch1TraLPFDexAxis_Hv_u7p9(6) 180 l_HvTqCor_Ch1TraLPFDexAxis_Hv_u7p9	
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K_HWTQCO_ChTTraLPFDpAxs_Hz_U796 0 6513	
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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[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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4] 9598 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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 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[16] 18644 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
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 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 18644 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995	
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T lc 0	
target_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrIn_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	-
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.7307353 ± 0.000009	-
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	-
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_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_SetNTCStatus	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	V



Test Step 2.32 (Repeat Count = 1) Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagN	Agr. CotNTCActive NTCActive Dtr. T.	lao
Rte Inst Sa HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrIn	vigi_Genvi CACtive_ivi CACtive_Ftt_i_i	igo
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	12.5853996		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	12.5853996		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.49020004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.83921266		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.52760005		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	18223		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 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_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resu
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(NTC_Ont_1_endin)	1	*none*	
	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	11		

Test Step Call Trace				V
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 2.33 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	8.21150017		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.96450001		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.61859989		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-3.2579999 0.610338867		
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32		Mar CatNITCActive NITCActive Dtr T	lao
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag target_Rte_Inst_Sa_HwTqCorrln	ivigi_GetivTCActive_NTCActive_Pti_1_i	ige
Rte_Inst_Sa_HwTqCorrIn	17.9902		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.9902		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32 k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.2278004		
	3.75470829		
k_HwTqCor_Ch1TqSumLim_HwNm_f32 k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	10.5739002		
k HwTqCor Ch1TraSumOpSetFltThd_nwNm f32	5.1097002		
_ , ,	10104		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[0]	8108		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[1]			
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[2]	1146		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[3]	1831 3934		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[4]	3934 5743		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[5]			
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[6]	1288 7651		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[7]	4010		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[8]	2283		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[9]	3350		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[10]			
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[11]	2258		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[12]	9143		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4514		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	38		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6500		
t_HwTqCor_Ch1TralPFDepAxis_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_Ch1Tral.PFIndAxis_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_	• •	m f22	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cr		
Name	Actual Value	Expected Value	Resul
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	~			



Test Step 2.34 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	4.64559984		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	4.64559984		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	8.20079994		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.25898933		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	14.9755001		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_	<u>lc</u> 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
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(NTC_Ctit_1_endin)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Fatatin_Crit_1_ubb)	1	*none*	
			_

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 2.35 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiag	pMgr_GetNTCActive_NTCActive_Ptr_T_I	gc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	13.7573004		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	13.7573004		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.9122		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.45114231 14.5867996		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	20		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32 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_		l 100	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cr	_	
Name	Actual Value	Expected Value	Resul
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 ± 0.00000009	•
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	~	



Test Step 2.36 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDia	gMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0.324400008		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.61993575		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	17.9920998		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	14.7711 6891		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0] 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_Ch1Tral.PFIndAxis_HwNm_u6p10[9] t HwTqCor_Ch1Tral.PFIndAxis_HwNm_u6p10[10]	19221 8170		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	3040		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	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_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	7.31659985		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.788500011		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hwl	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwI	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C	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	~



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_Ch1AvI_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)		agMgr_GetNTCActive_NTCActive_Ptr_T_I	ac
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		J
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.0986004		
k_HwTqCor_Ch1SSOpCIrFitThd_HwNm_f32	14.0986004		
k HwTqCor Ch1SSOpSetFltThd HwNm f32	8.13570023		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.21214581		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	4.99599981		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		N. 600	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hw	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_Hw		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_		1_
Name	Actual Value	Expected Value	Resul
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) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	101	*none*	•
	1	*none*	, , , , , , , , , , , , , , , , , , ,

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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_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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)		agMgr_GetNTCActive_NTCActive_Ptr_T	_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.38390017		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	7.38390017		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	3.49600005		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.03271925		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	19.5123005		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_		N 199	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hv	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_Hv	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_	_	
Name	Actual Value	Expected Value	Resu
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	





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	~

Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiagN	Mar GetNTCActive NTCActive Ptr T Iac	
Rte Inst Sa HwTqCorrin	target Rte Inst Sa HwTqCorrIn		
k HwTqCor Ch1CMCLPFOpLim HwNm f32	16.6014004		
k HwTqCor Ch1SSOpClrFltThd HwNm f32	16.6014004		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.2201004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.24032295		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	0.817399979		
k HwTqCor Ch1TraSumOpSetFltThd 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_mw1qcor_cn111aLPFDepAxis_nz_u7p9[4] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	9749		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2837		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	1826		
	9519		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[8]	178		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[9]	8256		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]			
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 9852		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]			
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			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cn	t_u08	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.2403229	1.24032295 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	14.513342	14.513341 ± 0.00009	
- _ -	0.050888479	0.0508884825 ± 0.0000001	

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 HwTgCorrln Per2 HwTgldptSig Cnt u08.value	0	0	_

Test Step Call Trace				V
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		
	1		
HwTqCor_Ch1CMCFill/SV_M_atr_SV_Llla_f33	-11.5615597		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-4.3355999		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32 HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	7.9685998		
, _	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	0.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		Age CothITCActive NITCActive Dts T Igo	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	rigr_Getin i Cactive_N i Cactive_Ptr_ i _igc	
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrln 0		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	4.66680002		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	16.0699997		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0.923197746		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.02690005		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32 k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	2.27729988		
	6317		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[0]	4090		
t_HwTqCor_Ch1Tral PFDepAxis_Hz_u7p9[1]	1277		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	797		
	1857		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[4]	684		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9987		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9304		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3099		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	1575		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	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_	Γ_lg 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	1_f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.45009995	-0.450100005 ± 0.00000009	1.000
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.9021845	5.90218401 ± 0.000009	
1 - 1 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3			

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Name	Actual Value	Expected Value	Result
HwTqCor_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	~





Test Step 2.41 (Repeat Count = 1)			V
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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	20		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	2.50430012		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	18.1413994		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.11079788		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	19.9612007		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	3.15490007		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6094		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[1]	6392		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[2]	9871 8551		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3] t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9541		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[4]	2290		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	8094		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	6472		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8719		
t HwTgCor 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] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19070		
	3688 7418		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	4.59740019		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-8.83250046		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	1 1 1 1 1 1 1		
target Rte Inst Sa HwTqCorrin.HwTqCorrin Per2 HwTq1Val HwNm f32	target HwTgCorrln Per2 HwTg1Val HwNn	1 f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.7149506	6.71495008 ± 0.000009	Nesuit
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_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	-
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_entill)	1	1	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	
target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value	0	0	
	11	1.	

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 2.42 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_l	gc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	12.54		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	11.3283005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	17.0016003		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.13894224		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	15.658		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.87930012		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	lc 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_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	6.1389422	6.13894224 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-1.8425044	-1.84250462 ± 0.000009	-
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.15063363	0.150633618 ± 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*	

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 2.43 (Repeat Count = 1)			Ť
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	1.16100001		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-20.1000004		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-4.14519978 0.452199996		
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32 Pto_Call_So_HwTqCordb_NytDiagMar_CotNTCActive(NTCActive Dtr. T. Ico)		Agr. CatNITCA ativo NITCA ativo Dtr. T. Id	**
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN target_Rte_Inst_Sa_HwTqCorrln	VIGI_GENTCACTIVE_INTCACTIVE_FTI_T_IQ	jc
Rte_Inst_Sa_HwTqCorrIn k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.90690041		
k_HwTqCor_Ch1SSOpCirFitThd_HwNm_f32	18.5338993		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	14.3851004		
k HwTqCor Ch1TqSumLim HwNm f32	1.93667555		
k HwTqCor Ch1TraSumOpClrFltThd HwNm f32	20		
k HwTqCor Ch1TraSumOpSetFltThd HwNm f32	18.6343994		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9590		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3197		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	7260		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[3]	8268		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9135		
t_mwrqcor_cnrralPFDepAxis_nz_urps[4] t_HwTqCor_Ch1TralPFDepAxis_Hz_urps[5]	114		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4075		
t_mwrqcor_cnrnatPrbepAxis_nz_urps[o] t HwTqCor_Ch1TraLPFDepAxis_Hz_urps[7]	2139		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[8]	7355		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	3563		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	1924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4295		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	7274		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	2138		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2333		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9763		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[16]	6396		
t_HwTqCor_Ch1TraLPFIndAxis_Hz_urps[10]	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 HwTgCorrin Per2 HwTg1Val HwNm f32.value	-4.87739992		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-1.9366755	-1.93667555 ± 0.000009	TOOUI
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-3.3159761	-3.31597614 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.3754651	0.375465065 ± 0.0000009	
Rte Call Sa HwTqCorrIn NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	101	101	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cfit_1_entitin) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	
	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 2.44 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lge	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.05790043		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	4.82159996		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.7792997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.82340431		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	7.83050013		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	8236		
t_HwTqCor_Ch1Tral.PFIndAxis_HwNm_u6p10[4]	18145		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]			
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_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_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_UIs_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*	
	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 2.45 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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)		gMgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4703999		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	10.4324999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	2.65050006		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.18639994		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	17.2919006 9804		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[0]	1200		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[1]	7028		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 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] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	1260 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 HwTgCorrIn Per2 HwTg1Val HwNm f32.value	-7.76620007		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.8039		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	√m_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C	nt_u08	
Name	Actual Value	Expected Value	Resul
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*	•

Test Step Call Trace				V
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 2.46 (Repeat Count = 1)			∨
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4703999		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	10.4324999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	2.65050006		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.18639994		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.02420128	-0.0242012795 ± 0.00000009	1.00 and
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.72131425	-0.721314311 ± 0.00000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38199133	0.381991297 ± 0.00000001	
Rte Call Sa HwTqCorrln NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	101	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cht_1_enum) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Falatin_Crit_T_uub)	1	*none*	
THE CALL OF THE LACE HAVE A COUNTY OF THE LACE AND THE LA	'	Hone	

Test Step Call Trace				V
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 2.47 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	gMgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4703999		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	10.4324999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	2.65050006		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.0242012795		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.18639994		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	17.2919006 9804		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[0]	1200		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[1]	7028		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 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] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	1260 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 HwTgCorrIn Per2 HwTg1Val HwNm f32.value	-7.76620007		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.8039		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C	nt_u08	
Name	Actual Value	Expected Value	Resul
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*	•

Test Step Call Trace				V
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 2.48 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiag	gMgr_GetNTCActive_NTCActive_Ptr_T_I	gc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.3156004		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	9.61530018		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.578034759		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	12.3243999		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	17.5107994 4483		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4871		
	478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 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_		lm 100	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwN	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwN		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Ci	_	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.57803476	0.578034759 ± 0.00000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_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	~



Test Step 2.49 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.4972		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	4.70849991		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	20		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.61658847		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	16.7311993		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	9.78779984 5648		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0] t HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5372		
	6740		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 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_Ch1Tral.PFIndAxis_HwNm_u6p10[15]	2685 19427		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	4.19969988		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.287800014		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc			
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	_	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTqldptSig Cnt u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_	_	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	1.6165885	1.61658847 ± 0.000009	Nesult
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	11.929974	11.9299736 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.24213159	0.242131621 ± 0.0000001	-
	101	*none*	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	~
		none 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 2.50 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	lgr_GetNTCActive_NTCActive_Ptr_T_l	ic
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	4.59350014		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	3.44169998		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	2.8499999		
k_HwTqCor_Ch1TqSumCin_HwNm_f32	1.60165584 2.73530006		
k_HwTqCor_Ch1TraSumOpCirFitThd_HwNm_f32 k_HwTqCor_Ch1TraSumOpSetFitThd_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] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	18495 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_GetNTCActive_NTCActive_Ptr_T_I			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	1 f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
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	V
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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	~
Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_



Test Sten 2 Ed (Penest Count = 4)			~
Test Step 2.51 (Repeat Count = 1)	In most Walter		
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-9.12520027		
HwTqCor Ch1LmtTqSum HwNm M f32	-9.12520027 -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_NxtrDiagN	lar GetNTCActive NTCActive Ptr T lac	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	1.39090002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.7649002		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.38398504		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	8.98700047		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	0		
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]	927 782		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[11]	6845		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12] 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]	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 -0.0364000015		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target Rte Inst Sa HwTqCorrin.HwTqCorrin Per2 HwTq1Val HwNm f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	f32	
target Rte Inst Sa HwTqCorrin.HwTqCorrin Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	1.0576501	1.05764997 ± 0.000009	- tosuit
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	~
	1	1	

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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NxtrDiagMgr GetNTCActive	1	_



HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 9980 HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2494 HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 11740 HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 7310 HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value -7.89890003 Harget_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value -4.59740019 Harget_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Ic_Call_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 Harget_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 HwTqCor_Ch1LmtTqSum_HwNm_Mf32 -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_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 101 *none*	Test Step 2.52 (Repeat Count = 1)	Innut Value		
MargingCo_PITATEGROM_1987_M_1987_W_1982 5.789990 5.789990 5.789990 5.789990 5.789990 5.789990 5.789990 5.789900				
Marging	·			
Mar Soc ChitTraffill(SV Mar SV Us 12	· - ·			
No. Call Part Part Line Part Lin	· - · ·			
Risport Description Desc				
No.				
Limangoon Chinangoon Programme Annion 152 9,00000041 1			gMgr_GetNTCActive_NTCActive_Ptr_T_	_lgc
IMPSGOC_CHTSSOpOFFITTINE_Hawkm_S2				
MarQue ChitSoposeFitTing Hwbm 122				
Limitogic Chitrisminin Halmin 12 6.3890128 Limitogic Chitrisminin Chitrismin Chitrisminin				
Limangoo Chitriasumopolitrina Hwhm, 132 18279997	<hr/> k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.9382		
Lawragoon Chit Traus PropeAss Hz Line 1904	k_HwTqCor_Ch1TqSumLim_HwNm_f32			
	k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.62769997		
HAMFGOC CHTTELPFENDANS, Hz. U769	k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	20		
Lithrig Co, Chit Trail PFDepAxis, Hz_U799(3) 392	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043		
MATGOC_CHTTGLPFDepAsis_Hz_U7963 9116 91	_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
HMTQCC_ChTTRLPFDepAxis_Hz_U79691 566	:_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
LHWTQCOC_CHTTGLEPEnpaksis_Hz_u7pp(8) 6682	_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
LHWTQCOC_CHITTRLEPEDPAKS_Hz_u7p8[7]	_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
HWTQCO_ChTTral_PFDepAxis_Hz_Urpe 0	_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
	HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068		
HwTqCor_ChTTral_PFDepAxis_Hz_U7p6 8	: HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	7616		
LHWTQCOC Ch1TraLPFDepAsis Hz_U796 10 2446 2		7567		
LHWTQCOC CHTTRLPFDepAxis Hz_U7p8[10] 4188 4		7261		
LHWTQCOr_ChTTraLPFDepAxis_Hz_u7p9[12]				
LHWTQCOC_CH1TraLPFDepAxis_Hz_U7p8[13]				
LHWTQCO_ChTTaLPFDepAxis_Hz_u7p9[13]				
LHWTQCOC_ChTTaLPFDepAxis_Hz_u7p9[14]				
HWTqCor_Ch1TralPFDepAxis_Hz_u7p9[15] 6518	_ , _ , _ , _ , _ , _ , _ , _ , _ , _ ,			
HwTqCor_Ch1TralPFDepAxis_Hv_Urp9[16] 1848 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[0] 13025 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[1] 1070 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[2] 250 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[3] 3362 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[4] 10918 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[6] 14379 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[6] 286 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[7] 9966 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[7] 9966 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[8] 4144 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[9] 19221 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[1] 3040 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[1] 3477 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[1] 3477 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[1] 3477 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[13] 3477 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[13] 3478 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[13] 3494 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[13] 3494 LWTqCor_Ch1TralPFIndAxis_HvNm_u6p10[15] 11740				
HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[0] 13025				
HwTqCor_Ch1TralPFindAxis_HwNm_u6p10[1] 1070				
LHWTQCO_Ch1TraLPFindAxis_HwNm_u6p10[2] 250				
HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[3] 3362 HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[4] 10918 14379 143				
LHWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]				
LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[6] 286 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[6] 286 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[7] 9956 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[8] 4144 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[9] 19221 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[10] 8170 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[11] 3040 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[12] 3477 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[13] 9980 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[13] 2494 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2494 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[15] 11740 LHWTQCO_Ch1TraLPFIndAxis_HwNm_u6p10[16] 7310 Larget_HwTQCorin_Per2_HwTqVal_HwNm_f32_value 7.89890003 Larget_HwTQCorin_Per2_HwTqVal_HwNm_f32_value 4.59740019 Larget_Rte_Call_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I_c 1200 Larget_Rte_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq2Val_HwNm_f32_target_Rtw_Inst_Sa_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_HwTqC				
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L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 3040 L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] 3477 L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 9980 L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2494 L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 11740 L_HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 7310 Larget_HwTQCorr_Ch2_HwTq1Val_HwNm_f32_value 4.59740019 Larget_HwTQCorr_N_Per2_HwTq1Val_HwNm_f32_value 4.59740019 Larget_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_icgon_target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 14882_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 14882_HwTqCorrln_Per2_HwTqVal_HwNm_f32 14882_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 101 1800000000000000000000000000000000	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	19221		
L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] L HWTQCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] L HWTQCor_Ch1LPFIndAxis_HwNm_u6p10[16] L HWTQCor_LhPFINDAxis_HwNm_u6p10[16] L HWTQCOr_LhPFINDAXi				
Part	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	3040		
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L HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] L HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] L HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] Larget_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value Larget_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value Larget_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Ig Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) Larget_HwTqCorrln_NxtrDiagMgr_SetNTCS	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	9980		
LHWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 7310	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2494		
-7.89890003 -4.59740019 -4.650750444 -4.5974019 -4.650750444 -4.5974019 -4.65075044 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504 -4.6507504	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11740		
A.59740019 A.5	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7310		
A.59740019 A.5	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-7.89890003		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1dptSig_Cnt_u08 Name Actual Value ##WTqCorr_Ch1LmtTqSum_HwNm_M_f32 ##WTqCor_Ch1LmtTqSum_HwNm_M_f32 ##WTqCor_Ch1TraFiitKSV_M_str.SV_UIs_f32 ##WTqCor_Ch1TraFiitKSV_M_str.K_UIs_f32 ##WTqCor_Ch1TraFiitKSV_M_str.K_UIs_f32 ##WTqCor_In_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cnt_T_enum #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cnt_T_enum #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cn	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.59740019		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1dptSig_Cnt_u08 Name Actual Value ##WTqCorr_Ch1LmtTqSum_HwNm_M_f32 ##WTqCor_Ch1LmtTqSum_HwNm_M_f32 ##WTqCor_Ch1TraFiitKSV_M_str.SV_UIs_f32 ##WTqCor_Ch1TraFiitKSV_M_str.K_UIs_f32 ##WTqCor_Ch1TraFiitKSV_M_str.K_UIs_f32 ##WTqCor_In_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cnt_T_enum #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cnt_T_enum #Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus_Cn	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive NTCActive Ptr T	lg 0		
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 Resultation HwTqCor_Ch1LmtTqSum_HwNm_M_f32 -1.6507499 -1.65075004 ± 0.000009 HwTqCor_Ch1TraFiitKSV_M_str.SV_Uls_f32 -2.6324592 -2.6324594 ± 0.000009 HwTqCor_Ch1TraFiitKSV_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(Status_Cnt_T_enum) 1 1 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 1			Nm_f32	
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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				
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				Roeu
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -2.6324592 -2.6324594 ± 0.000009 HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_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 1 Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 1			•	Nesu
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 1 Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 1	· - ·			
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	MWIYOU CIIIIAFIIINOV IVI SII.OV UIS 132			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 1 1 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 1		111.36919930	0.36919931/ ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 1	HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		*none*	
	HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101		
	HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	101	1	



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_Ch1AvI_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)		xtrDiagMgr_GetNTCActive_NTCActive_Ptr_T	lac
Rte_Inst_Sa_HwTqCorrln	target Rte Inst Sa HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.05790043		
k_HwTqCor_Ch1SSOpCIrFltThd_HwNm_f32	16.8188		
k HwTqCor Ch1SSOpSetFltThd HwNm f32	16.6541004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	4.79639101		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	3.95549989		
k_HwTqCor_Ch1TraSumOpSetFltThd_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			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Va		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Va		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldpt		
Name	Actual Value	Expected Value	Resul
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) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	101	101	•
	1	*none*	





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)	Innut Value		
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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	AL CHITCH II NITCH II DI T	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDia	gMgr_GetNTCActive_NTCActive_Ptr_T_	_igc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	11.4703999		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	0		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	16.2367001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.03677773		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	12.9104004		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	7.29580021		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	9251		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[1]	9392		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[2]	1456		
t_HwTqCor_Ch1Tral.PFDepAxis_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_Ch1Tral.PFDepAxis_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_		dec 500	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hwl	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_Hwl	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C		
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.6965499	2.69654989 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0.25253773	0.25253773 ± 0.00000009	
LIVET-O OF AT FINAN MARKET AND	0.36498547	0.364985466 ± 0.0000001	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	

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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	~

Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	0		
HwTqCor Ch1CMCFiltKSV M str.SV UIs 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_NxtrDiagl	Mar GetNTCActive NTCActive Ptr T lac	
Rte_Inst_Sa_HwTqCorrIn	target Rte Inst Sa HwTqCorrIn		
k HwTqCor Ch1CMCLPFOpLim HwNm f32	13.8241997		
k HwTqCor Ch1SSOpCIrFltThd HwNm f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.9858999		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.176936567		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	5.16800022		
k HwTqCor Ch1TraSumOpSetFltThd 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 HwTqCorrIn Per2 HwTq1Val HwNm f32.value	-4.02589989		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value	-6.7177		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	m f32	
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32	target HwTqCorrln Per2 HwTq2Val HwNr	_	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTqIdptSig Cnt u08	target_HwTqCorrln_Per2_HwTqldptSig_Cn	_	
Name	Actual Value	Expected Value	Resi
HwTqCor Ch1LmtTqSum HwNm M f32	0.17693657	0.176936567 ± 0.00000009	11031
HwTqCor_Ch1EntrqSum_HwNm_isi_s2 HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	2.9856381	2.98563862 ± 0.0000009	
11. 1400 _0.111	0.28678095	0.286780924 ± 0.000009	





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				V
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	~

Name	Input Value	
HwTqCor_Ch1AvI_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 HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn	
HwTqCor Ch1CMCLPFOpLim HwNm f32	13.4265003	
:_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	11.8431997	
C_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	14.1847	
HwTqCor_Ch1TqSumLim_HwNm_f32	0.0455783382	
c_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.21599996	
:_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	15.1051998	
HwTqCor Ch1TraLPFDepAxis Hz u7p9[0]	10043	
	8167	
	1302	
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911	
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662	
 _HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425	
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	11419	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2193	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3853	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	16190	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	4122	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	13052	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17227	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20179	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6136	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	16456	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	12196	
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993	
arget_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	-9.04139996	
arget_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.70940018	
arget_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_1		
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32	
arget_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	
Name	Actual Value Expected Value I	Res
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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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_Ch1AvI_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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.3156004		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	14.3016005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0.436300009		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	0.974566817		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	0		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_1	_lc 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNr	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	t_u08	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.97456682	-0.974566817 ± 0.00000009	

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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_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				V
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 2.58 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_I	gc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.4972		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.5747004		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.84961867		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	20		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-1.97780001		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.627799988		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqIdptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.3027999	-1.30280006 ± 0.000009	rtocuit
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_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cht_1_enum) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
- 1.10_0aii_0a_i iw i qootiii_iwaii Diagivigi_0eiiv i Ootatus(Falaiii_Oit_i_000)			
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	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 2.59 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	4.59350014		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	10.5586004		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	4.16720009		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.3728404		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.24600005		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	13.5761995		
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]	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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	lc 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_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_UIs_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	
	0	0	

Test Step Call Trace				V
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 2.60 (Repeat Count = 1) Name	Input Value		
	•		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-2.15219998		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32 HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-7.74510002		
, _ 0	0.219500005		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0	Ann Cathiro Adina NITO Antina Dia T	1
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/igr_Getin I Cactive_in I Cactive_Ptr_ I _	igc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	7.0374999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.3038998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	2.56949234		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	17.8479996		
k_HwTqCor_Ch1TraSumOpSetFltThd_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		
	9412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 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_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNn	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNn		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resu
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*	

Test Step Call Trace				V
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 2.61 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_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_NxtrDiag	pMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.4972		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32 k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.7902002 3.33859992		
	1.19561887		
k_HwTqCor_Ch1TqSumLim_HwNm_f32 k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	8.54300022		
k HwTqCor Ch1TraSumOpSetFltThd 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_Ch1Tral_PFIndAxis_HwNm_u6p10[15]	11196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] target HwTqCorrln Per2 HwTq1Val HwNm f32.value	8838 10		
	10 6.46390009		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrIn_Per2_HwTq1Val_HwN	lm f32	
target Rte Inst Sa HwTqCorrin.HwTqCorrin Per2 HwTq2Val HwNm f32	target_HwTqCorrln_Per2_HwTq2Val_HwN	_	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTqldptSig Cnt u08	target HwTqCorrln Per2 HwTqIdptSig Ci		
Name	Actual Value	Expected Value	Resul
HwTqCor Ch1LmtTqSum HwNm M f32	1.1956189	1.19561887 ± 0.000009	Nesul
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(NTC_Cnt_1_enum) 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	
0 4	11	1:	

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 2.62 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV UIs 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_NxtrD	iagMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	4.59350014		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	7.6473999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.7185001		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.79716301		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	7.42959976		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_Ch1Tral.PFlndAxis_HwNm_u6p10[12]	9177		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	13207		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	5935		
t_HwTqCor_Ch1Tral PFladAvia_HwNm_u6p10[15]	18465		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	9917 -4.1560998		
target HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value target HwTqCorrln Per2 HwTq2Val HwNm f32.value	-4.1560998 5.82749987		
target_nw1qCorrin_Perz_nw1qzvai_nwnm_f3z.value target_Rte_Call_Sa_hwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target HwTqCorrln Per2 HwTq1Val Hv	wNm f32	
target_Rte_inst_Sa_HwTqCorrin.HwTqCorrin_Per2_HwTqTvai_HwNm_132 target_Rte_inst_Sa_HwTqCorrin.HwTqCorrin_Per2_HwTq2Vai_HwNm_f32	target_HwTqCorrin_Per2_HwTq1Val_Hv	_	
target_Rte_Inst_Sa_HwTqCorlin.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_		
			Boor.l4
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.9917998	-4.99179983 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-4.2835159 0.16337854	-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* *none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	
targot_riwirqoomii_r ciz_riwirqiuptoig_ont_uvo.value			



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_Ch1AvI_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_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		iagMgr_GetNTCActive_NTCActive_Ptr_T	lac
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	7.81899977		
k_HwTqCor_Ch1SSOpCIrFltThd_HwNm_f32	10.6080999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	7.37989998		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.31948328		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	16.2206993		
k_HwTqCor_Ch1TraSumOpSetFltThd_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_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-6.63070011		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	2.51799989		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T		whim 622	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hv	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_Hv		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_		la.
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.3194833	-3.31948328 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-15.499378	-15.4993782 ± 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*	

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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 Case 3: Path Test

Specification

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

CPU Cycles:

TS3.1 2111.00 Cycles TS3.2 1687.00 Cycles

Description

Vector Description:

 $TS3.1(Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = Zero \\ TS3.2(Ch1AbsSSDiagFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32) = False || (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = False \\ TS3.2(Ch1AbsSSDiagFiltOut_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_T_f32 >= k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32) = True|| (Ch1AbsSumFiltOut_HwNm_f32) =$

Test Step 3.1 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
HwTqCor_Ch1AvI_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_UIs_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 HwTqCorrin	target Rte Inst Sa HwTgCorrin
k HwTqCor Ch1CMCLPFOpLim HwNm f32	17.3047009
k HwTqCor Ch1SSOpClrFltThd HwNm f32	17.3047009
k HwTqCor Ch1SSOpSetFltThd HwNm f32	9.05790043
k_HwTqCor_Ch1TqSumLim_HwNm_f32	3.1342001
k HwTqCor Ch1TraSumOpClrFltThd HwNm f32	10.9485998
k HwTqCor Ch1TraSumOpSetFltThd 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_nwrqcor_cnrnal_rpepaxis_nz_urps[o] t_HwTqCor_Ch1Tral_PFDepAxis_Hz_urps[r]	5766
_ , _ , _ , _ , _ , _ , _ , _ , _ , _ ,	8423
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	
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_lg	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_HwTqIdptSig_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				V
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_Ch1AvI_Cnt_M_Igc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-13.3660002
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.00510000018
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	1.64189994
lwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.449999988
te_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_ار	gc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn
_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.3047009
_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	17.3047009
_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	9.05790043
c_HwTqCor_Ch1TqSumLim_HwNm_f32	3.1342001
c_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	10.9485998
 K_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	16.4972
HwTqCor Ch1TraLPFDepAxis Hz u7p9[0]	7132
HwTqCor Ch1TraLPFDepAxis Hz u7p9[1]	5664
HwTqCor Ch1TraLPFDepAxis Hz u7p9[2]	4831
HwTqCor Ch1TraLPFDepAxis Hz u7p9[3]	2876
HwTqCor Ch1TraLPFDepAxis Hz u7p9[4]	8366
HwTqCor Ch1TraLPFDepAxis Hz u7p9[5]	5471
HwTqCor Ch1TraLPFDepAxis Hz u7p9[6]	7299
HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	5766
HwTqCor Ch1TraLPFDepAxis Hz u7p9[8]	8423
HwTqCor Ch1TraLPFDepAxis Hz u7p9[9]	10201
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3694
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2515
	3810
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	4018
_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[13]	
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9284
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2472
_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3699
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	16731
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030
_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619

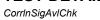
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Name	Input Value		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	4945		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7398		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.70559978		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	10		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	Ic O		
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_Cn	t_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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~

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Project	HwTqCorrln_2
Module	HwTqCorrln
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\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrln_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)\HwTqCorrln_2TqADAS\src\Sa_HwTqCorrln.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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	

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Module 'HwTqCorrln'

Name of Tester: Priyanka Shitole
Code File(s) Under Test:Sa_HwTqCorrln.c
Code File(s) Under Test:Sa_HwTqCorrln_MDD.doc
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): 4330
Total RAM Used (Bytes): 44
Total CALS Used (Bytes): 416
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 refernce.

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_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



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
CorrlnSigAvlChk()	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	255		
MaxStall_Cnt_T_u08	255	255		
SigQlfr_Cnt_T_enum	2	2		
SigRollg_Cnt_T_u08	255			
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u0	target_StallCntOutp_Cnt_T_u08		
target_StallCntOutp_Cnt_T_u08	255	255		
Name	Actual Value	Expected Value	Result	
CorrInSigAvlChk()	0	0	~	
target_StallCntOutp_Cnt_T_u08	255	255	✓	





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
CorrlnSigAvlChk()	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
CorrlnSigAvlChk()	1	1	~
target_StallCntOutp_Cnt_T_u08	0	0	•

Test Step Call Trace					V
	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_u0	8	
target_StallCntOutp_Cnt_T_u08	18		
Name	Actual Value	Expected Value	Result
CorrlnSigAvlChk()	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

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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
CorrlnSigAvlChk()	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
CorrlnSigAvlChk()	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	~

Name	Input Value		
	iliput 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_u0	8	
target_StallCntOutp_Cnt_T_u08	24		
Name	Actual Value	Expected Value	Result
CorrInSigAvIChk()	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_u0	8	
target_StallCntOutp_Cnt_T_u08	12		
Name	Actual Value	Expected Value	Result
CorrInSigAvIChk()	1	1	•
target StallCntOutn Cnt T u08	0	0	•

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



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
CorrlnSigAvlChk()	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_u0	8	
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_u	08	
target_StallCntOutp_Cnt_T_u08	25		
Name	Actual Value	Expected Value	Result
CorrlnSigAvlChk()	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 1.13 (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
CorrlnSigAvlChk()	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	3	
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				V
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_u0	8	
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_u	08	
target_StallCntOutp_Cnt_T_u08	25		
Name	Actual Value	Expected Value	Result
CorrInSigAvIChk()	0	0	•

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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
CorrlnSigAvlChk()	1	1	~
target_StallCntOutp_Cnt_T_u08	0	0	~

Test Step Call Trace			V	
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_u0	8	
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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 1.19 (Repeat Count = 1) Name	Immus Value		
	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_u0	8	
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	~





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
CorrlnSigAvlChk()	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

Specification

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

CPU Cycles:

TS1.1 95.00 Cycles TS1.2 127.00 Cycles

Description

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
CorrlnSigAvlChk()	0	0	~
target_StallCntOutp_Cnt_T_u08	0	0	v

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		
Name	iliput 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_u0	8	
target_StallCntOutp_Cnt_T_u08	255		
Name	Actual Value	Expected Value	Result
CorrInSigAvIChk()	1	1	✓
target StallCntOutp Cnt T u08	13	13	•

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

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HwTqCorrln_Init1

 Project
 HwTqCorrln_2

 Module
 HwTqCorrln

 Test Object
 HwTqCorrln_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\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP
Configuration File	D:\Synergy_Work_Area\HwTqCorrln_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)\HwTqCorrln_2TqADAS\src\Sa_HwTqCorrln.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$ (ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Sp	ecification
Name	Text
Module 'HwTqCorrin'	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-HwTqCorrln_MDD.doc Module Design Document Version: 1 Data Dictionary Version: 2 Unit Test Plan Version: 2 Unit Test Plan Version: 2 Optimization Level:Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes): 1330 Total FLASH 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 refernce. 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	

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Attributes				
Name	Value			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
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: Range Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment) $\,$

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
TS1.5 979.00 Cycles
TS1.6 979.00 Cycles
TS1.7 979.00 Cycles
TS1.9 979.00 Cycles
TS1.9 979.00 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
TS1.15 979.00 Cycles
TS1.15 979.00 Cycles
TS1.16 979.00 Cycles
TS1.16 979.00 Cycles
TS1.17 979.00 Cycles
TS1.19 979.00 Cycles
TS1.19 979.00 Cycles
TS1.21 979.00 Cycles
TS1.21 979.00 Cycles
TS1.22 979.00 Cycles
TS1.23 979.00 Cycles
TS1.24 979.00 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_HwTqCorrlnCh1CMCLPFSvData==>Min TS1.4Rte_Pim_HwTqCorrlnCh1CMCLPFSvData==>Max TS1.5Rte_Pim_HwTqCorrlnCh1CMCLPFSvData==>Pos IS1.5Rte_Pim_Hw1qCorrInCh1CMCLPFSvData==>Pos
TS1.6Rte_Pim_HwTqCorrInCh1CMCLPFSvData==>Zero
TS1.7Rte_Pim_HwTqCorrInCh1CMCLPFSvData==>Neg
TS1.8k_HwTqCor_Ch1CMCLPFEc_Hz_f32==>Min
TS1.9k_HwTqCor_Ch1CMCLPFFc_Hz_f32==>Max
TS1.10k_HwTqCor_Ch1CMCLPFFc_Hz_f32==>Pos/Default
TS1.11k_HwTqCor_Ch1SSLPFFc_Hz_f32==>Max
TS1.13k_HwTqCor_Ch1SSLPFFc_Hz_f32==>Pos/Default
TS1.14HwTqCor_Ch1SSLPFFc_Hz_f32==>Pos/Default
TS1.15WTqCor_Ch1SSLPFFc_Hz_f32==>Pos/Default
TS1.15WTqCor_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==>Pos
TS1.17HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Neg
TS1.19HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Neg
TS1.19HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Min
TS1.20HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Min
TS1.21HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.22HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.22HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SFiltKSV_M_str.SV==>Pos
TS1.26HwTqCor_Ch1SFiltKSV_M_str.SV==>Neg
TS1.27HwTqCor_Ch1SFiltKSV_M_str.SV==>Neg
TS1.28HwTqCor_Ch1SFiltKSV_M_str.K==>Min
TS1.28HwTqCor_Ch1SFiltKSV_M_str.K==>Neg
TS1.28HwTqCor_Ch1SFiltKSV_M_str.K==>Neg
TS1.28HwTqCor_Ch1SFiltKSV_M_str.K==>Neg
TS1.29HwTqCor_Ch1SFiltKSV_M_str.K==>Pos TS1.6Rte_Pim_HwTqCorrlnCh1CMCLPFSvData==>Zero

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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCo	orrin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	0		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-20		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh10	CMCLPFSvData	
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 ± 0.000001	✓
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 1.2 (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_HwTqCo	rrin	
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_HwTqCorrlnCh10	CMCLPFSvData	
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_HwTqCor	rin	
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_HwTqCorrlnCh1Cl	MCLPFSvData	
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_HwTqCorr	rln	
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_HwTqCorrlnCh1CM	MCLPFSvData	
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	✓



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_HwTqC	Corrin	
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_HwTqCorrlnCh1	ICMCLPFSvData	
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_HwTqC	corrin	
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_HwTqCorrlnCh1	CMCLPFSvData	
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	0.9999988	0.99999881 ± 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	~		

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_HwTqCor	rln	
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_HwTqCorrlnCh1Cl	MCLPFSvData	
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	

HwTqCorrln_Init1

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Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99997962	0.999979615 ± 0.0000001	✓
HwTaCor Ch1TraFiltKSV/ M etr SV/ Llle f32	0	0 + 0 000000	

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

Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCo	orrin	
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_HwTqCorrlnCh10	CMCLPFSvData	
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_HwTqC	orrin	
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_HwTqCorrlnCh1	CMCLPFSvData	
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 ***				~	



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_HwTqCo	orrin	
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_HwTqCorrlnCh10	CMCLPFSvData	
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_HwTq	Corrin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.1197996		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh	1CMCLPFSvData	
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_HwTqCor	rin	
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_HwTqCorrlnCh1C	MCLPFSvData	
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 ***				~	



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_HwTqCorrlnCh1CMCLPFSvE	Pata	
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	0.9999785	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_HwTqCor	rln	
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_HwTqCorrlnCh1Cl	MCLPFSvData	
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				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_HwTqCo	rrin	
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_HwTqCorrlnCh1C	MCLPFSvData	
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	0.9999988	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	Resul	1
none	0	*** No Call Expected ***	0	•	ř

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_HwTqCo	orrin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	17.1921005		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.35400009		
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh10	CMCLPFSvData	
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_HwTqC	CorrIn	
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_HwTqCorrlnCh1	1CMCLPFSvData	
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	~	

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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCor	rin	
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_HwTqCorrlnCh1Cl	MCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	4.25	4.25 ± 0.000009	~
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	~
HwTgCor 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	0.9999988	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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCor	rrIn	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.934		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	17.1921005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.54999995		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCorrln	target_Rte_Inst_Sa_HwTqC	forrin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	20.7700005		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	6.28398991		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1	CMCLPFSvData	
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	~



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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCo	orrin	
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_HwTqCorrlnCh10	CMCLPFSvData	
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_HwTqCo	orrin	
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_HwTqCorrlnCh10	CMCLPFSvData	
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				V
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_HwTqC	orrIn	
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_HwTqCorrlnCh1	CMCLPFSvData	
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	0.9999946	0.99999464 ± 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 1.24 (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_HwTq0	CorrIn	
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_HwTqCorrlnCh	1CMCLPFSvData	
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	0.9999988	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_HwTqCor	rin	
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_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCoi	rrIn	
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_HwTqCorrlnCh1C	MCLPFSvData	
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 Step Call Trace			V	
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_HwTqC	forrin	
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_HwTqCorrlnCh1	CMCLPFSvData	
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_HwTqC	orrln	
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_HwTqCorrlnCh1	CMCLPFSvData	
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	0.9999988	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	~

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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorr	ln	
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_HwTqCorrlnCh1CM	MCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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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HwTqCorrln_Init1

Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.9999785	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	~

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HwTqCorrln_Per3

 Project
 HwTqCorrln_2

 Module
 HwTqCorrln

 Test Object
 HwTqCorrln_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\HwTqCorrln_2TqADAS_ES057C_2.0.0_0_NoUTP	
Configuration File	D:\Synergy_Work_Area\HwTqCorrln_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)\HwTqCorrln_2TqADAS\src\Sa_HwTqCorrln.c	
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -Dconst= -I\$(PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\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)\HwTqCorrln_2TqADAS\utp\contract\Sa_HwTqCorrln -I\$ (PROJECTROOT)\HwTqCorrln_2TqADAS\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$ (ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include	

Comments/Description/Spe	ecification
Name	Text

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Module 'HwTqCorrln'

Name of Tester: Priyanka Shitole
Code File(s) Under Test:Sa_HwTqCorrln.c
Code File(s) Under Test:Sa_HwTqCorrln_MDD.doc
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): 4330
Total RAM Used (Bytes): 44
Total CALS Used (Bytes): 416
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 refernce.

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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>			
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)

TS1.1 1024.00 Cycles TS1.2 2410.00 Cycles

Description Vector Description:

 $TS1.1"Shortest Execution Path: \\ HwTqCor_Ch1SSLimDiagFiltOut_HwNm_T_f32 = Limit_m(Ch1SSDiagFiltOut_HwNm_T_f32, -(k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32 + D_SSLPFDELTALIM_HWNM_F32), (k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32 + D_SSLPFDELTALIM_HWNM_F32))==>True, \\ (Abs_f32_m(HwTqVal_HwNm_T_f32) < k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32)==>True" \\ TS1.2"Longest Execution Path: \\ HwTqCor_Ch1SSLimDiagFiltOut_HwNm_T_f32 = Limit_m(Ch1SSDiagFiltOut_HwNm_T_f32, -(k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32 + D_SSLPFDELTALIM_HWNM_F32)) ==>False, \\ (Abs_f32_m(HwTqVal_HwNm_T_f32) < k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32) ==>False" \\ \end{aligned}$

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_Ch1SSOpSetFltThd_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_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	a .	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	12.4587002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	10.6419001	10.6419001	
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.51609993		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.59880018	6.59880018	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqV	al_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCl	LPFSvData	
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 HwTqCorrlnCh1CMCLPFSvData	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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	~





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 TS2.5 2340.00 Cycles TS2.7 2340.00 Cycles TS2.8 2340.00 Cycles TS2.8 2340.00 Cycles TS2.10 2340.00 Cycles TS2.11 2340.00 Cycles TS2.11 2340.00 Cycles TS2.12 2340.00 Cycles TS2.13 2332.00 Cycles TS2.14 2379.00 Cycles TS2.13 2379.00 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 TS2.18 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 TS2.25 2340.00 Cycles TS2.26 2359.00 Cycles TS2.27 2332.00 Cycles TS2.28 2332.00 Cycles TS2.30 2358.00 Cycles TS2.31 2341.00 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 Cvcles TS2.39 2358.00 Cycles

Description

Vector Description:

TS2.2All Max

TS2.2All Max
TS2.3HWTqVal_HwNm_f32==>Min
TS2.4HwTqVal_HwNm_f32==>Max
TS2.5HwTqVal_HwNm_f32==>Pos
TS2.5HwTqVal_HwNm_f32==>Pos
TS2.6HwTqVal_HwNm_f32==>Neg
TS2.8HwTqVal_HwNm_f32==>Neg
TS2.8HwTqCor_Ch1TraFiltKSV_M_str.SV==>Min
TS2.9HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.10HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.11HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
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=>Pos

TS2.16HW1qCor_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_Ch1SSOpSetFltThd_HwNm_f32==>Min
TS2.22k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32==>Max

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==>Pos
TS2.31HwTqCor_Ch1I_mtTqSum_HwNm_M_f32==>Nea

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_HwTqCorrIn



HwTqCorrln_Per3			Razoncat
Name	Input Value		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-10		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-20		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNn	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
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_HwTqCorrlnCh1CMCLPFSvData	-20	-20 ± 0.00009	✓

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

Test Step 2.2 (Repeat Count = 1)			V
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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCoi	rin	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	20		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	10		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	20		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_Hw	TqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCorrlnCh1CMCLPFSvData	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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrl	n	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	13.1395998		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	8.68519974		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-10		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	7.92080021		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTo	qVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM	CLPFSvData	
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 HwTgCorrlnCh1CMCLPFSvData	-10.92408	-10.9240799 ± 0.00009	•





Test Step Call Trace				V
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_UIs_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_Ch1SSOpSetFltThd_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_HwTqCorrlnCh1CMCLPF	-SvData	
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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	4.08850002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	19.2348003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	4.15100002		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	3.58389997		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
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				V
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•



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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.33949995		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDat	a	
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				v
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_Ch1SSOpSetFltThd_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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDat	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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	



HwTqCorrln_F	er3'
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Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.4225006		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.97849989		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	7.92080021		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-5.70749998		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
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_HwTqCorrlnCh1CMCLPFSvData	9.0576077	9.05760765 ± 0.000009	•

Test Step Call Trace				V
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 2.9 (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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCo	rin	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	3.75410008		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	19.9566994		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-1.72140002		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	2.64779997		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_Hw	TqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCorrlnCh1CMCLPFSvData	-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 HwTgCorrin HwTgCorrinCh1CMCLPFSvBlk SetRamBlockS	1	Rte Call Sa HwTgCorrln HwTgCorrlnCh1CMCLPFSvBlk SetRamBlockStatus	1	_



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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.52759981		
k_HwTqCor_Ch1SSOpSetFltThd_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	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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				V
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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.5897999		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLP	FSvData	
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	





Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	1.19260001		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	17.8330002		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	6.59880018		
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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
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_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	•	

Test Step 2.13 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCor	rin	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	12.2038002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	9.54679966		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-5.70749998		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	1.57439995		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_Hw	ΓqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorr	·In	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0.148499995		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.7645998		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	2.64779997		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-4.0078001		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwT	qVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM	MCLPFSvData	
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 UIs f32	11.10752	11.1075201 ± 0.00009	✓

HwTqCorrln_Per3



Name	Actual Value	Expected Value	Result
target Pim HwTgCorrlnCh1CMCLPFSvData	-4.0078001	-4.0078001 ± 0.000009	✓

Test Step Call Trace				V
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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	6.20839977		
k_HwTqCor_Ch1SSOpSetFltThd_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_Hwf	lm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvl	Data	
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	•	

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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0.989799976		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqVa	ıl_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCL	PFSvData	
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 HwTgCorrlnCh1CMCLPFSvData	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	•





Test Step 2.17 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	5.37300014		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqCorrlnCh1CMCLPFSvDat	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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	~

Name	Input Value		
HwTqCor Ch1CMCFiltKSV M str.SV UIs f32	-5.51999998		
HwTqCor Ch1CMCFiltKSV M str.K UIs 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_HwTqCorrlr	1	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	6.20839977		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTq	Val_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM0	CLPFSvData	
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 HwTgCorrlnCh1CMCLPFSvData	-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_UIs_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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Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	2.43449998		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0.0997999981		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-4.0078001		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.861400008		
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_HwTqCorrlnCh1CMCLPFSvDa	ıta	
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	1.1999998	1.20000005 ± 0.000009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.86140001	-0.861400008 ± 0.00000009	~

Test Step Call Trace				V
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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0.496800005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	9.47869968		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.95529985		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.532999992		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDate	a	
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_HwTqCorrlnCh1CMCLPFSvData	-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	✓	

Name	Input Value			
HwTqCor Ch1CMCFiltKSV M str.SV UIs f32	-18.757			
HwTqCor Ch1CMCFiltKSV M str.K Uls f32	0.125799999			
HwTqCor Ch1LmtTqSum HwNm M f32	-8.5934			
HwTqCor Ch1SSFiltKSV M str.SV UIs f32	-14.4239998			
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.528900027			
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-14.4239998			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln	target Rte Inst Sa HwTgCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	13.2762003			
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	0			
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-8.5934			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.25740004			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVa	al_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCL	PFSvData		
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 HwTqCorrlnCh1CMCLPFSvData	-17.478418	-17.4784184 ± 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 2.22 (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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	10.4765997		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ıta	
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_HwTqCorrl	n	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	15.9466		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTc	ηVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM	CLPFSvData	
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 ± 0.000009	•
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-6.9954481	-6.99544621 ± 0.000009	✓
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	•	



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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	0		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.9540997		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	6.16270018		
target_Pim_HwTqCorrInCh1CMCLPFSvData	-7.12440014		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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 ± 0.000009	•

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)			V
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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_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_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	ı	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.1716232	-8.17162323 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-3.8333898	-3.83339 ± 0.000009	•
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-3.8333898	-3.83339 ± 0.000009	•
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.1716232	-8.17162323 ± 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 2.26 (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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Name	Input Value		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.7021008		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.07530022		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-9.40839958		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-7.09679985		
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_HwTqCorrlnCh1CMCLPFSvDa	ta	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCor	rin	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	8.52390003		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	10.3334999		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-7.79930019		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-0.0465999991		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_Hw1	ΓqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1Cl	MCLPFSvData	
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 HwTqCorrlnCh1CMCLPFSvData	-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	✓	
$Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS$	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.83260012		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	10.7391005		
target_HwTqCorrIn_Per3_HwTqVal_HwNm_f32.value	-0.861400008		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-1.24450004		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVa	al_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCl	_PFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1CMCFiltKSV M str.SV Uls f32	-1.688508	-1.68850803 ± 0.000009	-



HwTqCorrln_Per3		Ra Sta	ZOrcat
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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	8.95670033		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqCorrlnCh1CMCLPFSvDat	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrlnCh1CMCLPFSvData	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	~
$Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS$	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorr	rln	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.83260012		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	10.7391005		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-0.861400008		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-1.24450004		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwT	qVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM	MCLPFSvData	
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_HwTqCorrlnCh1CMCLPFSvData	-5.018508	-5.01850796 ± 0.000009	✓



Test Step Call Trace				V
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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	8.95670033		
k_HwTqCor_Ch1SSOpSetFltThd_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_HwTqCorrlnCh1CMCLPFSvDate	ta	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	1.87119997		
k_HwTqCor_Ch1SSOpSetFltThd_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_H	wNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFS	SvData	
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	•



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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	11.9547005		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.45870018		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.92869997		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	1.57439995		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_	_f32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	a	
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_HwTqCorrlnCh1CMCLPFSvData	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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.1606007		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.5452003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	6.80620003		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-4.0078001		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	a .	
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_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 2.35 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	0
HwTqCor_Ch1CMCFiltKSV_M_str.K_UIs_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



Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.7053003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-7.12440014		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-6.95529985		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNn	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCo	rrIn	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	4.73999977		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	13.6535997		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.46729994		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-8.5934		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_Hw	TqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	MCLPFSvData	
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_HwTqCorrlnCh1CMCLPFSvData	-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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorr	·In	
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	19.1606007		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	12.5452003		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	6.80620003		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-4.0078001		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwT	qVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CM	MCLPFSvData	
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	✓





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_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	14.2279997		
k_HwTqCor_Ch1SSOpSetFltThd_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	ı	
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_Ch1SSOpSetFltThd_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_H	target_HwTqCorrln_Per3_HwTqVal_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPF	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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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	~	