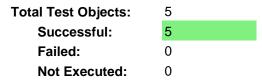
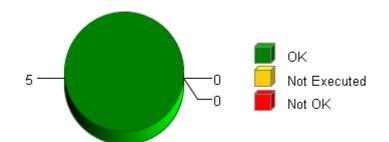


Summary

Overall Test Object Results (including Coverage)



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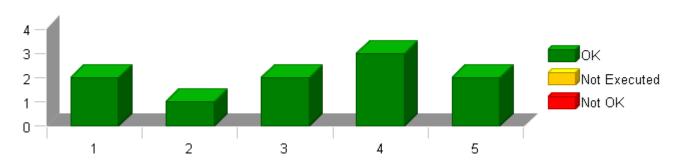
Selected Project Items

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)

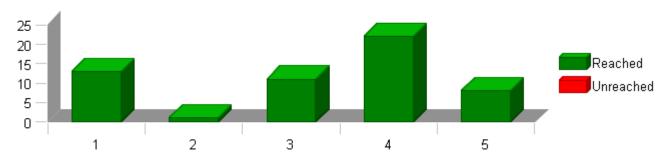
Test Case Results for Each Test Object (without Coverage)



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).

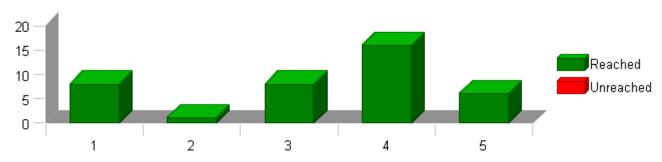


Statement (C0) Coverage: Total Statements for Each Test Object



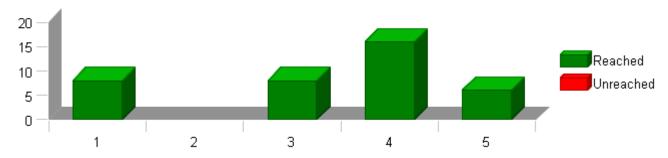
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

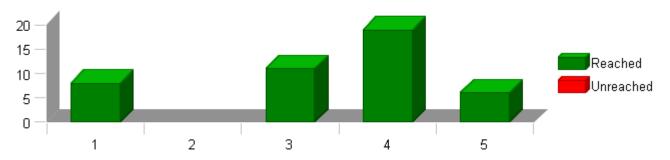


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



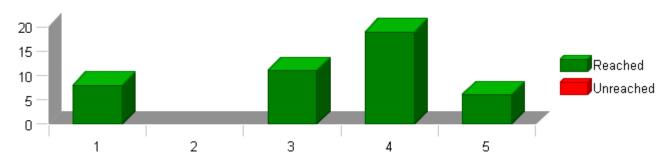
MC/DC Coverage: Total Condition Combinations for Each Test Object



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	CO	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>CorrlnSigAvlChk</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_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	on/Specification
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 RAM Used (Bytes): 144 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 \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj					
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src				

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Attributes					
Name	Value				
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd				
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl				
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>				
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
TS1.22HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.22HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.23HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.25HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.26HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos
TS1.26HwTqCor_Ch1SSFiltKSV_M_str.SV==>Neg
TS1.27HwTqCor_Ch1SSFiltKSV_M_str.SV==>Neg
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.SV==>Neg
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.K==>Min
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.K==>Neg
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.K==>Neg
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.K==>Neg
TS1.28HwTqCor_Ch1SSFiltKSV_M_str.K==>Neg 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	0		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20	-20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0			
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCoi	rrIn		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	0	0		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0			
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-20			
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	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	0 ± 0.0000001	~	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0	0 ± 0.0000001	~	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	✓	

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



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	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				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	Resul	1
none	0	*** No Call Expected ***	0	•	ř

Test Step 1.5 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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	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	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	~	

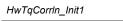
Test Step 1.6 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.880200028		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9.22200012		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.913550019		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqC	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_UIs_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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCoi	rrIn	
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_HwTqCorrlnCh1C	MCLPFSvData	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-4.25	-4.25 ± 0.000009	
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99992853	0.999928534 ± 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	0.99997962	0.999979615 ± 0.0000001	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~

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

Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_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_HwTqCorr	rln	
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_HwTqCorrlnCh1CM	MCLPFSvData	
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	~

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_HwTqCo	rrIn	
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_HwTqCorrlnCh1C	MCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	3.24	3.24000001 ± 0.000009	~
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1	1 ± 0.0000001	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99907595	0.999076009 ± 0.0000001	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~

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



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_HwTq0	CorrIn	
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_HwTqCorrlnCh	1CMCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqC	corrin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.1197996		
k_HwTqCor_Ch1SSLPFFc_Hz_f32	0		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	4.25		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_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	0.99907595	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 ***	0	~	



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	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 1.15 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.00680000009		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	3.24000001		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.480800003		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorr	In .	
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_HwTqCorrlnCh1CM	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	0.99999881 ± 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 1.16 (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_UIs_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_HwTqCor	rin		
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	11.1197996	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	~	
HwTqCor Ch1SSFiltKSV M str.SV Uls f32	0	0 ± 0.000009		

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Name	Actual Value	Expected Value	Result
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.9999988	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	~	

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_HwTqCo	rrin	
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_HwTqCorrlnCh1C	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	0.99999785	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_HwTqCorrln	target_Rte_Inst_Sa_HwTqC	orrln	
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_HwTqCorrlnCh1	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_HwTq0	Corrin	
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_HwTqCorrlnCh	1CMCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.2220001	9.22200012 ± 0.000009	~
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.99274421	0.992744207 ± 0.0000001	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99944597	0.999445975 ± 0.0000001	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~

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

Test Step 1.23 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	8.25		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.774119973		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.313600004		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTq0	CorrIn	
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_HwTqCorrlnCh	1CMCLPFSvData	
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	0.999999464 ± 0.0000001	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.99999785	0.999997854 ± 0.0000001	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000009	~

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



Test 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_HwTqCorrIn		
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_HwTqCorrlnCh1CMCLPFS	SvData	
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	0.99999881 ± 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			•	•	
Actual Function	Count	Expected Function	Count	Resul	1
none	0	*** No Call Expected ***	0	•	ř

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_HwTqCo	orrin	
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_UIs_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_HwTqCor	rin	
k_HwTqCor_Ch1CMCLPFFc_Hz_f32	17.1921005	17.1921005	
k_HwTqCor_Ch1SSLPFFc_Hz_f32	20.7700005		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.35400009		
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1C	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	✓
HwTgCor 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_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/Spe	ecification
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	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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\HwTgCorrln 2TgADAS 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
TS2.7 1723.00 Cycles
TS2.8 1705.00 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 12093.00 Cycles
TS2.23 12093.00 Cycles
TS2.31 2093.00 Cycles
TS2.32 1212.00 Cycles
TS2.33 1704.00 Cycles
TS2.35 2093.00 Cycles
TS2.36 1698.00 Cycles
TS2.37 1710.00 Cycles
TS2.38 1688.00 Cycles
TS2.39 1694.00 Cycles
TS2.40 1705.00 Cycles
TS2.41 2111.00 Cycles
TS2.42 2137.00 Cycles
TS2.43 2143.00 Cycles
TS2.43 2143.00 Cycles
TS2.44 1710.00 Cycles
TS2.45 1704.00 Cycles
TS2.46 2143.00 Cycles
TS2.47 1710.00 Cycles
TS2.48 111.00 Cycles
TS2.49 2100.00 Cycles
TS2.49 2100.00 Cycles
TS2.45 1694.00 Cycles
TS2.55 1687.00 Cycles
TS2.55 1687.00 Cycles
TS2.55 1687.00 Cycles
TS2.55 1688.00 Cycles
TS2.56 1688.00 Cycles
TS2.57 1700.00 Cycles
TS2.58 1694.00 Cycles
TS2.58 1694.00 Cycles
TS2.59 2111.00 Cycles
TS2.56 1688.00 Cycles
TS2.57 1694.00 Cycles
TS2.58 1694.00 Cycles
TS2.58 1694.00 Cycles
TS2.59 2111.00 Cycles
TS2.61 2093.00 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_Ch1TraLPFDepAxis_Hz_u7p9[17]==>Pos
TS2.27HwTqCor_Ch1TraFiltKSV_M_str.SV==>Min
TS2.28HwTqCor_Ch1TraFiltKSV_M_str.SV==>Max
TS2.28HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.30HwTqCor_Ch1TraFiltKSV_M_str.SV=>>Pos
TS2.31HwTqCor_Ch1TraFiltKSV_M_str.SV=>>Neg
TS2.32HwTqCor_Ch1TraFiltKSV_M_str.K=>Min
TS2.33HwTqCor_Ch1TraFiltKSV_M_str.K=>Max
TS2.33HwTqCor_Ch1TraFiltKSV_M_str.K=>Pos
TS2.35HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Min
TS2.36HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Max
TS2.37HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Max
TS2.37HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Pos
TS2.38HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Pos
TS2.38HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Pos
TS2.38HwTqCor_Ch1CMCFiltKSV_M_str.SV=>>Pos
   TS2.38HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Zero
TS2.39HwTqCor_Ch1CMCFiltKSV_M_str.SV==>Neg
TS2.40k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32==>Min
 TS2.40k_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_HwTqCorrln
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 HwTgCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln 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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrln
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

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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	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 Cn		
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	0	0 ± 0.000009	-
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	7.7932215	7.7932229 ± 0.000009	✓
HwTqCor Ch1TraFiltKSV M str.K Uls f32	0.61033893	0.610338867 ± 0.0000001	-
Rte_Call_Sa_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 2.3 (Repeat Count = 1)	✓
Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrln
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

HwTqCorrln_Per2

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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 3027 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13] $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]$ 2124 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15] 5411 t HwTqCor Ch1TraLPFDepAxis Hz u7p9[16] 9509 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0] 13151 5864 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[1] $t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]$ 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 Ic 0 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target Rte Inst Sa HwTgCorrln.HwTgCorrln Per2 HwTg2Val HwNm f32 target HwTqCorrln Per2 HwTq2Val HwNm f32 $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08$ target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08

target_nw1qComin_Per2_nw1qidptSig_Cnt_uoo.value		2 2		
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

Actual Value

-6.2355633

-14.017807

0.28678095

101

1

Expected Value

101

1

-6.23556328 ± 0.000009

0.286780924 ± 0.0000001

-14.017808 ± 0.00009

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

HwTqCor_Ch1LmtTqSum_HwNm_M_f32

HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32

Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive

 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)

 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

HwTgCor Ch1TraFiltKSV M str.K Uls f32

Result

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Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	6552		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	2969		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	11569		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	10127		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6824		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	5227		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	9564		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2972		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	223		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9652		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4034		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	11961		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	13161		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	19686		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19915		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	5086		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	13633		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.38849998		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	lg 0		
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_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.63829106	0.638291061 ± 0.00000009	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.7415658	-1.74156606 ± 0.000009	~
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38919938	0.389199317 ± 0.0000001	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	2	2	✓

Test Step Call Trace				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 NytrDiagMgr GetNTCActive	1	Rte Call Sa HwTgCorrln NytrDiagMgr GetNTCActive	1	-

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_HwTqCorrIn
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.9852009
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	16.9852009
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.0325003
k_HwTqCor_Ch1TqSumLim_HwNm_f32	8.55192661
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.56489992
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	11.4703999

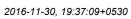
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Name	Input Value		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	2924		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4923		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	788		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[3]	7114		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[4]	3241		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[5]	5661		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[6]	2304		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2970		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	9391		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[9]	2805		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[10]	7478		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[11]	4831		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[12]	4645		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[13]	6526		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2665		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[15]	4616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	4592		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[0]	14265		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[1]	11327		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[2]	9663		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[3]	5752		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[4]	16731		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[5]	10942		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[6]	14598		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[7]	11532		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[9]	20403		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10]	7389		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[11]	5030		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[12]	7619		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13]	8037		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18569		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[15]	4945		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16]	7398		
target_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 HwNr	n f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq2Val HwNm f32	target HwTqCorrin Per2 HwTq2Val HwNr	n f32	
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTqIdptSig Cnt u08	target HwTqCorrIn Per2 HwTqIdptSig Cn	_	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	3.7909501	3.79095006 ± 0.000009	-
HwTqCor Ch1TraFiltKSV M str.SV UIs f32	-3.084085	-3.08408523 ± 0.000009	•
HwTqCor Ch1TraFiltKSV M str.K UIs 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	-
0 _ 1 1 1 1 1 1 1 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_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_lgc	1
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.14999962
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.96729994
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.72130013
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-19.3600006
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.245000005
Rte_Call_Sa_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
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





K. HWTGOC_Ch17TraLPFDepAns_Hz_U798()	Name	Input Value		
LHNTQCOC_CNTTRLPFDepAsis_Hz_U7p6[2] 1456	k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	13.8241997		
L HWTGOC CHITRALPFDepAsis Hz_U79612 L HWTGOC CHITRALPFDepAsis Hz_U7962 L HWTGOC CHITRALPFDepAsis Hz_U7963 L HWTGOC CHITRALPFDepAsis Hz_U79610 L HWTGOC CHITRALPFDepAsis Hz_U79611 L HWTGOC CHITRALPFDepAsis Hz_U79611 L HWTGOC CHITRALPFDepAsis Hz_U79611 L HWTGOC CHITRALPFDepAsis Hz_U79613 L HWTGOC CHITRALPFDepAsis Hz_U79613 L HWTGOC CHITRALPFDepAsis Hz_U79614 TWTGOC CHITRALPFDepAsis Hz_U79616 L HWTGOC CHITRALPFDEASis HWM _U60101 L HWTGOC CHITRALPFDEASis HWM _U601010 L HW	t HwTgCor Ch1TraLPFDepAxis Hz u7p9[0]	9251		
LHWTQCOC_CHTTatLPFDepAxis_Hz_U7p9[3]	t HwTqCor Ch1TraLPFDepAxis Hz u7p9[1]	9392		
LHWTQCOC_CHTTatLPFDepAxis_Hz_U7p9[3]	_ , _ ,	1456		
LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 853 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 1846 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 1846 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 1893 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 1993 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l6] 1993 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 1993 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 2474 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 24894 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 24894 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 4884 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 4889 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 581 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 581 LHWTQCO: Ch1TraLPFDepAxis, Hz, U7p9l7] 9541 LHWTQCO: Ch1TraLPFDepAxis, Hx, U7p9l7] 9541 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 18672 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1998 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1998 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1998 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 13367 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 13367 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 13367 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1334 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1775 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1374 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1374 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1976 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1976 LHWTQCO: Ch1TraLPFIAAxis, HwNm, U6p10] 1976 UFWTQCO: Ch1TraLPFIAAxis,		4353		
LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[5] 636 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[7] 1893 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[7] 1893 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[8] 2799 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[10] 6217 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[10] 6217 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[11] 2474 LHWTQCOC_ChTTTaLPFDepAxis_Hz_U7p9[12] 8864 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[13] 4529 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[14] 7603 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[15] 4585 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[15] 4585 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[16] 561 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[16] 561 LHWTQCOC_ChTTALPFDepAxis_Hz_U7p9[17] 9541 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[0] 2353 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[1] 18672 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[3] 10210 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[3] 10210 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[6] 13367 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[6] 1396 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[6] 13976 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[6] 1976 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[6] 1976 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[11] 14912 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[13] 17494 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[13] 17494 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[13] 17494 LHWTQCOC_ChTTALPFINAXis_HwNm_u6p10[16] 19576 target_HwTQCorm, Par2_HwTqWal_Hwnm_u52 target_HwTqCorm, Par2	_ , _ ,	8533		
L HWTQCOC_CN1TraLPFDepAxis_Hz_u7p9[6]				
LHWTQCO_CHTTRLPFIDAXIS_HZ_U798 S 2799	_ , _ , , , , , , , , , , , , ,	1846		
LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 8 1392 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 9 1392 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 10 6217 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 11 2474 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 12 8864 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 13 4529 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 15 4585 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 16 561 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 16 561 -LHWTQCO*_Ch1Tral.PFDepAxis Hz_urpe 16 561 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 1 9541 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 2 18672 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 3 10210 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 4 11998 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 2894 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 2894 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 13367 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 13367 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 13367 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1334 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1334 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1334 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1334 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1336 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1336 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1336 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1358 -LHWTQCO*_Ch1Tral.PFIndAxis HwNn_u6p10 5 1587 -L		1893		
HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[9] 1392 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[10] 6217 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[11] 2474 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[12] 8864 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[13] 4529 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[14] 7603 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[15] 4585 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[16] 561 -HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[16] 561 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[0] 2353 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 9541 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 18672 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[3] 10210 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[3] 10210 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[4] 11998 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[6] 13367 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[6] 13367 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[7] 6227 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[8] 16916 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[9] 1334 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 14912 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 19530 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 1998 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1] 19976 -HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[1]	_ , _ ,			
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9 10 6217		1392		
L HWTQCOr_Ch1TraLPFDepAxis_Hz_u7p9[11]		6217		
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]		2474		
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t_HwTqCor_Ch1Tral_PFIndAxis_HwNm_u6p10[14] 304 t_HwTqCor_Ch1Tral_PFIndAxis_HwNm_u6p10[15] 1587 t_HwTqCor_Ch1Tral_PFIndAxis_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_Ptr_T_lc 0 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_HwTqCorrln_Per2_HwTq1dptSig_Cnt_u08	_ ,			
t_HwTqCor_Ch1Tral_PFIndAxis_HwNm_u6p10[15] 1587 t_HwTqCor_Ch1Tral_PFIndAxis_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_lc 0 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwT				
t_HwTqCor_Ch1Tral_PFIndAxis_HwNlm_u6p10[16] 19576 target_HwTqCorrln_Per2_HwTq1Val_HwNlm_f32.value 0 target_HwTqCorrln_Per2_HwTq2Val_HwNlm_f32.value 4.96729994 target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc 0 target_Rte_Inst_Sa_HwTqCorrln_HwTqCorrln_Per2_HwTq1Val_HwNlm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNlm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNlm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNlm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1dptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTq1dptSig_Cnt_u08		111		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 0 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 4.96729994 target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_Ptr_T_lc 0 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_Per2_HwTq1Val_HwTqCorrln_Per2_HwTq1Val_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_Per2_HwTq1Val_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorrln_Per2_HwTqCorr				
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 4.96729994 target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc 0 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Vsl_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_RymTqCorrln_Per2_HwTq1Vsl_HwNm_f32				
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc 0 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_Rte_Inst_Sa_HwTqCorrln_Per2_HwTqUNdParActive_		4.96729994		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	· - ·			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08			f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	· · ·			
			_	
				Result
HwTqCor Ch1LmtTqSum HwNm M f32 -2.48365 -2.48364997 ± 0.000009 ✓	HwTqCor Ch1LmtTqSum HwNm M f32	-2.48365	-2.48364997 ± 0.000009	~
	HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32			~
HwTqCor Ch1TraFittKSV M str.K Uls f32 0.36507899 0.365078986 ± 0.0000001 ✓				~
·	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)			~
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_HwTqCorrin_Per2_HwTqldptSig_Cnt_u08.value 2 2		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)	✓
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_HwTqCorrln
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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HwTqCorrln_Per2 Input Value $k_HwTqCor_Ch1TqSumLim_HwNm_f32$ 4.06483078 2.79369998 $k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32$ 13.4265003 k HwTqCor Ch1TraSumOpSetFltThd HwNm f32 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0] 6575 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1] 2932 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2] 9681 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3] 3395 $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]$ 7108 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5] 8986 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] 2068 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7] 8003 $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]$ 4287 6375 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9] t HwTqCor Ch1TraLPFDepAxis Hz u7p9[10] 3134 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11] 7617 $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]$ 3012 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13] 4932 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14] 4017 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15] 4564 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16] 443 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0] 13151 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1] 5864 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2] 19362 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3] 6791 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4] 14217 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5] 17971 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 4135 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7] 16005 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8] 8573 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9] 12750 6267 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 15234 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[12] 6024 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 9865 8034 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[15] 9128 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 886 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value -1.25target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value -3.14969993 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 HwTgCorrln.HwTgCorrln Per2 HwTg2Val 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** Result Name **Expected Value** HwTqCor_Ch1LmtTqSum_HwNm_M_f32 0.94984996 0.949850023 ± 0.00000009 $HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32$ -6.3460498 -6.34604979 ± 0.000009 0.275844812 ± 0.0000001 HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 0.27584481 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$ 101 *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	✓

1

none

none

2

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
HwTqCor_Ch1Avl_Cnt_M_lgc	0
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.14420033
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.382600009
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	6.68330002
HwTqCor_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

Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)

 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$

target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value

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HwTqCorrln_Per2 Input Value k HwTqCor Ch1SSOpClrFltThd HwNm f32 3.79469991 k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32 0.133483708 k HwTqCor Ch1TqSumLim HwNm f32 $k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32$ 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 1486 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7] 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 223 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[8] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9] 9652 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10] 4034 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 11961 13161 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13] 19686 19915 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 5086 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 13633 target HwTgCorrln Per2 HwTg1Val HwNm f32.value 6.26949978 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value -10 target Rte Call Sa HwTqCorrln NxtrDiagMqr GetNTCActive NTCActive Ptr T lc 1 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32$ target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqIdptSig_Cnt_u08$ target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 Actual Value **Expected Value** Name Result

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	-

0.13348371

1 0841455

0.1485464

101

1

0

0.133483708 ± 0.00000009

 $0.148546398 \pm 0.00000009$

1 08414555 + 0 000009

none

none

*none

0

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_HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrIn

HwTqCor_Ch1LmtTqSum_HwNm_M_f32

HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32

target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value

 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)

Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)

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HwTqCorrln_Per2 Input Value k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32 17.3047009 17.3047009 $k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32$ k HwTaCor Ch1SSOpSetFltThd HwNm f32 9.05790043 k_HwTqCor_Ch1TqSumLim_HwNm_f32 0.533672631 k HwTgCor 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 5471 $t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]$ 7299 t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6] 5766 t HwTqCor Ch1TraLPFDepAxis Hz u7p9[7] 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 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 4945 7398 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16] target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value -9.70559978 10 target HwTgCorrln Per2 HwTg2Val HwNm f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T Ic 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 $HwTqCor_Ch1LmtTqSum_HwNm_M_f32$ -0.533672631 + 0.00000009 -0.53367263 2.7418923 2.74189281 ± 0.000009 HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 HwTqCor Ch1TraFiltKSV M str.K Uls f32 0.29537624 0 295376211 + 0 0000001 101 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) *none* Rte Call Sa HwTgCorrln 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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~

0

0

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

 $target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value$

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mw1qComi_Per2			71000
Name	Input Value		
Rte Inst Sa HwTqCorrln	target Rte Inst Sa HwTgCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.9995003		
k_HwTqCor_Ch1SSOpCIrFltThd_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		
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	5.97520018		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	7.25		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T kg			
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_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-0.63739991	-0.637399971 ± 0.00000009	. toouit
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	14.973184	14.9731827 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.015875101	0.0158751272 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	-
Rte Call Sa HwTqCorrin NxtrDiagMgr SetNTCStatus(NTC_Cit_T_endin)	1	*none*	
Rte Call Sa HwTqCorrln NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	*none*	
target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value	0	0	-
a.gotqoomii_i oiz_i iii iqiqtoig_om_uoo.vaido	<u> </u>		

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 2.11 (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	Igr_GetNTCActive_NTCActive_Ptr_T_I	gc
Rte_Inst_Sa_HwTqCorrIn	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_	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	1_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
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*	•

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_Ch1Avl_Cnt_M_lgc	1	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	5.4749999	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.04299998	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	20	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994	

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Name	Input Value		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.144999996		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_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_Ch1CMCLPFOpLim_HwNm_f32	20		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	20		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	11.5889997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	7.8061614		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	6.95039988		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	10.2868996		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6885		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3287		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6235		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	4695		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	8070		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[5]	7280		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[6]	9309		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	9092		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5660		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9395		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	927		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	782		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6845		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	3027		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[14]	2124		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5411		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9509		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[0]	8781		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7899		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	7403		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	187		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	3811		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	246		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[6]	6029		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14281		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	5363		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	10614		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	13995		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4103		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	15439		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	12322		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	386		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	18888		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16]	11006		
target HwTqCorrIn Per2 HwTq1Val HwNm f32.value	4.88980007		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	-4.25		
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	m 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_Cr		
			Passil
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.5699	4.56990004 ± 0.000009	<u> </u>
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-10.919006	-10.9190073 ± 0.00009	•
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.28678095	0.286780924 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	,
target_HwTqCorrln_Per2_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



Mar Cont Charles Mar Mar Line Mar	Name	Input Value		
Min-Count Contination (Min-Marging) Gent (Cachen) (Cachen) (Cachen) (Cachen) (Cachen) (Min-Marging) Gent (Min-		•		
Rig. Cag. B. Hu/ToComin, Nucleaghlag. GeNTCActive, NTCActive, Ptr_T_igo Ray Files & Den South Common, Nucleaghlag. GeNTCActive, NTCActive, Ptr_T_igo R. Hu/ToCoc Ch1000CP (Polin Linkins, 12)				
			Igr GetNTCActive NTCActive Ptr T Igc	
Martiagon Christal Principal Martin 192				
Namigoc Chissopocienting Inwinin 122 5.91820016	k HwTgCor Ch1CMCLPFOpLim HwNm f32	· ·		
MartingCon ChitTellamin, Habbin, 192 2,987 1,987 2,987 1,987				
k. Hart Goz C. Chit Tells - Product Fitted Marker 1922 2.9867		3.38534212		
		2.2967		
LimbToCo ChitTalPERpeApas H_LV78PII)		12.3872995		
LHWTGCC_CONTRALPFERPANS_Hz_W70P(2) 1302 1302 1407		10043		
LibraToCo_Ch1TraLPFDepAxe_Hz_u7p(B)	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
LHWTGOC_CHTTRLEPFDepAsis_Hz_U759[6]	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
LHWTGOC, CNITRALPFIDANS, Hz, LVPB(S)	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
LHwTqCor_Ch1TraLPFDepAvs_Hz_U7967 7616	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
LHWTQCO_CHTTRLPFIDAPAXis_Hz_U7p8[8] 7567 1	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
HwTqCor_ChTTatPFDepAxis_Hz_U7p8[0] 7567	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4068		
LHWTqCor_ChTTraLPFDepAxis_Hz_U7p8[9] 7281 2446 244	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	7616		
LHWTQCO_CN1TraLPFDepAxis_Hz_u7p9[13]	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567		
LHMTQCO_CHTTALPFIDepAxis_Hz_U7p6[12] 8626	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12] 8626	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[13]	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
HwTqCor_Ch1TralPFDepAxis_Hz_U796[14] 3818	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
LHWTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15] 6518 LHWTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16] 1848 LHWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0] 7281	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425		
L HWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[0] 7281 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 7849 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[2] 15151 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[3] 12714 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[4] 6907 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[6] 19301 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[6] 19976 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[7] 18570 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[8] 19976 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[8] 9376 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[9] 18607 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 17010 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 17010 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 17010 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18322 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LTHWTQCO_Ch1TraLPFIndAxis_HNNm_u6p10[1] 18232 LTTTALPHTQCOTTIN_PET2_HWTQVal_HNNm_1522 LTTTALPHTQCOTTIN_PET2_HWTQVal	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818		
LHWTqCor_Ch1TraLPFindAxis_HwNm_u6p10[0] 7281	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
CHWTqCor_Ch1TraLPFindAxis_HwNm_u6p10[1] 7849	t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
Third Cor Ch1TraLPFindAxis	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7281		
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] 10286 t_HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[14] 18232 t_HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[15] 11594 t_HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[16] 4772 target_HwTqCorin_Per2_HwTqYaVal_HwNm_132_value -0382800009 target_HwTqCorin_Per2_HwTqZval_HwNm_132_value -0382800009 target_Rel_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_Rel_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_Rel_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_HwTqCorrin_Per2_HwTqVal_HwNm_132 target_Rel_Inst_Sa_HwTqCorri	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7849		
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[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 t_HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[16] 4772 target_HwTqCortin_Per2_HwTq1Val_HwNm_152_value -9.04759979 target_HwTqCortin_Per2_HwTq1Val_HwNm_152_value -0.382600009 target_Rte_Call_Sa_HwTqCortin_HwTqCortin_Per2_HwTq1Val_HwNm_132 target_HwTqCortin_Per2_HwTqVal_HwNm_132 target_Rte_Inst_Sa_HwTqCortin_HwTqCortin_Per2_HwTq1Val_HwNm_132 target_HwTqCortin_Per2_HwTqVal_HwNm_132 target_Rte_Inst_Sa_HwTqCortin_HwTqCortin_Per2_HwTq1Val_HwNm_132 target_HwTqCortin_Per2_HwTqVal_HwNm_132 target_Rte_Inst_Sa_HwTqCortin_HwTqCortin_Per2_HwTq1Val_HwNm_132 target_Hw	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	15151		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] 19301 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_HwTqCorln_Per2_HwTq1Val_HwNm_f32_value -9.04759979 target_HwTqCorln_Per2_HwTq2Val_HwNm_f32_value -9.0382600009 target_Re_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_t_[c] 0 target_Re_Inst_Sa_HwTqCorrln_NwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_Re_Inst_Sa_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Re_Inst_Sa_HwTqCorrln_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 -3.36534212 ± 0.000009 <	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	12714		
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_HwTqCorIn_Per2_HwTq1Val_HwNm_132.value -9.04759979 target_HwTqCorrin_Per2_HwTq1Val_HwNm_132.value -9.04759979 target_Re_Call_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_b_c 0 target_Re_Inst_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_b_c 0 target_Re_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_Re_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_Re_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_HwTqCorrin_Per2_HwTq1Val_HwNm_132 target_Re_Inst_Sa_HwTqCorrin_NxtrDiagMgr_Sa_Sa_Sa_Sa_Sa_Sa_Sa_Sa_Sa_Sa_	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6907		
t_HwTqCor_Ch1TraLPFindAxis_HwNm_u6p10[7]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	19301		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8] 9376 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9] 18607 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 14743 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 17010 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] 11366 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 10266 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 18232 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 11594 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 4772 target_HwTqCorrin_Per2_HwTq1Val_HwNm_132_value 29.04759979 target_Rte_Inst_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_c; 0 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_HwTq1Val_HwNm_f32 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_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrin_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrin_Per2_HwTq31HwNm_f32 tar	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	10976		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	15870		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9376		
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_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_le_target_Rte_Inst_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_Tenum) 10 1	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	18607		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	14743		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 10266 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 18232 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 11594 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 4772 target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_value 9.04759979 target_Rte_Call_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_Ptr_T_lc_0 0.382600009 target_Rte_Linst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_HwTqCorrin_Per2_HwTq2Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq2Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq2Val_HwNm_f32_target_Rte_Inst_Sa_HwTqCorrin_Per2_HwTq2Val_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_HwTqCorrin_Per2_HwTq1Val_HwNm_f32_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_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_Sa53421_sa_38	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	17010		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11366		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	10266		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 4772 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value -9.04759979 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_HwTqldptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Result HwTqCor_Ch1TraEPittKSV_M_str.SV_UIs_f32 -3.3853421 -3.38534212 ± 0.000009 * HwTqCor_Ch1TraFittKSV_M_str.K_UIs_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 *none* * Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* *	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	18232		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11594		
target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value -0.382600009 target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg 0 target_Rte_Inst_Sa_HwTqCorrIn_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Result HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.3853421 -3.38534212 ± 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(Status_Cnt_T_enum) 1 *none* • Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* •	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	4772		
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_HwTqldptSig_Cnt_u08 target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Result HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.3853421 -3.38534212 ± 0.000009 • HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_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 *none* • Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* •	target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-9.04759979		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn.Per2_HwTq1Val_HwNm_f32 target_HwTqCorrIn.Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn.Per2_HwTq2Val_HwNm_f32 target_HwTqCorrIn.Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn.Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrIn.Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Result HwTqCor_Ch1TraFiitKSV_M_str.SV_UIs_f32 -3.3853421 -3.38534212 ± 0.000009 • HwTqCor_Ch1TraFiitKSV_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(Status_Cnt_T_enum) 1 *none* • Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* •	target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-0.382600009		
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Result HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 -3.3853421 -3.38534212 ± 0.000009 • HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 -3.3075614 -3.3075614 ± 0.000009 • HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 0.38919938 0.389199317 ± 0.0000001 • Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 101 *none* • Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* • Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* •	$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Instructions and the property of the $	g 0		
Name Actual Value Expected Value Result HwTqCor_Ch1LmtTqSum_HwNm_M_f32 -3.3853421 -3.38534212 ± 0.000009 ✓ HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.3075614 -3.3075614 ± 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(Status_Cnt_T_enum) 1 *none* ✓ Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* ✓	target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	_f32	
Name Actual Value Expected Value Result HwTqCor_Ch1LmtTqSum_HwNm_M_f32 -3.3853421 -3.38534212 ± 0.000009 ✓ HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.3075614 -3.3075614 ± 0.000009 ✓ HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_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 *none* ✓ Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none* ✓	target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	_f32	
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*	target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
HwTqCor_Ch1TraFittKSV_M_str.SV_Uls_f32 -3.3075614 -3.3075614 ± 0.000009 HwTqCor_Ch1TraFittKSV_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*	Name	Actual Value	Expected Value	Result
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.3075614 -3.3075614 ± 0.000009 HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_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*	HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.3853421	-3.38534212 ± 0.000009	~
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_32 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*				✓
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*				~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 1 *none* Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none*				✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1 *none*	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T u08)	1	*none*	✓
		1		✓
		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 2.14 (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	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_NxtrDiagN	Agr GetNTCActive NTCActive Ptr T	lac
Rte Inst Sa HwTqCorrin	target Rte Inst Sa HwTqCorrIn	igi_Genvi GAenve_ivi GAenve_i u_i_	igo
,	2.6888001		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32			
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	2.6888001 12.5563002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32			
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		
target HwTqCorrln Per2 HwTq2Val HwNm f32.value	9.02029991		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T			
target_Rte_Call_Sa_HwTqCorrln_NxtrDlaghigr_GetNTCActive_NTCActive_Ptr_1_ target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	-	1 132	
· · · · · · · · · · · · · · · · · · ·	target_HwTqCorrln_Per2_HwTq1Val_HwNm	_	
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		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				
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	Mgr GetNTCActive NTCActive Ptr T Igo	c
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	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		
	17244		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11463		
_ ,	1004		
t_HwTqCor_Ch1Tral.PFIndAxis_HwNm_u6p10[13]	20204		
t_HwTqCor_Ch1Tral.PFIndAxis_HwNm_u6p10[14]	729		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]			
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	19435		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	8.11499977 -4.51130009		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	1 11111		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I		- 422	
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	The second secon	
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 NxtrDiagMgr GetNTCActive	1	✓

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

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HwTqCorrln_Per2 Input Value HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32 -3.2579999 HwTqCor_Ch1LmtTqSum_HwNm_M_f32 HwTqCor Ch1SSDiagFiltOut HwNm M f32 16.0077 HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 -19.3600006 HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32 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 HwTgCorrIn $k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32$ 19 5226002 k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32 k HwTqCor Ch1SSOpSetFltThd HwNm f32 1 45840001 5.04142332 k_HwTqCor_Ch1TqSumLim_HwNm_f32 k HwTqCor Ch1TraSumOpClrFltThd HwNm f32 1 05700004 10.0507002 $k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32$ 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 13121 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[0] 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 10239 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7] 6749 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8] 18362 t HwTgCor 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 19435 t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16] 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_lg 1 target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32 target_Rte_Inst_Sa_HwTqCorrln.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_HwTqIdptSig_Cnt_u08 Name **Actual Value Expected Value** Result $HwTqCor_Ch1LmtTqSum_HwNm_M_f32$ 5.0414233 5.04142332 ± 0.000009 HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32 -10.453835 -10.4538355 ± 0.00009 $HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32$ 0.36498547 0.364985466 ± 0.0000001 Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 101 *none* $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)$ *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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~

0

0

 $target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value$





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_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_	lgc
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_Ch1Tral_PFDepAxis_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_Ch1Tral_PFDepAxis_Hz_u7p9[11]	7537 232		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	824		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6533		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[14]	8131		
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[15]	9522		
t_HwTqCor_Ch1TralPFlpdAvis_Hz_u7p9[16]	4107		
t_HwTqCor_Ch1TralPFIndAxis_HwNm_u6p10[0]	17274		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1] 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 HwTqCorrIn 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_HwN	m_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_Cr	_	
Name	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_UIs_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*	

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 2.19 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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	Mar GetNTCActive NTCActive Ptr T la	0
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn	3	
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		
	1591		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[1]	7844		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[2]	3680		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[3]			
t_HwTqCor_Ch1TralPFDepAxis_Hz_u7p9[4]	296		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	2791		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	9383		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	4035		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	3196		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	8471		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9545		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	9906		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8517		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	5136		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	5176		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	7366		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1115		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	6454		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	13505		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	4192		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	9090		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	5685		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9831		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6304		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	2700		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	6999		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	2225		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10]	13252		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5263		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[12]	10820		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	15761		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[14]	10084		
t_HwTqCor_Ch1Tral_PFIndAxis_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_HwNn	_	
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	_u08	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.056349993	-0.0563500002 ± 0.00000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.624507	-5.62450695 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38601291	0.386012882 ± 0.0000001	-
Rte_Call_Sa_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 GetNTCActive	1	Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive	1	✓





Test Step 2.20 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor_Ch1AvI_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	Mgr_GetNTCActive_NTCActive_Ptr_T_lc	jc
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_Ch1TraLPFDepAxis_Hz_u7p9[1]	9742		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6384		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	491		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	6481		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	8822		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	5396		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	2374		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	5148		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7427		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2345		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	106		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	10143		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9569		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	731		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9212		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	2413		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	18213		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	9702		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9216		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5976		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	624		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	15578		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	17198		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11544		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	2404		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	1118		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	4085		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	14020		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	14198		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	19412		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	1220		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	19561		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	11714		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-3.91700006		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T	Iç O		
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	6.9584999	6.95849991 ± 0.000009	- Josain
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.10925686	-0.109256826 ± 0.00000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12858856	0.128588557 ± 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	
	1.		•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

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	✓





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				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 2.22 (Repeat Count = 1) Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV Uls f32	4.11499977		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.26659989		
HwTqCor Ch1SSDiagFiltOut HwNm M f32	15.6386003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	15.2250004		
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.254999995		
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 HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrIn	<u> </u>	.5-
k HwTqCor Ch1CMCLPFOpLim HwNm f32	15.0268002		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	15.0268002		
k HwTqCor Ch1SSOpSetFltThd HwNm f32	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_Ch1TraLPFIndAxis_HwNm_u6p10[5]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	20480		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	20480		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-8.81900024		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.26659989		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	<u>lg</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	_u08	
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-6.0427999	-6.04279995 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_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*	
	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 2.23 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	15.2250004		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.18050003		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	9.93410015		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.524999976		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/lgr_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 9.08240032		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32 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 HwTgCor Ch1TraLPFDepAxis Hz u7p9[7]	7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	6425		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	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 7350		
t_HwTqCor_Ch1Tral_PFIndAxis_HwNm_u6p10[7]	6137		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8] 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_le	g O		
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	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_HwTqIdptSig_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_UIs_f32	8.21150017		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.00240004		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.565400004		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.254999995		
Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagM	Igr_GetNTCActive_NTCActive_Ptr_T_Igc	
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	20		
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_Ch1Tral_PFDepAxis_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_Ch1Tral_PFIndAxis_HwNm_u6p10[2]	3853 16190		
t_HwTqCor_Ch1Tral_PFIndAxis_HwNm_u6p10[3]	4122		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	2073		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[6]	13052		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	6874		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	12482		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	3979		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10]	17227		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[11]	20179		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	1536		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13]	6136		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[14]	16456		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[15]	12196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	12993		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-2.35560012		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-1.00240004		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I			
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	_u08	
Name	Actual Value	Expected Value	Result
HwTqCor Ch1LmtTqSum HwNm M f32	-0.67660004	-0.676599979 ± 0.00000009	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.146999	-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*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	~
$Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	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_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_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_HwTqldptSig_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		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV Uls f32	-4.14519978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.58419991		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.24529982		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		trDiagMgr_GetNTCActive_NTCActive_Ptr_T_	lac
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		J
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	19.9514999		
k_HwTqCor_Ch1SSOpCIrFltThd_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		Hushim 622	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_	_	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptS		
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.74452186	-0.744521856 ± 0.00000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_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) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	101	101	•
	1	1	





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	-4
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	





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	~

Name	Input Value		
HwTqCor Ch1Avl Cnt M Igc	0		
HwTqCor Ch1CMCFiltKSV M str.SV UIs f32	-9.12520027		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.53119993		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	16.8738003		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	6.25		
HwTqCor Ch1TraFiltKSV M str.K Uls f32	0.477999985		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	Mar GetNTCActive NTCActive Ptr T Iac	
Rte_Inst_Sa_HwTqCorrIn	target Rte Inst Sa HwTqCorrIn	gcccccc	
k HwTqCor Ch1CMCLPFOpLim HwNm f32	6.90749979		
k HwTqCor Ch1SSOpClrFltThd HwNm f32	6.90749979		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	15.2553997		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	9.00119114		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	9.93610001		
k HwTqCor Ch1TraSumOpSetFltThd HwNm f32	17.6818008		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	6524		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8554		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8289		
t HwTgCor Ch1TraLPFDepAxis Hz u7p9[3]	6762		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3064		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	926		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1685		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	5036		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	910		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	9247		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	9650		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	565		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[12]	6710		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	658		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	8216		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	5077		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9734		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	7349		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16395		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8248		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2984		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19541		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14116		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10839		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[8]	9370		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[9]	9384		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10]	6747		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	19025		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[12]	5566		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13]	4279		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	9665		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16]	8838		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-0.157299995		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	7.53119993		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T			
target Rte Inst Sa HwTqCorrln.HwTqCorrln Per2 HwTq1Val HwNm f32	target_HwTqCorrln_Per2_HwTq1Val_HwNi	m f32	
target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_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	Resu
HwTqCor Ch1LmtTqSum HwNm M f32	-3.84425	-3.84424996 ± 0.000009	Kest
HWTqCor_Ch1Lmt1qSum_HWNm_N_132 HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-3.84425 3.483876	-3.84424996 ± 0.000009 3.48387623 ± 0.000009	
11. 1400 _0.11 11at litt.0v_w_w_010_102	0.27402967	0.10001020 ± 0.000000	

HwTqCorrln_Per2





Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	~
target_HwTqCorrln_Per2_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_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-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				✓
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	Test Step 2.31 (Repeat Count = 1)			✓
HartQoC_ChttCMCTRISS_M_ HartQu_ Hove 12		Input Value		
HATGCC_Cht_MTGSUm_HAWm_M_S2	HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HWTQCC_CHTSHSWSW_M_STV_UIS_722	HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	4.11499977		
HATGCC_CHTTERHSSV_M_str_K_Us_22	HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.41059995		
HwTGCC ChTTGFIRSON_M_SHK_UIL_52 Ris_ Ints_Sa_HwTGCOrn NotFoligyOcCeNTCActive_PIT_Ugo larget_Ris_ Call Sa_HwTGCOrn larget_PIT_Ugo larget_Ris_ Call Sa_HwTGCOrn larget_PIT_Ugo larget	HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.7765999		
Rie_ Lail Sa_ HwTqComin, NxD10glytig_ CeNTTCActive_NT_Cettive_PTIgo Rie_ lail Sa_ HwTqComin, NxD10glytig_ CeNTTCActive_PTIgo Rie_ lail Sa_ HwTqCo	HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-5.44999981		
Ris_Inst_Sa_HwTqCorin	HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.458000004		
K-HaTQCO_CH1SCOpClaffThd_HWNn_122 15.4350004	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lg	C
K.HVTQCO_Ch1SSQpQirFitThd_HwNm_122	Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
K. HATGOC, Ch175SUMLIM_HANM, 152 1.87478997 1.8747899 1.87478997 1.87478997 1.87478997 1.87478997 1.8747899 1.87478997 1.87478997 1.87478997 1.87478997 1.8747899 1.87478997 1.8747899 1.87478997		15.4350004		
K, HATGOC_CHTTASUME, HANM_IS2 2,125676 K, HATGOC_CHTTASUMODSEIFITM_HANM_IS2 19,161804 K, HATGOC_CHTTASUMODSEIFITM_HANM_IS2 19,161804 K, HATGOC_CHTTASUMODSEIFITM_HANM_IS2 19,161804 K, HATGOC_CHTTALPFDEPAKS_HE_U79P(I) 555 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 158 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 545 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 545 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 143 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 143 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 4978 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 2072 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 4085 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1520 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1520 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1520 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1247 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1247 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 3065 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 3065 L, HATGOC_CHTALPFDEPAKS_HE_U79P(I) 1713 L, HATGOC_CHTALPFDEAKS_HANM_U6PID(I) 1				
K, HWTQCO_ChTTraSumOpCHFITThd_HWMm_132 7,38000013 K, HWTQCO_ChTTraSumOpSelFitThd_HWMm_132 19,1618004 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(0) 6513 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(1) 535 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(2) 125 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(3) 1881 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(5) 7189 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(6) 143 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(8) 2072 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(8) 2072 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(9) 9610 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(1) 4085 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(12) 1738 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(12) 1738 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(13) 4990 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(14) 1247 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(14) 1247 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(14) 1247 LHWTQCO_ChTTraLPFDepAxis_Hz_U706(14) 1247 LHWTQCO_ChTTraLPFDAxis_Hwm_u60(10) 5441 LHWTQCO_ChTTraLPFDAxis_Hwm_u60(10) 5441 LHWTQCO_ChTTraLPFDAxis_Hwm_u				
K.HWTQCOr. Ch1TraSUMOpSelFITTNE_HWMT_322 19.1618004				
L HWTQCO* ChTTRLPFDepAxis Hz, U799(1) 535 LHWTQCO* ChTTRLPFDepAxis Hz, U799(2) 125 LHWTQCO* ChTTRLPFDepAxis Hz, U799(3) 1881 LHWTQCO* ChTTRLPFDepAxis Hz, U799(3) 1881 LHWTQCO* ChTTRLPFDepAxis Hz, U799(5) 7189 LHWTQCO* ChTTRLPFDepAxis Hz, U799(6) 143 LHWTQCO* ChTTRLPFDepAxis Hz, U799(6) 143 LHWTQCO* ChTTRLPFDepAxis Hz, U799(7) 4978 LHWTQCO* ChTTRLPFDepAxis Hz, U799(1) 4085 LHWTQCO* ChTTRLPFDepAxis Hz, U799(1) 4090 LHWTQCO* ChTTRLPFDepAxis Hz, U799(1) 5090 LHWTQCO* ChTTRLPFDepAxis Hz, U799(1) 5090 LHWTQCO* ChTTRLPFDepAxis Hz, U799(1) 5090 LHWTQCO* ChTTRLPFDAXis HwMm_u6p10(1) 4254 LHWTQCO* ChTTRLPFDAXis HwMm_u6p10(1) 4264 LHWTQCO* ChTTRLPFDAXis HwMm_u6p10(1) 1999 LHWTQCO* ChTTRLPFDAXis HwMm_u6p10				
LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[1] 535 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[2] 125 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[3] 1681 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[3] 1681 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[5] 7189 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[6] 143 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[7] 4973 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[8] 2072 LHWTQCOr_CHTTaLPFDepAxis_Hz_U7p9[8] 2072 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[9] 9610 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[10] 4085 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[11] 1520 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[13] 4990 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[13] 4990 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[14] 1247 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[15] 5870 LHWTQCOr_ChTTaLPFDepAxis_Hz_U7p9[16] 3655 LHWTQCOr_ChTTaLPFDepAxis_Hx_U7p9[16] 3655 LHWTQCOr_ChTTaLPFDepAxis_Hx_U7p9[16] 3655 LHWTQCOr_ChTTaLPFDepAxis_Hx_U7p9[16] 3713 LHWTQCOr_ChTTaLPFDepAxis_Hx_U7p9[16] 4254 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 17133 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 4254 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 4254 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 4264 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 4264 LHWTQCOr_ChTTaLPFDepAxis_HxWm_u6p10[1] 4264 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4344 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4344 LHWTQCOr_ChTTaLPFDAXis_HxWm_u6p10[1] 4300 LHWTQCOr_ChTTaLPFDAXis_HxWm_				
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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 target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	9022		
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 target Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc_0 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	1589		
t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9] 8459 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 1260 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 4330 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] 6639 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 13443 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2759 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 18644 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	17929		
t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 1260 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 4330 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] 6639 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 13443 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2759 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 18644 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19431		
t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11] 4330 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] 6639 t_HWTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13] 13443 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14] 2759 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] 18644 t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] 18198 target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value 1.41059995 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8459		
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 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	1260		
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 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T Iç 0	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4330		
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 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T lc 0				
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 target Rte Call Sa HwTqCorrIn NxtrDiagMgr GetNTCActive NTCActive Ptr T lc 0				
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16] target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value target_HwTqCorrIn_Per2_HwTq2Val_HwNm_f32.value target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc_0 18198 3.07660007 1.41059995	t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2759		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value 3.07660007 target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value 1.41059995 target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lc_0				
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T lc 0				
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T lg 0	0			
target_kte_inst_Sa_Hw1qCorrin.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_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08 Name Actual Value Expected Value Re				Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32			•	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 -3.7307348 -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				~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 1		1	1	✓
target_HwTqCorrIn_Per2_HwTqldptSig_Cnt_u08.value 0 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_NxtrDia	gMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
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 k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	2.83921266 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] t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	5985 18830		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[10]	18223		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	6759		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[12]	15376		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13]	18328		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2179		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3583		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8393		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	3.60419989		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	9.23939991		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	<u>lg</u> 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hwf	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_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_C	:nt_u08	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-2.8176	-2.81760001 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.557556	-11.5575562 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.39006823	0.390068203 ± 0.0000001	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	•
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	

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



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				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 2.34 (Repeat Count = 1)			<u> </u>
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	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	;
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_I			
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	-4.1853499	-4.18534994 ± 0.000009	TOGAIC
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.1522198	-4.15221977 ± 0.000009	
HWTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.17483932	0.174839288 ± 0.000009	
			- 4
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	101	*none*	Ĭ
		HOHE	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Farani_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 2.35 (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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lg	С
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
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		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	14.5867996		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	20		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	3298		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	1359		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9506		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	519		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7782		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5341		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	2092		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7]	6281		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	6827		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	3953		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2853		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4678		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6159		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1788		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	2646		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	9952		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	9867		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	3444		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	7957		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	3143		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	4898		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	13110		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	13934		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	12571		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	14627		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	19419		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	6701		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	15431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	4528		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	2029		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	7505		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	13271		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	16332		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	2875		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	7.42579985		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.551500022		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_NTCActive_NTCActive_Ptr_T_T_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCA$	_lc O		
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_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.4511423	2.45114231 ± 0.000009	-
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-16.099989	-16.0999889 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.14946544	0.149465412 ± 0.00000000	
Rte Call Sa HwTqCorrln NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	101	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Crit_1_endin)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	
	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		
	0		
HwTqCor_Ch1AvI_Cnt_M_lgc HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	18.5510006		
	-0.277399987		
HwTqCor_Ch1SSDiggEitCut_HuMm_M_f32			
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	Ann Cathlee NECA attua Dia T. I.	
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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.0986004		
k_HwTqCor_Ch1SSOpClrFltThd_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	_lg 1		
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_HwTqIdptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Resu
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.3249	1.32490003 ± 0.000009	i i i
HwTqCor_Ch1TraFiltKSV M str.SV Uls f32	-0.96026433	-0.960264325 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.077484012	0.0774840117 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	
1/10_0aii_0a_i iw iq00iiii_iv/ti biagivigi_3etiv i 03tatus(Falaiii_0iit_1_006)	<u>'</u>	HOHE	





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

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

Test Step 2.38 (Repeat Count = 1) Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor Ch1CMCFiltKSV M str.SV Uls f32	0		
HwTqCor Ch1LmtTqSum HwNm M f32	-2.57710004		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.09980011		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	4.11499977		
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.143999994		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)		agMgr_GetNTCActive_NTCActive_Ptr_T_	lac
Rte_Inst_Sa_HwTqCorrin	target Rte Inst Sa HwTqCorrIn	igingi_delivi dhelive_ivi dhelive_i ii_i_	ige
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_	_lg O		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_Hw	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_Hw	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_0	Cnt_u08	
Name	Actual Value	Expected Value	Resu
HwTqCor Ch1LmtTqSum HwNm M f32	1.0327193	1.03271925 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	3.523463	3.52346325 ± 0.000009	
HwTqCor Ch1TraFiltKSV M str.K Uls f32	0.19191527	0.191915259 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	

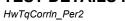




Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•
target HwTgCorrln Per2 HwTgldptSig Cnt u08.value	0	0	✓

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_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	





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

Test Step Call Trace				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 HwTgCorrln Per2 HwTgldptSig Cnt u08.value	2	2	✓

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 2.41 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-8.51000023		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-8.83250046		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.09980011		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-17.1469994		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.487500012		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_le	gc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
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 Ch1TraLPFDepAxis Hz u7p9[1]	6392		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	9871		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	8551		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9541		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[5]	2290		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	8094		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	6472		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8719		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[9]	4096		
_ , _ , _ , _ , _ , _ , _ , _ , _ , _ ,	3576		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	6914		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	6644		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	9098		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[14]	9228		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	4042		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	5255		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	10196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	12646		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	12754		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5301		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	6431		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	11783		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	6724		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	16101		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	1876		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	8868		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	17726		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	15095		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	9183		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	20134		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	19070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	3688		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7418		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	4.59740019		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-8.83250046		
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	ı 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		
	Actual Value		Boords
Name		Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	6.7149506	6.71495008 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-10.977652	-10.9776525 ± 0.00009	_
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.25854331	0.258543313 ± 0.0000001	_
Rte_Call_Sa_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 GetNTCActive	1	Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive	1	✓



Test Step 2.42 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.1099997		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-4.87930012		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	14.0084		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_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_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_Ch1Tral_PEDepAxis_Hz_u7p9[2]	119		
t_HwTqCor_Ch1Tral_PEDepAxis_Hz_u7p9[3]	9539 769		
t_HwTqCor_Ch1Tral PFDepAxis_Hz_u7p9[4]	10231		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5] 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 c 0		
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 HwNn	162	
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		
Name	Actual Value		Populé
	6.1389422	Expected Value 6.13894224 ± 0.000009	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32 HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-1.8425044	-1.84250462 ± 0.000009	
HWTqCor_Ch1TraFiltKSV_M_str.Sv_Uis_f32 HwTqCor_Ch1TraFiltKSV_M_str.K_Uis_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(NTC_Cfit_1_enum)	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Falain_Cnt_T_enum)	1	*none*	-
target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value	2	2	-
and a second control of the second control o	<u> </u>	<u> </u> -	

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 2.43 (Repeat Count = 1) Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV Uls f32	1.16100001		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	10		
HwTqCor Ch1SSDiagFiltOut HwNm M f32	-20.1000004		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-4.14519978		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.452199996		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Agr GetNTCActive NTCActive Ptr T I	ac
Rte Inst Sa HwTqCorrin	target_Rte_Inst_Sa_HwTqCorrIn	vigi_delivi daelive_ivi daelive_i ii_i_i	go
k HwTqCor Ch1CMCLPFOpLim HwNm f32	9.90690041		
k_HwTqCor_Ch1SSOpClrFltThd_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		
	9590		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[0]			
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	3197		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[2]	7260		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[3]	8268		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9135		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	114		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	4075		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[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_HwNm_u6p10[0]	7349		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	16395		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8248		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	2984		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	19541		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	17598		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14116		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	10839		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	9370		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	9384		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	6747		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	19025		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	5566		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	4279		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	9665		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8838		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-4.87739992		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	lg 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	_	
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	-1.9366755	-1.93667555 ± 0.000009	ivean
HWTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.3159761	-3.31597614 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.3754651	0.375465065 ± 0.00000009	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101 *nono*	
	1	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 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 2.44 (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	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
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		
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_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	1.21130002		
target HwTqCorrin Per2 HwTq2Val HwNm f32.value	-8.7208004		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
target Rte Inst Sa HwTqCorrin.HwTqCorrin 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 HwTqIdptSig Cnt		
			Daniil 1
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	4.9660501	4.96605015 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.555874	-14.5558739 ± 0.00009	•
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.19748896	0.197488949 ± 0.0000001	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	~
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✓
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	

Test Step Call Trace				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 2.45 (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)	target_Rte_Call_Sa_HwTqCorrln_NxtrDia	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_Ch1TraLPFDepAxis_Hz_u7p9[1] 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_Ch1Tral.PFIndAxis_HwNm_u6p10[11]	4330		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12] t HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	6639 13443		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[14]	2759		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[15]	18644		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16]	18198		
target HwTqCorrIn Per2 HwTq1Val HwNm f32.value	-7.76620007		
target_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	lm_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		
Name	Actual Value	Expected Value	Resul
HwTqCor Ch1LmtTqSum HwNm M f32	-0.02420128	-0.0242012795 ± 0.00000009	11000
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*	•
Tite_oaii_oa_riwiqoonii_rixaBiagiiigi_octiviootatao(otatao_ont_i_chaiii)			

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 2.46 (Repeat Count = 1) Name	Input Value		
	0		
HwTqCor_Ch1Avl_Cnt_M_Igc HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_UIs_f32	0	Ann Cathlee Ading NECA ating Day T In	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	/igi_GetiNTCActive_NTCActive_Pti_T_ig	C
Rte_Inst_Sa_HwTqCorrIn	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		
_ :	1260		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10] 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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Interpretation of the property of the$			
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	-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					✓
	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_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	-	
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	-0.02420128	-0.0242012795 ± 0.00000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-0.72131425	-0.721314311 ± 0.00000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38199133	0.381991297 ± 0.0000001	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	•
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	•

Test Step Call Trace				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_UIs_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_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgd	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
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	17.5107994		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	4483		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	4871		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	478		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3610		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	3463		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5099		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	3557		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	7534		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[8]	2819		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	5666		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	4745		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	1384		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	1796		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	1001		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[14]	4702		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[15]	5569		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[16]	1019		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14565		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	10279		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	8422		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[3]	1827		
	15084		
t_HwTqCor_Ch1Tral.PFIndAxis_HwNm_u6p10[4]	9826		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	4714		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]			
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_			
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_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt	_u08	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	0.57803476	0.578034759 ± 0.00000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	3.4163489	3.41634917 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.19752836	0.197528347 ± 0.0000001	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	
	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)			4
Name	Input Value		·
	0		
HwTqCor_Ch1AvI_Cnt_M_lgc 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	Igr GetNTCActive NTCActive Ptr T Igc	
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		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	5648		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	5372		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	6740		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	5486		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	7089		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	5244		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[6]	1263		
t_HwTqCor_Ch1Tral_PFDepAxis_Hz_u7p9[7]	7414 387		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8] 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 2685		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15] t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[16]	19427		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value	4.19969988		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	0.287800014		
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	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
HwTgCor Ch1LmtTgSum HwNm M f32	1.6165885	1.61658847 ± 0.000009	
HwTqCor Ch1TraFiltKSV M str.SV Uls f32	11.929974	11.9299736 ± 0.00009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.24213159	0.242131621 ± 0.0000001	-
Rte_Call_Sa_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				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	~



In and Males		
	lar GetNTCActive NTCActive Ptr T	lac
		igo
4.59350014		
3.44169998		
2.8499999		
1.60165584		
2.73530006		
0.343100011		
8772		
6990		
1389		
3396		
6436		
5151		
9942		
13047		
17108		
16577		
13524		
6128		
19468		
-9.67020035		
-6.73110008		
g 1		
target_HwTqCorrln_Per2_HwTq1Val_HwNm	_f32	
target_HwTqCorrln_Per2_HwTq2Val_HwNm	_f32	
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_	_u08	
Actual Value	Expected Value	Result
-1.4695501	-1.46955001 ± 0.000009	•
4.8243179	4.82431793 ± 0.000009	•
0.34987754	0.349877536 ± 0.0000001	~
	none	
101		
0 0	0	•
	target_Rte_Inst_Sa_HwTqCorrin 4.59350014 3.44169998 2.8499999 1.60165584 2.73530006 0.343100011 8772 6990 1389 3396 6436 6576 10076 4838 364 29 2861 7821 278 6449 8499 5151 9942 13047 17108 16577 13524 6128 1851 3370 10073 1819 18495 19301 1130 13419 1316 16432 10154 19468 -9.67020035 -6.73110008 g 1 target_HwTqCorrin_Per2_HwTq1Val_HwNm target_HwTqCorrin_Per2_HwTq2Val_HwNm target_HwTqCorrin_Per2_HwTqVal_HwNm target_HwTqCorrin_Per2_HwTqUdptSig_Cnt Actual Value -1.4695501 4.8243179	0 -19.3600006 -6.73110008 5.89709997 8.21150017 0 1arget_Rte_Call_Sa_HwTqCorrin_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_target_Rte_inst_Sa_HwTqCorrin 4.59550014 3.44169998 2.2499999 1.60165564 2.73530006 0.343100011 8772 6990 1.389 3396 6436 6576 10076 4838 3864 29 2.861 7821 278 6449 8499 5151 1708 16577 13524 6128 1851 3370 10073 1819 18495 19301 1130 13419 1316 16432 10154 19468 9-0-67020035 -6.73110008 £ 1 1arget_HwTqCorrin_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrin_Per2_HwTq1Val_HwNm_f32 target_HwTqCorrin_Per3_HwTq1Val_HwNm_f33 target_HwTqCorrin_Per3_HwTq1Val_

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 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_PEDepAxis_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_HwNr	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_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	•



Test Step 2.52 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor Ch1CMCFiltKSV M str.SV UIs f32	1.52199996		
HwTqCor Ch1LmtTqSum HwNm M f32	-4.59740019		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.7438002		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	gMgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.90690041		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	18.5342999		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	6.9382		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	6.03990126		
k_HwTqCor_Ch1TraSumOpClrFltThd_HwNm_f32	1.62769997		
k_HwTqCor_Ch1TraSumOpSetFltThd_HwNm_f32	20		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[0]	10043		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[1]	8167		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[2]	1302		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[3]	3911		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[4]	9116		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[5]	662		
t_HwTqCor_Ch1Tral.PFDepAxis_Hz_u7p9[6]	4068 7616		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[7] t HwTqCor_Ch1TraLPFDepAxis Hz_u7p9[8]	7567		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	7261		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	2446		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	4188		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	8626		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[13]	6425		
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[14]	3818		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	6518		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	1848		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	13025		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	1070		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	250		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	3362		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[4]	10918		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	14379		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	286		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	9956		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	4144		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	19221		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	8170		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	3040		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	3477		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	9980		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[14]	2494		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11740		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	7310		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	-7.89890003 4.50740040		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	-4.59740019		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_		Im 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_HwTqCorrln_Per2_HwTqldptSig_Ci		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTqldptSig_Cnt_u08		_	Page 14
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-1.6507499 -2.6324592	-1.65075004 ± 0.000009 -2.6324594 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32 HwTqCor_Ch1TraFiltKSV_M_str.K_UIs_f32	0.38919938	-2.6324594 ± 0.000009 0.389199317 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_1_enum)	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				
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		
	0		
HwTqCor_Ch1AvI_Cnt_M_Igc HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	4.11499977		
	3.20379996		
HwTqCor_Ch1ScDiogEithOut_Hushin_M_f32			
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.42959976		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	-3.2579999		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.365999997	A CONTRACT NECESTRAL	
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_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	9.05790043		
k_HwTqCor_Ch1SSOpClrFltThd_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_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		
Name	Actual Value	Expected Value	Resu
	-4.796391	•	Rest
HwTqCor_Ch1LmtTqSum_HwNm_M_f32		-4.79639101 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	-3.4636929 0.13370651	-3.4636929 ± 0.000009	
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32		0.133706495 ± 0.0000001	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	*none*	

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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 2.54 (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	
1.m.14001_0.1.11tat ilut0v_ivi_0ti_0to_102	0.28678095	0.286780924 ± 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				
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				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 2.57 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-4.14519978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.74449992		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	15.7357998		
HwTqCor_Ch1TraFiltKSV_M_str.SV_UIs_f32	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
		Mar CotNTCActive NTCActive Dtr T Ice	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiaglitarget_Rte_Inst_Sa_HwTqCorrln	VIGI_GETIT CACTIVE_INTCACTIVE_FTT_T_IGC	
Rte_Inst_Sa_HwTqCorrIn k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	14.3156004		
k HwTqCor Ch1SSOpClrFltThd HwNm f32			
	14.3016005 0.436300009		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32			
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 HwTqCorrin Per2 HwTq1Val HwNm f32.value	-3.7888		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	3.74449992		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_		m f22	
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	target_HwTqCorrln_Per2_HwTqIdptSig_Cnt	L_UU0	
Name HwTqCor Ch1LmtTqSum HwNm M f32	Actual Value -0.97456682	Expected Value -0.974566817 ± 0.00000009	Resul

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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				
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)			V
Name	Input Value		
HwTqCor_Ch1Avl_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	lar GetNTCActive NTCActive Ptr T lac	
Rte_Inst_Sa_HwTqCorrln	target Rte Inst Sa HwTqCorrln	3	
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_riz_urps[o]	1392		
t HwTqCor Ch1TraLPFDepAxis_nz_urps[9]	6217		
	2474		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	8864		
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]			
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	<u>c</u> 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq1Val_HwNm	_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per2_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per2_HwTq2Val_HwNm	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	-1.3027999	-1.30280006 ± 0.000009	~
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.358665	-11.3586664 ± 0.00009	V
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(Param_Cnt_T_u08)	0	0	
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	·
target_HwTqCorrln_Per2_HwTqIdptSig_Cnt_u08.value	0	0	
targot_riwirqoomii_Feiz_riwirqiuptoig_ont_uoo.value	•	V	

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	✓



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				✓
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	-7.74510002		
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	0.219500005		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	8.21150017		
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiag	Mgr_GetNTCActive_NTCActive_Ptr_T_	lgc
Rte_Inst_Sa_HwTqCorrln	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		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	9412		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[11]	7938		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	11751		
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[13]	16027		
t HwTqCor Ch1TraLPFIndAxis_HwNm_u6p10[14]	2694		
t HwTqCor Ch1TraLPFIndAxis_HwNm_u6p10[15]	19795		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	16900		
target_HwTqCorrIn_Per2_HwTq1Val_HwNm_f32.value target HwTqCorrIn Per2 HwTq2Val HwNm f32.value	9.92000008 -7.74510002		
· - · ·			
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_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	_	1_
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	2.5694923	2.56949234 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	6.0336123	6.03361225 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.38601291	0.386012882 ± 0.0000001	-
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	*none*	-
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	*none*	•
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	~
Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive	1	Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive	1	✓



Test Step 2.61 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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_NxtrDiagN	Igr_GetNTCActive_NTCActive_Ptr_T_lg	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	16.4972		
k_HwTqCor_Ch1SSOpClrFltThd_HwNm_f32	13.7902002		
k_HwTqCor_Ch1SSOpSetFltThd_HwNm_f32	3.33859992		
k_HwTqCor_Ch1TqSumLim_HwNm_f32	1.19561887		
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_Ch1TraLPFIndAxis_HwNm_u6p10[15]	11196		
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[16]	8838		
target_HwTqCorrln_Per2_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per2_HwTq2Val_HwNm_f32.value	6.46390009		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_			
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_HwTqldptSig_Cnt_u08	target_HwTqCorrln_Per2_HwTqldptSig_Cnt		
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.1956189	1.19561887 ± 0.000009	•
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-2.6853154	-2.68531561 ± 0.000009	✓
HwTqCor_Ch1TraFiltKSV_M_str.K_Uls_f32	0.12858856	0.128588557 ± 0.0000001	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	*none*	•
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
target_HwTqCorrln_Per2_HwTqldptSig_Cnt_u08.value	0	0	_

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



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		
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	
target_riwrqooniir_reiz_riwrqiuptoig_ont_uoo.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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Name	Actual Value	Expected Value	Result
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 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)	· Carlotte and Car
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_Uls_f32	0.44999988
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1CMCLPFOpLim_HwNm_f32	17.3047009
k_HwTqCor_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 HwTqCor Ch1TraLPFDepAxis Hz u7p9[7]	5766
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[8]	8423
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[9]	10201
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[10]	3694
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[11]	2515
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[12]	3810
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[13]	4018
t HwTqCor Ch1TraLPFDepAxis Hz u7p9[14]	9284
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[15]	2472
t_HwTqCor_Ch1TraLPFDepAxis_Hz_u7p9[16]	3699
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[0]	14265
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[1]	11327
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[2]	9663
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[3]	5752
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[4]	16731
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[5]	10942
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[6]	14598
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[7]	11532
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[8]	16846
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[9]	20403
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[10]	7389
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[11]	5030
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[12]	7619
t_HwTqCor_Ch1TraLPFIndAxis_HwNm_u6p10[13]	8037
t HwTqCor Ch1TraLPFIndAxis HwNm u6p10[14]	18569

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HwTqCorrin_Per2	, 10.07.00	Razon	cat
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_lc	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_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_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	Iç 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_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 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	~

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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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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: Module 'HwTqCorrIn' 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	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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\HwTgCorrln 2TgADAS 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_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	а	
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 UIs f32	12.4720001		
HwTqCor Ch1CMCFiltKSV M str.K UIs 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		
target_HwTqCorrln_Per3_HwTqVal_HwNm_f32.value	-6.51609993		
target_Pim_HwTqCorrlnCh1CMCLPFSvData	6.59880018		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_	_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLP	FSvData	
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 HwTgCorrlnCh1CMCLPFSvData	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 2350.00 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
TS2.6HwTqVal_HwNm_f32==>Zero
TS2.7HwTqVal_HwNm_f32==>Neg
TS2.8HwTqCor_Ch1TraFiltKSV_M_str.SV==>Max
TS2.9HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.11HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.12HwTqCor_Ch1TraFiltKSV_M_str.SV==>Pos
TS2.13HwTqCor_Ch1TraFiltKSV_M_str.SV==>Neg
TS2.13HwTqCor_Ch1TsFiltKSV_M_str.SV==>Neg
TS2.13HwTqCor_Ch1SSFiltKSV_M_str.SV=>Min
TS2.14HwTqCor_Ch1SSFiltKSV_M_str.SV=>Min

TS2.14HWTqCor_Ch1SSFiltKSV_M_str.SV==>Max TS2.15HwTqCor_Ch1SSFiltKSV_M_str.SV==>Pos TS2.16HwTqCor_Ch1SSFiltKSV_M_str.SV==>Zero

TS2.16HW1qCor_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 HwTgCorrin	target Rte Inst Sa HwTgCorrin	

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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_H	lwNm_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	-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)			✓
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_HwTqCorrIn		
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_HwTqVal_HwNm_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	ì	
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					
Actual Function	Count	Expected Function	Count	Result	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~	
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~	
Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	~	

Test Step 2.4 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	10.3999996		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.215499997		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.861400008		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	11.427		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.264999986		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-14.4519997		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_HwNn	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ata	
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_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwN	m_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvD	ata	
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	✓

Count Expected Function

SuspendAllInterrupts

ResumeAllInterrupts

Test Step Call Trace

Actual Function

SuspendAllInterrupts

ResumeAllInterrupts

Count Result



Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	-14.4239998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.565599978		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.861400008		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-16.2700005		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.874800026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	12.4720001		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.33949995		
k_HwTqCor_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_UIs_f32	-6.7529936	-6.75299358 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.8041997	5.80420017 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.8735027	8.87350178 ± 0.000009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-6.7529936	-6.75299358 ± 0.000009	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	~
SuspendAllInterrupts	1	SuspendAllInterrupts	1	•
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•
$Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockS$	1	Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockStatus	1	~

Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	12.4720001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.156000003		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.532999992		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-18.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.953100026		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_	<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	10.44322	10.4432201 ± 0.00009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	8.1427116	8.14270973 ± 0.000009	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	8.1427116	8.14270973 ± 0.000009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	10.44322	10.4432201 ± 0.00009	~

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

Test Step 2.8 (Repeat Count = 1)		✓
Name	Input Value	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	9.44999981	
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.256599993	
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	7.92080021	
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.3999996	
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.543600023	
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-20	

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Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_HwNr	n_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ata	
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				
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_HwTqCorrIn	target_Rte_Inst_Sa_HwTqCorrIn		
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_HwTqVal_HwNm_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	ì	
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_UIs_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				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 HwTgCorrin HwTgCorrinCh1CMCLPFSvBlk SetRamBlockStatus	1	_		





Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_f32	5.4000001		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.449999988		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	3.58389997		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	9		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.470299989		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	5.25		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	7.52759981		
k_HwTqCor_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_HwTqCorrlnCh1CMCLPFSvDa	ta	
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				
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	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	



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Name	Input Value		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_HwTqCorrlnCh1CMCLPFSvData		
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_Uls_f32	-11.5424004		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.360000014		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-5.70749998		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.545409977		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-11.5419998		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCo	rrin	
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	TqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh10	CMCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-9.4418364	-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 UIs f32	-16.2700005			
HwTqCor Ch1CMCFiltKSV M str.K Uls f32	0.112000003			
HwTqCor Ch1LmtTqSum HwNm M f32	2.64779997			
HwTqCor Ch1SSFiltKSV M str.SV UIs 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_HwTqCorrlnCh1CN	1CLPFSvData		
Name	Actual Value	Expected Value	Result	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-16.27	-16.2700005 ± 0.00009	•	
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	6.8645997	6.86460018 ± 0.000009	•	
HwTqCor Ch1SSFiltKSV M str.SV Uls f32	11.10752	11.1075201 ± 0.00009		

HwTqCorrln_Per3

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

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

Test Step 2.15 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.51999998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.257999986		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.57439995		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5419998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_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_HwTqCorrlnCh1CMCLPFSvData	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	7.7084718	7.70847178 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	10.183833	10.1838331 ± 0.00009	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.183833	10.1838331 ± 0.00009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	7.7084718	7.70847178 ± 0.000009	~

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

Test Step 2.18 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-5.51999998		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.257999986		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	1.57439995		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.5419998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_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_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	-3.6896448	-3.68964481 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-11.542	-11.5419998 ± 0.00009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-11.542	-11.5419998 ± 0.00009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	-3.6896448	-3.68964481 ± 0.000009	~

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

Test Step 2.19 (Repeat Count = 1)		✓
Name	Input Value	
HwTqCor_Ch1CMCFiltKSV_M_str.SV_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 HwTqCorrin	target Rte Inst Sa HwTgCorrIn		
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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDat	a	
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				
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_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	1	
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_HwTqCorrIn		
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_HwN	lm_f32	
$target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData$	target_Pim_HwTqCorrlnCh1CMCLPFSvE	Data	
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	~	

Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_HwTqCorrIn		
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_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	-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_l	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	-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	~

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_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_HwTqV	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	-

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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 HwTgCorrlnCh1CMCLPFSvData	-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	•
$Rte_Call_Sa_HwTqCorrln_HwTqCorrlnCh1CMCLPFSvBlk_SetRamBlockSuperscript{\columnwidth}{Chromosophical Control of the control o$	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_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvDa	ta	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	4.4825678	4.48256779 ± 0.000009	✓
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.5194001	5.51940012 ± 0.000009	✓
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.034678	10.0346785 ± 0.00009	✓
target_Pim_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	~

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_HwTqCorrln		
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_HwTq\	/al_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	-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_HwN	m_f32	
$target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData$	target_Pim_HwTqCorrlnCh1CMCLPFSvD	ata	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	2.8611689	2.86116886 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	5.5194001	5.51940012 ± 0.000009	~
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	10.034678	10.0346785 ± 0.00009	~
target_Pim_HwTqCorrlnCh1CMCLPFSvData	2.8611689	2.86116886 ± 0.000009	~

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

Test Step 2.32 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-20		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	0.254999995		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-3.25740004		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	-18.4239998		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.36500001		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	9.44999981		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_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	✓

Actual Function	Count	Expected Function	Count	Result
SuspendAllInterrupts	1	SuspendAllInterrupts	1	~
ResumeAllInterrupts	1	ResumeAllInterrupts	1	•

Test Step Call Trace



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_HwTqCorrlnCh1CMCLPFSvDat	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_UIs_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_HwTqCorrln		
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_HwTqVa	I_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	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

 $target_Pim_HwTqCorrlnCh1CMCLPFSvData$

HwTqCorrln_Per3



-1.78110003 ± 0.000009

Name	Input Value		
Rte_Inst_Sa_HwTqCorrIn	target_Rte_Inst_Sa_HwTqC	orrin	
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_H	wTqVal_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1	CMCLPFSvData	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-1.7811	-1.78110003 ± 0.000009	~
HwTqCor_Ch1SSDiagFiltOut_HwNm_M_f32	-13.805301	-13.8052998 ± 0.00009	~
HwTgCor Ch1SSFiltKSV M str.SV Uls f32	-14.424	-14.4239998 ± 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	~

-1.7811

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_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
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_HwTqCorrInCh1CMCLPFSvData	-8.5934		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per3_HwTqVal_HwNm_f32	target_HwTqCorrln_Per3_HwTqVal_HwNm_	<u>f</u> 32	
target_Rte_Inst_Sa_HwTqCorrIn.Pim_HwTqCorrInCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLPFSvData	a .	
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	✓

HwTqCorrln_Per3

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Name	Actual Value	Expected Value	Result
target Pim HwTgCorrlnCh1CMCLPESvData	11 469513	11 4695129 + 0 00009	V

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

Test Step 2.38 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1CMCFiltKSV_M_str.SV_Uls_f32	-19.5400009		
HwTqCor_Ch1CMCFiltKSV_M_str.K_Uls_f32	1		
HwTqCor_Ch1LmtTqSum_HwNm_M_f32	-0.0465999991		
HwTqCor_Ch1SSFiltKSV_M_str.SV_Uls_f32	1.20000005		
HwTqCor_Ch1SSFiltKSV_M_str.K_Uls_f32	0.895399988		
HwTqCor_Ch1TraFiltKSV_M_str.SV_Uls_f32	-16.2700005		
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1CMCLPFActvnThd_HwNm_f32	14.2279997		
k_HwTqCor_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	a	
Name	Actual Value	Expected Value	Result
HwTqCor_Ch1CMCFiltKSV_M_str.SV_UIs_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_	_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.Pim_HwTqCorrlnCh1CMCLPFSvData	target_Pim_HwTqCorrlnCh1CMCLP	FSvData	
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	~

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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/Spe	ecification
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
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): 433
Total RAM Used (Bytes): 444
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_132' 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_132". 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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)

TS1.1 784.00 Cycles
TS1.2 847.00 Cycles
TS1.3 815.00 Cycles
TS1.4 800.00 Cycles
TS1.5 800.00 Cycles
TS1.6 800.00 Cycles
TS1.7 800.00 Cycles
TS1.8 800.00 Cycles
TS1.9 800.00 Cycles
TS1.18 800.00 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
TS1.24 836.00 Cycles
TS1.25 800.00 Cycles
TS1.26 800.00 Cycles
TS1.27 F35.00 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
TS1.24 830.00 Cycles
TS1.25 800.00 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
TS1.35 799.00 Cycles
TS1.36 800.00 Cycles

Description

Vector Description:

TS1.1All Min TS1.2All Max

TS1.3HwTq1Qlfr_State_enum==>SIGQLFR_NORES
TS1.4HwTq1Qlfr_State_enum==>SIGQLFR_PASS
TS1.5HwTq1Qlfr_State_enum==>SIGQLFR_FAIL TS1.5HWTq1QIII_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

TS1.11HwTq1RollgCntr_Cnt_u08==>Pos
TS1.12HwTq2RollgCntr_Cnt_u08==>Min
TS1.13HwTq2RollgCntr_Cnt_u08==>Max
TS1.13HwTq2RollgCntr_Cnt_u08==>Pos
TS1.15HwTq1Val_HwNm_f32==>Max
TS1.16HwTq1Val_HwNm_f32==>Max
TS1.17HwTq1Val_HwNm_f32==>Pos
TS1.18HwTq1Val_HwNm_f32==>Neg
TS1.20HwTq2Val_HwNm_f32==>Min
TS1.20HwTq2Val_HwNm_f32==>Max
TS1.22HwTq2Val_HwNm_f32==>Pos

TS1.22HwTq2Val_HwNm_f32==>Pos
TS1.22HwTq2Val_HwNm_f32==>Zero
TS1.23HwTq2Val_HwNm_f32==>Neg
TS1.24HwTq2Val_HwNm_f32==>Neg
TS1.25HwTqCor_Ch1Avl_Cnt_M_lgc==>Min
TS1.26HwTqCor_Ch1Avl_Cnt_M_lgc==>Max
TS1.27k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32==>Min
TS1.29k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32==>Min

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

TS1.39HwTqCor_CritindtCorlinCtkFairTnd_HwNin_i32==>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) 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 $HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08$ n HwTqCor_HwTq2LstStallCnt_Cnt_M_u08 $Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)$ $target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc$ Rte_Inst_Sa_HwTqCorrIn target_Rte_Inst_Sa_HwTqCorrIn k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32 0 $k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32$ 0

HwTqCorrln_Per1

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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 Ic	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_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_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				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 1.2 (Repeat Count = 1)			V
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	1		
HwTqCor_CorrInPass_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	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	20		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	20		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	10		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_	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_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	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_CorrlnPass_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_Ch1ImdtCorrInChkFailThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_terms and the properties of t$	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	~
CorrInSigAvlChk	2	CorrInSigAvlChk	2	~

e Cor_Ch1AvI_Cnt_M_lgc	Input Value 0 0		
Cor_Ch1AvI_Cnt_M_lgc	· ·		
	0		
Cor_CorrInPass_Cnt_M_lgc			
Cor_HwTq1LstRollgCnt_Cnt_M_u08	135		
Cor_HwTq1LstStallCnt_Cnt_M_u08	42		
Cor_HwTq2LstRollgCnt_Cnt_M_u08	42		
Cor_HwTq2LstStallCnt_Cnt_M_u08	152		
Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrD	iagMgr_GetNTCActive_NTCActive_Ptr_T_I	igc
nst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
TqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	2.54999995		
TqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	1.25		
_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	25		
_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	3.24000001		
_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	35		
_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr	T I <u>c</u> 0		
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_S	tate_enum	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgC	cntr_Cnt_u08	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_H	wNm_f32	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_S	tate_enum	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgC	cntr_Cnt_u08	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_H	wNm_f32	
_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnS	ts_Cnt_u16	
e	Actual Value	Expected Value	Result
Cor_Ch1AvI_Cnt_M_lgc	1	1	~
			~

HwTqCorrln_Per1

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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	~
CorrInSigAvIChk	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_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	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 Ptr T I	c 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_CorrlnPass_Cnt_M_lgc	1	1	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	125	125	~
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	•
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	9	9	~
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	•
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_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

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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_lo	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_Ch1Avl_Cnt_M_lgc	1	1	~
HwTqCor_CorrlnPass_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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓

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_NxtrDia	gMgr_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_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	164		
target_HwTqCorrIn_Per1_HwTq2Val_HwNm_f32.value	-7.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_$	_lg 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_Sta	te_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgCnf	tr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_Hwf	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_Sta	te_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgCnt	tr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_Hwf	Nm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSts	_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	1
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	✓



= 101 10 (D 10 11)			
Test Step 1.8 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	9		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	12		
Rte_Call_Sa_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_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_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	12		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_leading the continuous con$	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	0	0	~
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	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	CorrlnSigAvlChk	2	~

Test Step 1.9 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_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	Igr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	19.25		
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	0		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	32		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_log_NtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_log_NtrDiagMgr_GetNTCActive_N$	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	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	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	1	1	~
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	•
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	~

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

Test Step Call Trace				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				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 1.11 (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
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	152
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	6.35400009
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2

 $target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value$

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_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** Result Name 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 0 HwTqCor_HwTq2LstStallCnt_Cnt_M_u08

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	•

0

Test Step 1.12 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	32		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	36		
Rte_Call_Sa_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	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_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	0		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	5.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_T_{active}$	<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_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_Igc	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	1
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	•



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	0		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	142		
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	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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_NTCActive_Ptr(Active_Ptr(Active_NTCActive_Ptr(Acti$	_T_lg 0		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1	Qlfr_State_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1	RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1	Val_HwNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2	Qlfr_State_enum	
$target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08222222222222222222222222222222222222$	target_HwTqCorrln_Per1_HwTq2	RollgCntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2	Val_HwNm_f32	
$target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16$	target_HwTqCorrln_Per1_HwTqC	orrInSts_Cnt_u16	
Name	Actual Value	Expected Value	Resu
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				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 1.14 (Repeat Count = 1)			_
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	255		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	25		
Rte_Call_Sa_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	3.25500011		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	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_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_CorrlnPass_Cnt_M_lgc	1	1	-
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	185	185	-

target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value

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HwTqCorrln_Per1	,	7	*azorcat
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	✓

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 1.15 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_Igc	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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_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		
$target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	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_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	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	-
HwTqCor_CorrInPass_Cnt_M_Igc	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					
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	✓	

Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_Igc	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	_lgc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	1.75
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	244
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1

HwTqCor_HwTq2LstStallCnt_Cnt_M_u08

 $target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value$

HwTqCorrln_Per1

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Input Value target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value 65 target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value 3.24000001 $target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lg \ \ 0$ $target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum$ 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_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16 $target_Rte_Inst_Sa_HwTqCorrIn.HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16$ **Actual Value Expected Value** Result Name HwTqCor_Ch1Avl_Cnt_M_lgc $HwTqCor_CorrInPass_Cnt_M_lgc$ 0 0 HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08 244 244 0 0 $HwTqCor_HwTq1LstStallCnt_Cnt_M_u08$ HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08 65 65 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	~

0

Test Step 1.17 (Repeat Count = 1)			✓
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	gr_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	6.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	135		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	9.22200012		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	42		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	5.25		
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_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_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	✓		



T (0) (40/P (0) (10)			
Test Step 1.18 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	253		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	199		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	152		
Rte_Call_Sa_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	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_Instructions and the property of the $	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	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	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	0	0	~
HwTqCor_CorrInPass_Cnt_M_Igc	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	~	

T+ 04 4.40 (B+ 0+ -4)			
Test Step 1.19 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	25		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	12		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	24		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	244		
Rte_Call_Sa_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	18.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	17.25		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrIn_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	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_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	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	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓	

Test Step 1.20 (Repeat Count = 1)			
Name	Input Value		
HwTqCor_Ch1AvI_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	lgr_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_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_	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_CorrlnPass_Cnt_M_lgc	0	0	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	35	35	•
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	0	0	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	12	12	~
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	136	136	•
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvlChk	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_I	gc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	3.25
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	3.25500011
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	9
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	-1.5
target HwTqCorrln Per1 HwTq2Qlfr State enum.value	1

 $target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value$

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_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** Result **Expected Value** 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	~	
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	•	

0

Took Ston 4.22 (Poncet Count = 4)			
Test Step 1.22 (Repeat Count = 1) Name	In not Walter		
	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc			
HwTqCor_CorrInPass_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)		agMgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	14.25		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	1.255		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	175		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	8.25		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	125		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	4.25		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_incorrln_NxtrDiagMgr_GetNTCActive_NTC$	Γ_lg 1		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Qlfr_St	ate_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1RollgC	ntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Val_Hv	vNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Qlfr_St	ate_enum	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2RollgC	ntr_Cnt_u08	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Val_Hv	vNm_f32	
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCorrlnSt	s_Cnt_u16	
Name	Actual Value	Expected Value	Resul
HwTqCor_Ch1Avl_Cnt_M_lgc	0	0	•
HwTqCor_CorrInPass_Cnt_M_lgc	0	0	
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175	175	1
HwTqCor HwTq1LstStallCnt Cnt M u08	0	0	
HwTqCor HwTq2LstRollgCnt Cnt M u08	125	125	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 1.23 (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				
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 1.24 (Repeat Count = 1)			~
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	gr_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	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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_leading for the control of the control$	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_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_Ch1Avl_Cnt_M_lgc	1	1	~
HwTqCor_CorrlnPass_Cnt_M_lgc	0	0	~
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	12	12	~

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

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvIChk	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	CorrlnSigAvlChk	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_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	14.25
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	14.25
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	25
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	5.25
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1

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Name	Input Value			
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	0			
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	-3.54999995			
target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr	_T_lg 0			
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq1Ql	r_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq1Rd	llgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq1Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq1Va	I_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Qlfr_State_enum	target_HwTqCorrln_Per1_HwTq2Ql	r_State_enum		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqCorrln_Per1_HwTq2Rc	target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTq2Val_HwNm_f32	target_HwTqCorrln_Per1_HwTq2Va	target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32		
target_Rte_Inst_Sa_HwTqCorrln.HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16	target_HwTqCorrln_Per1_HwTqCor	rlnSts_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	25	25	~	
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	1	1	✓	
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✓	
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	✓	
target HwTqCorrln Per1 HwTqCorrlnSts Cnt u16.value	3	3	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~

Test Step 1.27 (Repeat Count = 1)			•
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_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_NxtrDiagN	/lgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	0		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_I$	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_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	•	



T + 0+ + 00 (D + + 0 + +)			
Test Step 1.28 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_Igc	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_NxtrDiagM	gr_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	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_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_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	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	~
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	~

Test Step 1.29 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrlnPass_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_NxtrDiagl	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln		
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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_Target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive$	_lc 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_Ch1Avl_Cnt_M_lgc	1	1	~
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	-
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	128	128	•

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

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

Test Step 1.30 (Repeat Count = 1)			~
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	0		
HwTqCor_CorrInPass_Cnt_M_Igc	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	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_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		
$target_Rte_Call_Sa_HwTqCorrIn_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	<u>lc</u> 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	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	Result
HwTqCor_Ch1AvI_Cnt_M_lgc	1	1	-
HwTqCor_CorrInPass_Cnt_M_Igc	1	1	/
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	52	52	•
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	136	136	~
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	135	135	~
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	~
target HwTqCorrln Per1 HwTqCorrlnSts Cnt u16.value	3	3	✓

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

Name	Input Value
HwTqCor Ch1Avl Cnt M Igc	1
HwTqCor_CorrInPass_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_HwTqCorrIn
k_HwTqCor_Ch1ImdtCorrInChkFailThd_HwNm_f32	1.25
k_HwTqCor_Ch1lmdtCorrlnChkPassThd_HwNm_f32	3.25500011
target_HwTqCorrIn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqCorrIn_Per1_HwTq1RollgCntr_Cnt_u08.value	144
target_HwTqCorrIn_Per1_HwTq1Val_HwNm_f32.value	-1.25
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2

 $target_HwTqCorrIn_Per1_HwTqCorrInSts_Cnt_u16.value$

HwTqCorrln_Per1

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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_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** Result Name HwTqCor_Ch1Avl_Cnt_M_lgc $HwTqCor_CorrInPass_Cnt_M_lgc$ 0 0 HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08 144 144 $HwTqCor_HwTq1LstStallCnt_Cnt_M_u08$ 186 186 HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08 185 185 0 0 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	~		
CorrInSigAvlChk	2	CorrlnSigAvlChk	2	✓		

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Test Step 1.32 (Repeat Count = 1)			·
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	1		
HwTqCor_CorrInPass_Cnt_M_lgc	1		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	215		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	36		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	12		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T_lgc)	target_Rte_Call_Sa_HwTqCorrln_NxtrDiagN	Mgr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	2.25		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_HwNm_f32	0		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	1		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	65		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	9.22200012		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	1		
target_HwTqCorrIn_Per1_HwTq2RollgCntr_Cnt_u08.value	215		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	8.22000027		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_Signature = 0.0000000000000000000000000000000000$	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	0	0	•
HwTqCor CorrlnPass Cnt M Igc	1	1	
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	65	65	
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	216	216	
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	215	215	
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	

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



Test Step 1.33 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor Ch1Avl Cnt M lgc	0		
HwTqCor_CorrInPass_Cnt_M_lgc	0		
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	42		
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	244		
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	142		
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	25		
Rte_Call_Sa_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_Ch1ImdtCorrInChkFailThd_HwNm_f32	1.255		
k_HwTqCor_Ch1ImdtCorrInChkPassThd_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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_total for the control of the control o$	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_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)			~
Name	Input Value		
HwTqCor_Ch1Avl_Cnt_M_lgc	1		
HwTqCor_CorrInPass_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_NxtrDiagM	gr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrIn	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		
$target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgrame and the property of the proper$	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_Ch1Avl_Cnt_M_lgc	1	1	~
HwTqCor_CorrInPass_Cnt_M_lgc	1	1	~
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	199	199	~

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

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

Test Step 1.35 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_Igc	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	gr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrInChkFailThd_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_locations	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	0	0	~
HwTqCor_CorrlnPass_Cnt_M_lgc	1	1	✓
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	24	24	•
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	254	254	•
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	253	253	•
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	0	0	•
target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value	0	0	•

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~		
CorrInSigAvIChk	2	CorrInSigAvlChk	2	~		

Name	Input Value
HwTqCor_Ch1AvI_Cnt_M_lgc	1
HwTqCor_CorrlnPass_Cnt_M_lgc	1
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	175
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	12
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	255
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	175
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive(NTCActive_Ptr_T	_lgc) target_Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive_NTCActive_Ptr_T_lgc
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrln
k_HwTqCor_Ch1ImdtCorrInChkFailThd_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_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_Igc	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	~

 $target_HwTqCorrln_Per1_HwTqCorrlnSts_Cnt_u16.value$

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0



HwTqCorrln_Per1	,	Razon	at_
Name	Actual Value	Expected Value	Result
HwTqCor_CorrInPass_Cnt_M_Igc	0	0	~
HwTqCor_HwTq1LstRollgCnt_Cnt_M_u08	0	0	~
HwTqCor_HwTq1LstStallCnt_Cnt_M_u08	1	1	✓
HwTqCor_HwTq2LstRollgCnt_Cnt_M_u08	0	0	~
HwTqCor_HwTq2LstStallCnt_Cnt_M_u08	1	1	~

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 2.2 (Repeat Count = 1)			✓
Name	Input Value		
HwTqCor_Ch1AvI_Cnt_M_lgc	1		
HwTqCor_CorrInPass_Cnt_M_Igc	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_NxtrDiagM	gr_GetNTCActive_NTCActive_Ptr_T_lgc	
Rte_Inst_Sa_HwTqCorrln	target_Rte_Inst_Sa_HwTqCorrIn		
k_HwTqCor_Ch1ImdtCorrlnChkFailThd_HwNm_f32	20		
k_HwTqCor_Ch1ImdtCorrlnChkPassThd_HwNm_f32	20		
target_HwTqCorrln_Per1_HwTq1Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq1RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq1Val_HwNm_f32.value	10		
target_HwTqCorrln_Per1_HwTq2Qlfr_State_enum.value	2		
target_HwTqCorrln_Per1_HwTq2RollgCntr_Cnt_u08.value	255		
target_HwTqCorrln_Per1_HwTq2Val_HwNm_f32.value	10		
target Rte Call Sa HwTqCorrln NxtrDiagMgr GetNTCActive NTCActive Ptr T I	c 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	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	Rte_Call_Sa_HwTqCorrln_NxtrDiagMgr_GetNTCActive	1	~
CorrInSigAvIChk	2	CorrInSigAvIChk	2	~

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 Project
 HwTqCorrln_2

 Module
 HwTqCorrln

 Test Object
 CorrlnSigAvlChk

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
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): 433
Total RAM Used (Bytes): 444
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_132' 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_132". 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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: Range Test Performance Metrics (With "None" Instrumentation and WithPS Environment) Specification CPU Cycles: TS1.1 136.00 Cycles TS1.2 95.00 Cycles TS1.2 95.00 Cycles TS1.3 110.00 Cycles TS1.3 110.00 Cycles TS1.4 110.00 Cycles TS1.5 110.00 Cycles TS1.6 110.00 Cycles TS1.7 110.00 Cycles TS1.9 110.00 Cycles TS1.10 110.00 Cycles TS1.11 110.00 Cycles TS1.11 110.00 Cycles TS1.12 110.00 Cycles TS1.13 127.00 Cycles TS1.14 110.00 Cycles TS1.15 110.00 Cycles TS1.16 110.00 Cycles TS1.17 110.00 Cycles TS1.18 110.00 Cycles TS1.19 119.00 Cycles TS1.19 119.00 Cycles TS1.20 110.00 Cycles

Description Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3SigRollg_Cnt_T_u08==>Min
TS1.4SigRollg_Cnt_T_u08==>Max
TS1.5SigRollg_Cnt_T_u08==>Pos
TS1.6SigQlfr_Cnt_T_enum==>SIGQLFR_NORES
TS1.7SigQlfr_Cnt_T_enum==>SIGQLFR_PASS
TS1.8SigQlfr_Cnt_T_enum==>SIGQLFR_FAIL
TS1.9LstRollg_Cnt_T_u08==>Max
TS1.10LstRollg_Cnt_T_u08==>Max
TS1.11LstRollg_Cnt_T_u08==>Pos
TS1.12LstStall_Cnt_T_u08==>Min
TS1.13LstStall_Cnt_T_u08==>Max
TS1.14LstStall_Cnt_T_u08==>Max
TS1.15MaxStall_Cnt_T_u08==>Max
TS1.15MaxStall_Cnt_T_u08==>Max
TS1.15MaxStall_Cnt_T_u08==>Max
TS1.15MaxStall_Cnt_T_u08==>Max
TS1.17MaxStall_Cnt_T_u08==>Max
TS1.18StallCntOutp_Cnt_T_u08==>Max
TS1.19StallCntOutp_Cnt_T_u08==>Max
TS1.20StallCntOutp_Cnt_T_u08==>Pos TS1.1All Min

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_u0	8	
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		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	2		
SigRollg_Cnt_T_u08	255		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u0	8	
target_StallCntOutp_Cnt_T_u08	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_u0	08	
target_StallCntOutp_Cnt_T_u08	25		
Name	Actual Value	Expected Value	Result
CorrInSigAvlChk()	1	1	~
target_StallCntOutp_Cnt_T_u08	0	0	~

Test Step Call Trace					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
CorrInSigAvIChk()	1	1	~
target_StallCntOutp_Cnt_T_u08	0	0	~

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

Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
LstRollg_Cnt_T_u08	9		
LstStall_Cnt_T_u08	25		
MaxStall_Cnt_T_u08	12		
SigQlfr_Cnt_T_enum	2		
SigRollg_Cnt_T_u08	12		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u0	08	
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
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 1.10 (Repeat Count = 1)			V
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				V
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
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 1.12 (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
CorrInSigAvIChk()	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
CorrInSigAvlChk()	0	0	~
target_StallCntOutp_Cnt_T_u08	0	0	~

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

Test Step 1.14 (Repeat Count = 1)			✓
Name	Input Value		
LstRollg_Cnt_T_u08	65		
LstStall_Cnt_T_u08	125		
MaxStall_Cnt_T_u08	255		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	253		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u0	8	
target_StallCntOutp_Cnt_T_u08	36		
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 1.15 (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)			Y
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
CorrInSigAvlChk()	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				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Test Step 1.18 (Repeat Count = 1)			✓
Name	Input Value		
LstRollg_Cnt_T_u08	12		
LstStall_Cnt_T_u08	253		
MaxStall_Cnt_T_u08	199		
SigQlfr_Cnt_T_enum	0		
SigRollg_Cnt_T_u08	142		
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08	3	
target_StallCntOutp_Cnt_T_u08	0		
Name	Actual Value	Expected Value	Result
CorrlnSigAvlChk()	1	1	~
target_StallCntOutp_Cnt_T_u08	Ō	0	✓

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

Test Step 1.19 (Repeat Count = 1) Name	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_u0	08		
target_StallCntOutp_Cnt_T_u08	142			
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 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				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	•