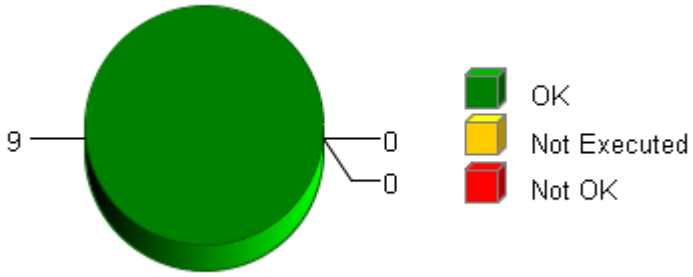
Summary

Total Test Objects:	9
Successful:	9
Failed:	0
Not Executed:	0
Date:	2016-10-26
Time:	20:16:26+0530

Overall Test Object Results (including Coverage)



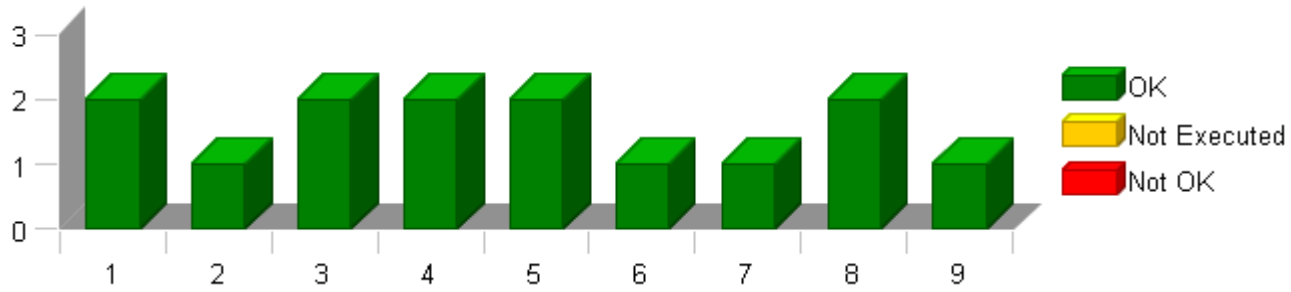
Selected Project Items

Test Object "CBD_UnitTest/HwTqArbn/ArbnSigAvlChk"
Test Object "CBD_UnitTest/HwTqArbn/HwTqArbn_Init1"
Test Object "CBD_UnitTest/HwTqArbn/HwTqArbn_Per1"
Test Object "CBD_UnitTest/HwTqArbn/HwTqArbn_Per2"
Test Object "CBD_UnitTest/HwTqArbn/HwTqArbn_Per3"
Test Object "CBD_UnitTest/HwTqArbn/HwTrqArbn_SCom_ClrHwTrqArbOffsetTrim"
Test Object "CBD_UnitTest/HwTqArbn/HwTrqArbn_SCom_ReadHwTrqArbOffsetTrim"
Test Object "CBD_UnitTest/HwTqArbn/HwTrqArbn_SCom_SetHwTrqArbOffsetTrim"
Test Object "CBD_UnitTest/HwTqArbn/HwTrqArbn_SCom_WriteHwTrqArbOffsetTrim"

Used Test Environments

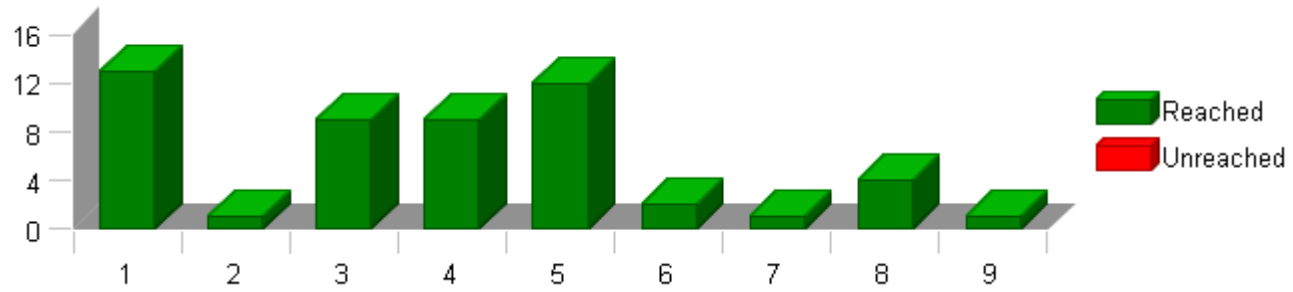
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



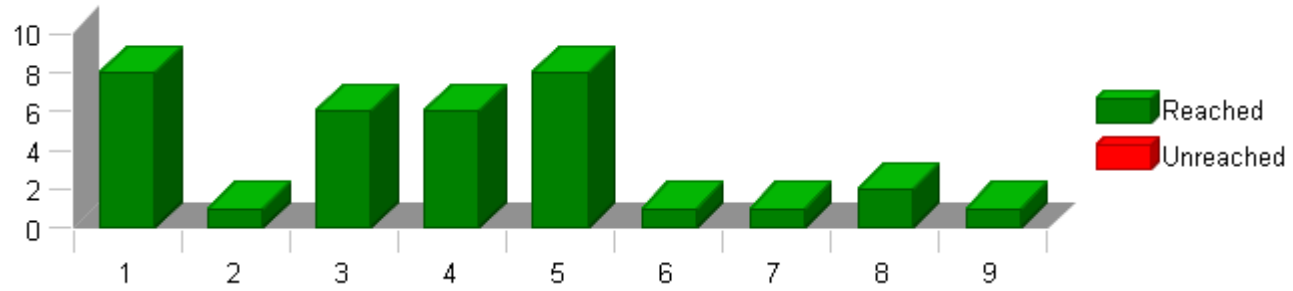
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



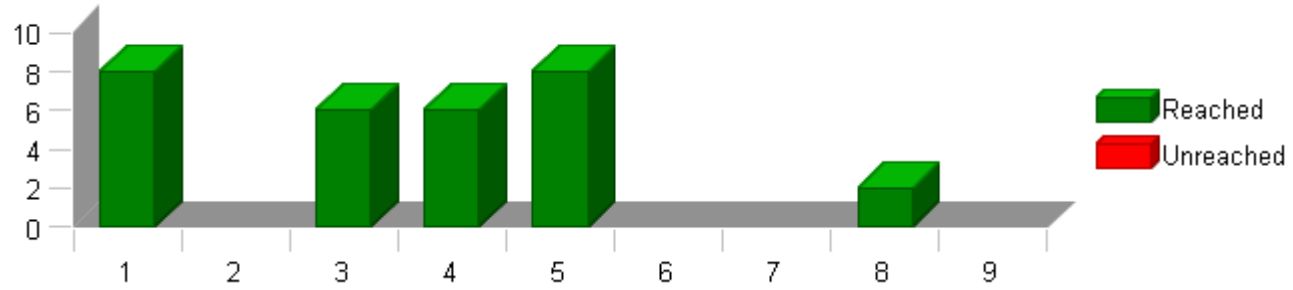
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

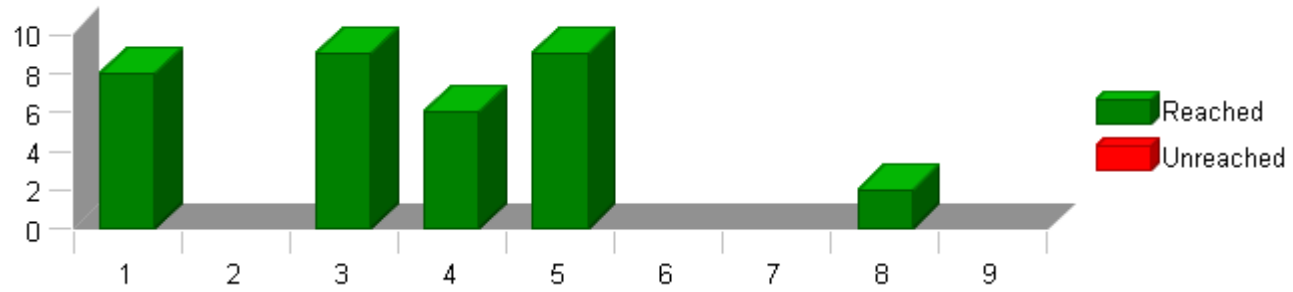
Decision Coverage: Total Decision Outcomes for Each Test Object



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.

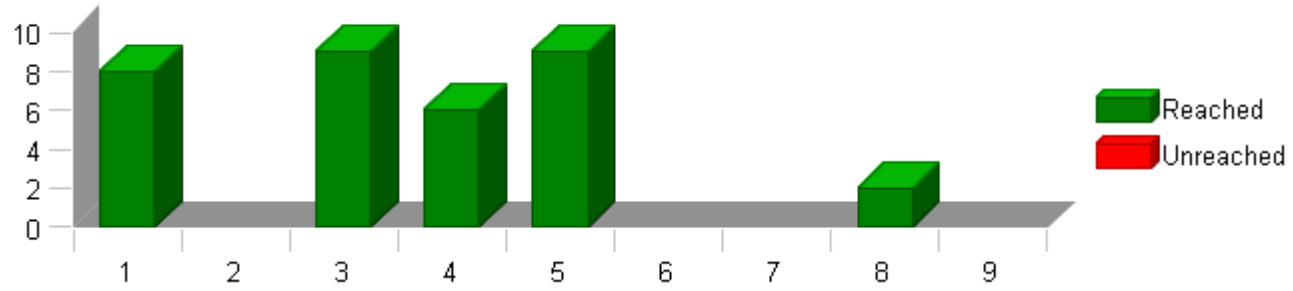
MC/DC Coverage: Total Condition Combinations for Each Test Object



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 Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	HwTqArbn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
	HwTqArbn	100 %	100 %	100 %	100 %	100 %	14 of 14 passed	✔
1	ArbnSigAvlChk	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
2	HwTqArbn_Init1	100 %	100 %	-	-	-	1 of 1 passed	✔
3	HwTqArbn_Per1	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
4	HwTqArbn_Per2	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
5	HwTqArbn_Per3	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
6	HwTrqArbn_SCom_ClrHwTrqArbOffsetTrim	100 %	100 %	-	-	-	1 of 1 passed	✔
7	HwTrqArbn_SCom_ReadHwTrqArbOffsetTrim	100 %	100 %	-	-	-	1 of 1 passed	✔
8	HwTrqArbn_SCom_SetHwTrqArbOffsetTrim	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✔
9	HwTrqArbn_SCom_WriteHwTrqArbOffsetTrim	100 %	100 %	-	-	-	1 of 1 passed	✔

TEST DETAILS REPORT

HwTqArbn_Per3

2016-10-26, 20:12:31+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTqArbn_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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes

Name	Value
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

1.1 524.00 Cycles
1.2 580.00 Cycles
```

Description

Vector Description:

TS1.1"Shortest Path:
if(SVC_ClearCodes_Cnt_T_lgc == TRUE)==true
if(NtcActive_Cnt_T_lgc == TRUE)==false"

TS1.2"Longest Path:
if(SVC_ClearCodes_Cnt_T_lgc == TRUE)==false
if((MECCounter_Cnt_T_u08 == 0U) || (MECCounter_Cnt_T_u08 == D_MECCNTRMAX_CNT_U08))==true
if(EOLChOffsetTrimPerf_Cnt_T_lgc == FALSE)==true
if(NtcActive_Cnt_T_lgc == TRUE)==true"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	255
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	1
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	0
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Case 2: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS2.1 554.00 Cycles
TS2.2 565.00 Cycles
TS2.3 558.00 Cycles
TS2.4 524.00 Cycles
TS2.5 524.00 Cycles
TS2.6 577.00 Cycles
TS2.7 558.00 Cycles
TS2.8 524.00 Cycles
TS2.9 542.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3SVC_ClearCodes_Cnt_lgc==>Min
TS2.4SVC_ClearCodes_Cnt_lgc==>Max
TS2.5MEC_Counter_Cnt_u08==>Min
TS2.6MEC_Counter_Cnt_u08==>Max
TS2.7MEC_Counter_Cnt_u08==>Pos
TS2.8Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cnt_lgc==>Min
TS2.9Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cnt_lgc==>Max

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	0
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	255
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	1
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	124
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.4 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	42
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	1
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	0
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	1
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	255
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	120
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.8 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	64
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	1
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per3_MEC_Counter_Cnt_u08.value	186
target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_MEC_Counter_Cnt_u08	target_HwTqArbn_Per3_MEC_Counter_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc	target_HwTqArbn_Per3_SVC_ClearCodes_Cnt_lgc
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	508	508	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_HwTqArbn_NxtrDiagMgr_SetNTCStatus	1	✔

TEST DETAILS REPORT

HwTrqArbn_SCom_ReadHwTrqArbOffsetTrim

2016-10-26, 20:14:02+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTrqArbn_SCom_ReadHwTrqArbOffsetTrim

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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 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\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 23.00 Cycles
TS1.2 23.00 Cycles
TS1.3 23.00 Cycles
TS1.4 23.00 Cycles
TS1.5 23.00 Cycles
TS1.6 23.00 Cycles
TS1.7 23.00 Cycles
TS1.8 23.00 Cycles
TS1.9 23.00 Cycles
```

Description

Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cnt_lgc==>Min
TS1.4Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cnt_lgc==>Max
TS1.5Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Min
TS1.6Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Max
TS1.7Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Pos
TS1.8Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Zero
TS1.9Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	0	0	✔
target_EOLChOffsetTrim_HwNm_f32	-10	-10	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	1	1	✔
target_EOLChOffsetTrim_HwNm_f32	10	10	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-4.1225
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	0	0	✔
target_EOLChOffsetTrim_HwNm_f32	-4.12249994	-4.1225	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	2.145
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	1	1	✔
target_EOLChOffsetTrim_HwNm_f32	2.14499998	2.145	✔

Test Step Call Trace

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

Test Step 1.5 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	0	0	✔
target_EOLChOffsetTrim_HwNm_f32	-10	-10	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	1	1	✔
target_EOLChOffsetTrim_HwNm_f32	10	10	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	5.756
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0

Name	Input Value
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	0	0	✔
target_EOLChOffsetTrim_HwNm_f32	5.75600004	5.756	✔

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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	0	0	✔
target_EOLChOffsetTrim_HwNm_f32	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
EOLChOffsetTrimPerf_Cnt_lgc	target_EOLChOffsetTrimPerf_Cnt_lgc
EOLChOffsetTrim_HwNm_f32	target_EOLChOffsetTrim_HwNm_f32
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-4.879
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_EOLChOffsetTrimPerf_Cnt_lgc	1	1	✔
target_EOLChOffsetTrim_HwNm_f32	-4.87900019	-4.879	✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

ArbnSigAvlChk

2016-10-26, 20:09:05+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	ArbnSigAvlChk

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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes

Name	Value
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 85.00 Cycles
TS1.2 117.00 Cycles
```

Description

Vector Description:

TS1.1"Shortest Path:
if (SigRollg_Cnt_T_u08 == LstRollg_Cnt_T_u08)==False
if (*StallCntOutp_Cnt_T_u08 >= MaxStall_Cnt_T_u08)==True"

TS1.2"Longest Path:
if (SigRollg_Cnt_T_u08 == LstRollg_Cnt_T_u08)==True
if(LstStall_Cnt_T_u08 == D_HWTQNSTALLCNTRMAX_CNT_U08)==False
if (*StallCntOutp_Cnt_T_u08 >= MaxStall_Cnt_T_u08)==Flase
if(SigQlfr_Cnt_T_enum < SIGQLFR_FAIL)==True"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	89
LstStall_Cnt_T_u08	21
MaxStall_Cnt_T_u08	0
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	11
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	89

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 1.2 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	142
LstStall_Cnt_T_u08	46
MaxStall_Cnt_T_u08	210
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	142
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	130

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	1	1	✔
target_StallCntOutp_Cnt_T_u08	47	47	✔

Test Step Call Trace

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

Test Case 2: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS2.1 126.00 Cycles
TS2.2 85.00 Cycles
TS2.3 100.00 Cycles
TS2.4 100.00 Cycles
TS2.5 100.00 Cycles
TS2.6 100.00 Cycles
TS2.7 100.00 Cycles
TS2.8 109.00 Cycles
TS2.9 100.00 Cycles
TS2.10 100.00 Cycles
TS2.11 100.00 Cycles
TS2.12 100.00 Cycles
TS2.13 100.00 Cycles
TS2.14 100.00 Cycles
TS2.15 117.00 Cycles
TS2.16 100.00 Cycles
TS2.17 100.00 Cycles
TS2.18 100.00 Cycles
TS2.19 100.00 Cycles
TS2.20 100.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3SigRollg_Cnt_T_u08==>Min
TS2.4SigRollg_Cnt_T_u08==>Max
TS2.5SigRollg_Cnt_T_u08==>Pos
TS2.6SigQlfr_Cnt_T_enum= SIGQLFR_NORES
TS2.7 SigQlfr_Cnt_T_enum=SIGQLFR_PASS
TS2.8 SigQlfr_Cnt_T_enum=SIGQLFR_FAIL
TS2.9LstRollg_Cnt_T_u08==>Min
TS2.10LstRollg_Cnt_T_u08==>Max
TS2.11LstRollg_Cnt_T_u08==>Pos
TS2.12LstStall_Cnt_T_u08==>Min
TS2.13LstStall_Cnt_T_u08==>Max
TS2.14LstStall_Cnt_T_u08==>Pos
TS2.15MaxStall_Cnt_T_u08==>Min
TS2.16MaxStall_Cnt_T_u08==>Max
TS2.17MaxStall_Cnt_T_u08==>Pos
TS2.18StallCntOutp_Cnt_T_u08==>Min
TS2.19StallCntOutp_Cnt_T_u08==>Max
TS2.20StallCntOutp_Cnt_T_u08==>Pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	0
LstStall_Cnt_T_u08	0
MaxStall_Cnt_T_u08	0
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	0
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	0

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.2 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	255
LstStall_Cnt_T_u08	255
MaxStall_Cnt_T_u08	255
SigQlfr_Cnt_T_enum	2
SigRollg_Cnt_T_u08	255
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	255

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.3 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	123
LstStall_Cnt_T_u08	11
MaxStall_Cnt_T_u08	42
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	0
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	23

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.4 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	21
LstStall_Cnt_T_u08	175
MaxStall_Cnt_T_u08	142
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	255
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	42

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.5 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	130
LstStall_Cnt_T_u08	186
MaxStall_Cnt_T_u08	123
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	125
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	142

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.6 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	210
LstStall_Cnt_T_u08	89
MaxStall_Cnt_T_u08	21

Name	Input Value
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	23
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	123

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.7 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	10
LstStall_Cnt_T_u08	127
MaxStall_Cnt_T_u08	130
SigQlfr_Cnt_T_enum	2
SigRollg_Cnt_T_u08	42
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	21

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.8 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	142
LstStall_Cnt_T_u08	46
MaxStall_Cnt_T_u08	210
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	142
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	130

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	1	1	✔
target_StallCntOutp_Cnt_T_u08	47	47	✔

Test Step Call Trace ✔

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

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	0
LstStall_Cnt_T_u08	78
MaxStall_Cnt_T_u08	10
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	123
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	210

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.10 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	255
LstStall_Cnt_T_u08	125
MaxStall_Cnt_T_u08	3
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	21
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	10

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.11 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	125
LstStall_Cnt_T_u08	197
MaxStall_Cnt_T_u08	130
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	130
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	3

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.12 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	11
LstStall_Cnt_T_u08	0
MaxStall_Cnt_T_u08	210
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	210
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	11

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.13 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	175
LstStall_Cnt_T_u08	255
MaxStall_Cnt_T_u08	10
SigQlfr_Cnt_T_enum	2
SigRollg_Cnt_T_u08	10
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	175

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.14 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	186
LstStall_Cnt_T_u08	125
MaxStall_Cnt_T_u08	23
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	3
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	186

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.15 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	89
LstStall_Cnt_T_u08	21
MaxStall_Cnt_T_u08	0
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	11
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	89

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.16 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	127
LstStall_Cnt_T_u08	130
MaxStall_Cnt_T_u08	255
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	175
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	127

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	1	1	✔

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 2.17 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	46
LstStall_Cnt_T_u08	210
MaxStall_Cnt_T_u08	125
SigQlfr_Cnt_T_enum	2
SigRollg_Cnt_T_u08	186
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	96

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.18 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	78
LstStall_Cnt_T_u08	10
MaxStall_Cnt_T_u08	14
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	89
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	0

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.19 (Repeat Count = 1) ✔

Name	Input Value
LstRollg_Cnt_T_u08	125
LstStall_Cnt_T_u08	23
MaxStall_Cnt_T_u08	78
SigQlfr_Cnt_T_enum	0
SigRollg_Cnt_T_u08	127
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	255

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	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 2.20 (Repeat Count = 1)

Name	Input Value
LstRollg_Cnt_T_u08	197
LstStall_Cnt_T_u08	105
MaxStall_Cnt_T_u08	155
SigQlfr_Cnt_T_enum	1
SigRollg_Cnt_T_u08	96
StallCntOutp_Cnt_T_u08	target_StallCntOutp_Cnt_T_u08
target_StallCntOutp_Cnt_T_u08	125

Name	Actual Value	Expected Value	Result
ArbnSigAvlChk()	1	1	✔
target_StallCntOutp_Cnt_T_u08	0	0	✔

Test Step Call Trace

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

TEST DETAILS REPORT

HwTqArbn_Per1

2016-10-26, 20:10:56+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTqArbn_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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes

Name	Value
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

1.1 1088.00 Cycles
1.2 1176.00 Cycles
```

Description

Vector Description:

TS1.1"Shortest Path:
CorrInStsSig0_Cnt_T_lgc = (((HwTqCorrInSts_Cnt_T_u16 & 0x01u) !=0x00u) ? TRUE : FALSE);==false
CorrInStsSig1_Cnt_T_lgc = (((HwTqCorrInSts_Cnt_T_u16 & 0x02u) !=0x00u) ? TRUE : FALSE); ==false
if((CorrInStsSig0_Cnt_T_lgc == TRUE) &&
(CorrInStsSig1_Cnt_T_lgc == TRUE) &&
(Sig0Avl_Cnt_T_lgc == TRUE) &&
(Sig1Avl_Cnt_T_lgc == TRUE))==false"

TS1.2"Longest Path:
CorrInStsSig0_Cnt_T_lgc = (((HwTqCorrInSts_Cnt_T_u16 & 0x01u) !=0x00u) ? TRUE : FALSE);==true
CorrInStsSig1_Cnt_T_lgc = (((HwTqCorrInSts_Cnt_T_u16 & 0x02u) !=0x00u) ? TRUE : FALSE); ==true
if((CorrInStsSig0_Cnt_T_lgc == TRUE) &&
(CorrInStsSig1_Cnt_T_lgc == TRUE) &&
(Sig0Avl_Cnt_T_lgc == TRUE) &&
(Sig1Avl_Cnt_T_lgc == TRUE))==true"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	1	1	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	1	1	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	129
HwTqArb_HwTq1StallCnt_Cnt_M_u08	167
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	110
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	243
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	52
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	243	243	✔

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	52	52	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Case 2: Range Test ✔

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS2.1 1176.00 Cycles
TS2.2 1156.00 Cycles
TS2.3 1133.00 Cycles
TS2.4 1088.00 Cycles
TS2.5 1137.00 Cycles
TS2.6 1088.00 Cycles
TS2.7 1112.00 Cycles
TS2.8 1088.00 Cycles
TS2.9 1112.00 Cycles
TS2.10 1088.00 Cycles
TS2.11 1088.00 Cycles
TS2.12 1088.00 Cycles
TS2.13 1088.00 Cycles
TS2.14 1088.00 Cycles
TS2.15 1088.00 Cycles
TS2.16 1133.00 Cycles
TS2.17 1112.00 Cycles
TS2.18 1112.00 Cycles
TS2.19 1088.00 Cycles
TS2.20 1112.00 Cycles
TS2.21 1141.00 Cycles
TS2.22 1127.00 Cycles
TS2.23 1112.00 Cycles
TS2.24 1112.00 Cycles
TS2.25 1088.00 Cycles
TS2.26 1088.00 Cycles
TS2.27 1088.00 Cycles
TS2.28 1088.00 Cycles
TS2.29 1137.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3HwTq1RollgCntr_Cnt_u08==>Min
TS2.4HwTq1RollgCntr_Cnt_u08==>Max
TS2.5HwTq1RollgCntr_Cnt_u08==>Pos
TS2.6HwTq2RollgCntr_Cnt_u08==>Min
TS2.7HwTq2RollgCntr_Cnt_u08==>Max
TS2.8HwTq2RollgCntr_Cnt_u08==>Pos
TS2.9HwTq1Qlfr_State_enum=SIGQLFR_NORES
TS2.10 HwTq1Qlfr_State_enum=SIGQLFR_PASS
TS2.11 HwTq1Qlfr_State_enum=SIGQLFR_FAIL
TS2.12 HwTq2Qlfr_State_enum=SIGQLFR_NORES
TS2.13 HwTq2Qlfr_State_enum=SIGQLFR_PASS
TS2.14 HwTq2Qlfr_State_enum=SIGQLFR_FAIL
TS2.15HwTqCorrInSts_Cnt_u16==>Min
TS2.16HwTqCorrInSts_Cnt_u16==>Max
TS2.17HwTqCorrInSts_Cnt_u16==>Pos
TS2.18HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08==>Min
TS2.19HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08==>Max
TS2.20HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08==>Pos
TS2.21HwTqArb_HwTq2StallCnt_Cnt_M_u08==>Min
TS2.22HwTqArb_HwTq2StallCnt_Cnt_M_u08==>Max
TS2.23HwTqArb_HwTq2StallCnt_Cnt_M_u08==>Pos
TS2.24HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08==>Min
TS2.25HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08==>Max
TS2.26HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08==>Pos
TS2.27HwTqArb_HwTq1StallCnt_Cnt_M_u08==>Min
TS2.28HwTqArb_HwTq1StallCnt_Cnt_M_u08==>Max
TS2.29HwTqArb_HwTq1StallCnt_Cnt_M_u08==>Pos

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0

Name	Input Value
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	1	1	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	1	1	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	255
HwTqArb_HwTq1StallCnt_Cnt_M_u08	255
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	255
HwTqArb_HwTq2StallCnt_Cnt_M_u08	255
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	255
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	255
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	15
HwTqArb_HwTq1StallCnt_Cnt_M_u08	210
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	165
HwTqArb_HwTq2StallCnt_Cnt_M_u08	83
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	113
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	113	113	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	38
HwTqArb_HwTq1StallCnt_Cnt_M_u08	39
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	251
HwTqArb_HwTq2StallCnt_Cnt_M_u08	250
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	255
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	69
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	69	69	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	80
HwTqArb_HwTq1StallCnt_Cnt_M_u08	203
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	79
HwTqArb_HwTq2StallCnt_Cnt_M_u08	148
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	69
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	223
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	69	69	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	223	223	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	111
HwTqArb_HwTq1StallCnt_Cnt_M_u08	109
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	61
HwTqArb_HwTq2StallCnt_Cnt_M_u08	134
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	74
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	0
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	74	74	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	108
HwTqArb_HwTq1StallCnt_Cnt_M_u08	139
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	224
HwTqArb_HwTq2StallCnt_Cnt_M_u08	34
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	77
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	255
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	77	77	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	255	255	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.8 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	219
HwTqArb_HwTq1StallCnt_Cnt_M_u08	18
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	33
HwTqArb_HwTq2StallCnt_Cnt_M_u08	230
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	198
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2

Name	Input Value
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	172
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	198	198	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	172	172	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	14
HwTqArb_HwTq1StallCnt_Cnt_M_u08	14
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	145
HwTqArb_HwTq2StallCnt_Cnt_M_u08	7
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	3
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	65
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	3	3	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	65	65	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	229
HwTqArb_HwTq1StallCnt_Cnt_M_u08	213
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	155
HwTqArb_HwTq2StallCnt_Cnt_M_u08	202
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	194
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	23
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	194	194	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	23	23	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	61
HwTqArb_HwTq1StallCnt_Cnt_M_u08	251
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	156
HwTqArb_HwTq2StallCnt_Cnt_M_u08	184
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	208
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	7
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	208	208	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	7	7	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	13
HwTqArb_HwTq1StallCnt_Cnt_M_u08	4
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	177
HwTqArb_HwTq2StallCnt_Cnt_M_u08	62
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	181
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	82
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	181	181	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	82	82	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.13 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	199
HwTqArb_HwTq1StallCnt_Cnt_M_u08	168
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	217
HwTqArb_HwTq2StallCnt_Cnt_M_u08	241
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	11
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	202
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	11	11	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	202	202	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.14 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	9
HwTqArb_HwTq1StallCnt_Cnt_M_u08	244
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	24
HwTqArb_HwTq2StallCnt_Cnt_M_u08	119
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	105
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	76
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	105	105	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	76	76	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.15 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	34
HwTqArb_HwTq1StallCnt_Cnt_M_u08	30
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	100
HwTqArb_HwTq2StallCnt_Cnt_M_u08	185
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	220
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2

Name	Input Value
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	60
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	220	220	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	60	60	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	171
HwTqArb_HwTq1StallCnt_Cnt_M_u08	98
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	210
HwTqArb_HwTq2StallCnt_Cnt_M_u08	101
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	202
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	123
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	202	202	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	123	123	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	67
HwTqArb_HwTq1StallCnt_Cnt_M_u08	126
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	68
HwTqArb_HwTq2StallCnt_Cnt_M_u08	59
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	95
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	65
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	95	95	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	65	65	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	215
HwTqArb_HwTq1StallCnt_Cnt_M_u08	230
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq2StallCnt_Cnt_M_u08	154
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	246
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	87
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	246	246	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	87	87	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	53
HwTqArb_HwTq1StallCnt_Cnt_M_u08	43
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	255
HwTqArb_HwTq2StallCnt_Cnt_M_u08	141
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	223
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	11
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	223	223	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	11	11	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.20 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	57
HwTqArb_HwTq1StallCnt_Cnt_M_u08	211
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	117
HwTqArb_HwTq2StallCnt_Cnt_M_u08	118
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	14
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	123
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	14	14	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	123	123	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.21 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	129
HwTqArb_HwTq1StallCnt_Cnt_M_u08	167
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	110
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	243
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	52
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	243	243	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	52	52	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.22 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	158
HwTqArb_HwTq1StallCnt_Cnt_M_u08	56
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	214
HwTqArb_HwTq2StallCnt_Cnt_M_u08	255
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	93
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0

Name	Input Value
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	221
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	93	93	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	221	221	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.23 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	155
HwTqArb_HwTq1StallCnt_Cnt_M_u08	11
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	56
HwTqArb_HwTq2StallCnt_Cnt_M_u08	184
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	134
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	150
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	134	134	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	150	150	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.24 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	0
HwTqArb_HwTq1StallCnt_Cnt_M_u08	233
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	187
HwTqArb_HwTq2StallCnt_Cnt_M_u08	40
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	196
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	193
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	1
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	196	196	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	193	193	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.25 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	255
HwTqArb_HwTq1StallCnt_Cnt_M_u08	125
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	230
HwTqArb_HwTq2StallCnt_Cnt_M_u08	25
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	13
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	237
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	13	13	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	237	237	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.26 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	65
HwTqArb_HwTq1StallCnt_Cnt_M_u08	171
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	55
HwTqArb_HwTq2StallCnt_Cnt_M_u08	13
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	0
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	151
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	84
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	151	151	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	84	84	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.27 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	88
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	251
HwTqArb_HwTq2StallCnt_Cnt_M_u08	139
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	119
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	138
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	119	119	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	138	138	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.28 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	10
HwTqArb_HwTq1StallCnt_Cnt_M_u08	255
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	247
HwTqArb_HwTq2StallCnt_Cnt_M_u08	245
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	2
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	76
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	20
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	2
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	76	76	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	20	20	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

Test Step 2.29 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	227
HwTqArb_HwTq1StallCnt_Cnt_M_u08	223
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	223
HwTqArb_HwTq2StallCnt_Cnt_M_u08	57
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per1_HwTq1Qlfr_State_enum.value	1
target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08.value	159
target_HwTqArbn_Per1_HwTq2Qlfr_State_enum.value	2

TEST DETAILS REPORT

HwTqArbn_Per1

2016-10-26, 20:10:56+0530

Name	Input Value
target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08.value	162
target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16.value	3
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1Qlfr_State_enum	target_HwTqArbn_Per1_HwTq1Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq1RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2Qlfr_State_enum	target_HwTqArbn_Per1_HwTq2Qlfr_State_enum
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08	target_HwTqArbn_Per1_HwTq2RollgCntr_Cnt_u08
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16	target_HwTqArbn_Per1_HwTqCorrInSts_Cnt_u16

Name	Actual Value	Expected Value	Result
HwTqArb_HwTq1LstRollgCnt_Cnt_M_u08	159	159	✔
HwTqArb_HwTq1StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTq2LstRollgCnt_Cnt_M_u08	162	162	✔
HwTqArb_HwTq2StallCnt_Cnt_M_u08	0	0	✔
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
ArbnSigAvlChk	2	ArbnSigAvlChk	2	✔

TEST DETAILS REPORT

HwTqArbn_Init1

2016-10-26, 20:09:55+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTqArbn_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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 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\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 7.00 Cycles
```

Description Vector Description:

TS1.1No functionality in source code

Test Step 1.1 (Repeat Count = 1) ✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

HwTqArbn_Per2

2016-10-26, 20:11:52+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTqArbn_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	2
Successful	2
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes

Name	Value
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 70.00 Cycles
TS1.2 116.00 Cycles
```

Description

Vector Description:

TS1.1"Shortest Path:
if(HwTqArb_HwTqCh1Avl_Cnt_M_Igc == TRUE)==true
HwTqVal_HwNm_T_f32 = Limit_m(HwTqVal_HwNm_T_f32, D_HWTRQMINLMT_HWNM_F32, D_HWTRQMAXLMT_HWNM_F32);==true"

TS1.2"Longest Path:
if(HwTqArb_HwTqCh1Avl_Cnt_M_Igc == TRUE)==false
HwTqVal_HwNm_T_f32 = Limit_m(HwTqVal_HwNm_T_f32, D_HWTRQMINLMT_HWNM_F32, D_HWTRQMAXLMT_HWNM_F32);==false
HwTqVal_HwNm_T_f32 = Limit_m(HwTqVal_HwNm_T_f32, D_HWTRQMINLMT_HWNM_F32, D_HWTRQMAXLMT_HWNM_F32);==true"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_Igc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10	10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

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
HwTqArb_HwTqCh1Avl_Cnt_M_Igc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10	-10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

Test Step Call Trace

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

Test Case 2: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS2.1 95.00 Cycles
TS2.2 70.00 Cycles
TS2.3 98.00 Cycles
TS2.4 107.00 Cycles
TS2.5 88.00 Cycles
TS2.6 98.00 Cycles
TS2.7 76.00 Cycles
TS2.8 107.00 Cycles
TS2.9 76.00 Cycles
TS2.10 88.00 Cycles
TS2.11 70.00 Cycles
TS2.12 98.00 Cycles
TS2.13 116.00 Cycles
TS2.14 76.00 Cycles
TS2.15 76.00 Cycles
TS2.16 76.00 Cycles
TS2.17 88.00 Cycles
TS2.18 116.00 Cycles
TS2.19 107.00 Cycles
TS2.20 95.00 Cycles
TS2.21 95.00 Cycles
TS2.22 98.00 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
TS2.9HwTq2Val_HwNm_f32==>Max
TS2.10HwTq2Val_HwNm_f32==>Pos
TS2.11HwTq2Val_HwNm_f32==>Zero
TS2.12HwTq2Val_HwNm_f32==>Neg
TS2.13HwTqArb_HwTqCh1Avl_Cnt_M_lgc==>Min
TS2.14HwTqArb_HwTqCh1Avl_Cnt_M_lgc==>Max
TS2.15HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Min
TS2.16HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Max
TS2.17HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Pos
TS2.18Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Min
TS2.19Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Max
TS2.20Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Pos
TS2.21Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Zero
TS2.22Rte_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm_f32==>Neg

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10	-10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

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
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32

Name	Input Value
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10	10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.97520018
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-0.678900003
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	5.97520018
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-5.33944988	-5.33944988 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-10	-10 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.10430002
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	10
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-4.26809978
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	7.10430002
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.10430002	7.10430002 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	4.88980007
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	3.45000005
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	8.32349968
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	4.88980007
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.88674974	5.88675022 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0.996949673	0.99695 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.04759979
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	0
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	5.76440001
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-9.04759979
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	2.8822	2.8822 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	10	10 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-4.55999994
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-5.75600004
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-4.26819992
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-4.55999994
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-5.01210022	-5.01210022 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-0.452100277	-0.4521 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.8 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	6.26949978
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	6.26949978
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	6.26949978
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	6.26949978	6.26949978 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.70559978
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-9.70559978
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-9.70559978
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	0.147200108	0.147200003 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	9.85280037	9.8528 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.97520018
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	5.97520018
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	4.78000021
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	5.97520018
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.37760019	5.37760019 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-0.597599983	-0.5976 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.10430002
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	7.10430002

Name	Input Value
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	7.10430002
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	3.55215001	3.55215001 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-3.55215001	-3.55215 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	4.88980007
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	4.88980007
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-5.86600018
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	4.88980007
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-0.488100052	-0.488099992 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-5.37790012	-5.3779 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.04759979
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-9.04759979
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	6.5927
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-9.04759979
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.04759979	-9.04759979 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	0	0 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-1.3053
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-1.3053
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-3.75760007
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-1.3053
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32

Name	Input Value
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-2.53145003	-2.53145003 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-1.22615004	-1.22615 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	6.60010004
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	0.0900000036
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	6.60010004
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10	-10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-10	-10 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-2.15569997
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-4.65339994
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-2.15569997
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10	10 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	10	10 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.17 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.45200014
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	9.44999981
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-2.84730005
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.45200014	5.45200014 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-4.54799986	-4.548 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.18 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.10430002
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	8.30039978
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-9.0564003
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.10430002	7.10430002 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	10	10 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.19 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	4.88980007
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-8.81900024
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	0.130999997
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	4.88980007	4.88980007 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-5.11019993	-5.1102 ± 0.005	✔

Test Step Call Trace

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

Test Step 2.20 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.04759979
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	9.94069958
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-5.6736002
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	3.78900003
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-9.04759979	-9.04759979 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-10	-10 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.21 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	0
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-1.3053
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	6.60010004
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	-3.75760007
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	0
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-1.3053	-1.3053 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	-1.3053	-1.3053 ± 0.005	✔

Test Step Call Trace ✔

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

Test Step 2.22 (Repeat Count = 1) ✔

Name	Input Value
HwTqArb_HwTqCh1Avl_Cnt_M_lgc	1
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	6.60010004
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_HwTqArbn_Per2_HwTq1Val_HwNm_f32.value	-2.15569997
target_HwTqArbn_Per2_HwTq2Val_HwNm_f32.value	0.0900000036
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-4.8920002
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq1Val_HwNm_f32	target_HwTqArbn_Per2_HwTq1Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTq2Val_HwNm_f32	target_HwTqArbn_Per2_HwTq2Val_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.HwTqArbn_Per2_HwTqVal_HwNm_f32	target_HwTqArbn_Per2_HwTqVal_HwNm_f32
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-1.03285003	-1.03285003 ± 0.005	✔
target_HwTqArbn_Per2_HwTqVal_HwNm_f32.value	3.85915017	3.85915 ± 0.005	✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

HwTrqArbn_SCom_WriteHwTrqArbOffsetTrim

2016-10-26, 20:15:08+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTrqArbn_SCom_WriteHwTrqArbOffsetTrim

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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 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\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 529.00 Cycles
TS1.2 499.00 Cycles
TS1.3 499.00 Cycles
TS1.4 499.00 Cycles
TS1.5 499.00 Cycles
```

Description

Vector Description:

TS1.1HwTqCh1OfstTrmWr_HwNm_f32==>Min
TS1.2HwTqCh1OfstTrmWr_HwNm_f32==>Max
TS1.3HwTqCh1OfstTrmWr_HwNm_f32==>Pos
TS1.4HwTqCh1OfstTrmWr_HwNm_f32==>Zero
TS1.5HwTqCh1OfstTrmWr_HwNm_f32==>Neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrim_HwNm_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10	-10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrim_HwNm_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10	10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 1.3 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrim_HwNm_f32	6.7658
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	6.7658	6.7658	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 1.4 (Repeat Count = 1)

Name	Input Value
EOLChOffsetTrim_HwNm_f32	0
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	0	0	✔

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
EOLChOffsetTrim_HwNm_f32	-4.751
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-4.75099993	-4.75099993	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

TEST DETAILS REPORT

HwTrqArbn_SCom_SetHwTrqArbOffsetTrim

2016-10-26, 20:14:42+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTrqArbn_SCom_SetHwTrqArbOffsetTrim

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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes

Name	Value
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 34.00 Cycles
TS1.2 592.00 Cycles
```

Description

Vector Description:

TS1.1"Shortest Path:
if(Abs_f32_m(HwTqArb_HwTqCh1PrevVal_HwNm_M_f32) <= k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32)==true"

TS1.2"Longest Path:
if(Abs_f32_m(HwTqArb_HwTqCh1PrevVal_HwNm_M_f32) <= k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32)==false"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10	-10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0	0	✔

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
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	13.114
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10	10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Case 2: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS2.1 34.00 Cycles
TS2.2 525.00 Cycles
TS2.3 34.00 Cycles
TS2.4 508.00 Cycles
TS2.5 508.00 Cycles
TS2.6 34.00 Cycles
TS2.7 508.00 Cycles
TS2.8 34.00 Cycles
```

Description

Vector Description:

TS2.1All Min
TS2.2All Max
TS2.3HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Min
TS2.4HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Max
TS2.5HwTqArb_HwTqCh1PrevVal_HwNm_M_f32==>Pos
TS2.6k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32==>Min
TS2.7k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32==>Max
TS2.8k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32==>Pos/Default

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10	-10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	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
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	20
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10	10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	-10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	4.786
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	-10	-10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0	0	✔

Test Step Call Trace

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

Test Step 2.4 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	10
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	13.114
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	10	10	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	5.124
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	19.21
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	5.124
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	5.12400007	5.124	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	1.452
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	0
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	1.452
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	1.45200002	1.452	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0	0	✔

Test Step Call Trace

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

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	4.568
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	20
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	4.568
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0

Name	Input Value		
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	4.56799984	4.568	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value		
HwTqArb_HwTqCh1PrevVal_HwNm_M_f32	7.104		
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn		
k_HwTqArb_HwTqCh1MaxOfstTrm_HwNm_f32	0.54348		
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	7.104		
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0		
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData		
Name	**Actual Value**	**Expected Value**	**Result**
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	7.10400009	7.104	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0	0	✔

Test Step Call Trace ✔

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

TEST DETAILS REPORT

HwTrqArbn_SCom_ClrHwTrqArbOffsetTrim

2016-10-26, 20:13:25+0530

Project	HwTqArbn
Module	HwTqArbn
Test Object	HwTrqArbn_SCom_ClrHwTrqArbOffsetTrim

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\HwTqArbn_2TqADAS_
Configuration File	D:\Synergy_Work_Area\HwTqArbn_2TqADAS_\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	$(SOURCEROOT)\Sa_HwTqArbn.c
Compiler Options	-D_DATA_ACCESS= -D_STATIC= -D_inline= -Dconst= -I$(PROJECTROOT)\Inputs\utp\contract\Sa_HwTqArbn -I$(PROJECTROOT)\Inputs\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'HwTqArbn'	**********Unit Test Information********** Name of Tester:Ghazala Parvin Ansari Code File(s) Under Test:Sa_HwTqArbn.c Code File(s) Version:3 Module Design Document:HwTqArbn_MDD.doc Module Design Document Version:2 Data Dictionary Version:1 Unit Test Plan Version: 3 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): 604 Total RAM Used (Bytes): 12 Total CALS Used (Bytes): 4 Special Test Requirements:NA Test Date:10/26/2016 Comments: "NOTE1: Inline functions defined in GlobalMacro.h are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map""map file is embedded for reference." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 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\HwTqArbn_2TqADAS_\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test

Specification

```
Performance Metrics
(With None Instrumentation and WithPS Environment

CPU Cycles:

TS1.1 539.00 Cycles
```

Description

Vector Description:

TS1.1Check for output

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_HwTqArbn	target_Rte_Inst_Sa_HwTqArbn
target_Rte_Inst_Sa_HwTqArbn.Pim_HwTqArbnEOLCh1OffsetTrimData	target_Pim_HwTqArbnEOLCh1OffsetTrimData

Name	Actual Value	Expected Value	Result
HwTrqArbn_SCom_ClrHwTrqArbOffsetTrim()	0	0	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrim_HwNm	0	0	✔
target_Pim_HwTqArbnEOLCh1OffsetTrimData.HwTqArb_EOLChOffsetTrimPerf_Cn	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	Rte_Call_Sa_HwTqArbn_HwTqArbnEOLCh1OffsetTrim_WriteBlock	1	✔