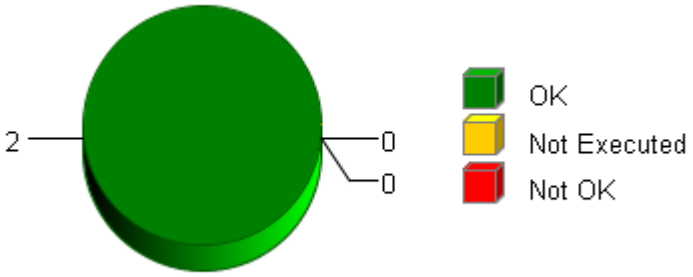
Summary

Total Test Objects:	2
Successful:	2
Failed:	0
Not Executed:	0
Date:	2016-01-10
Time:	13:35:42+0530

Overall Test Object Results (including Coverage)



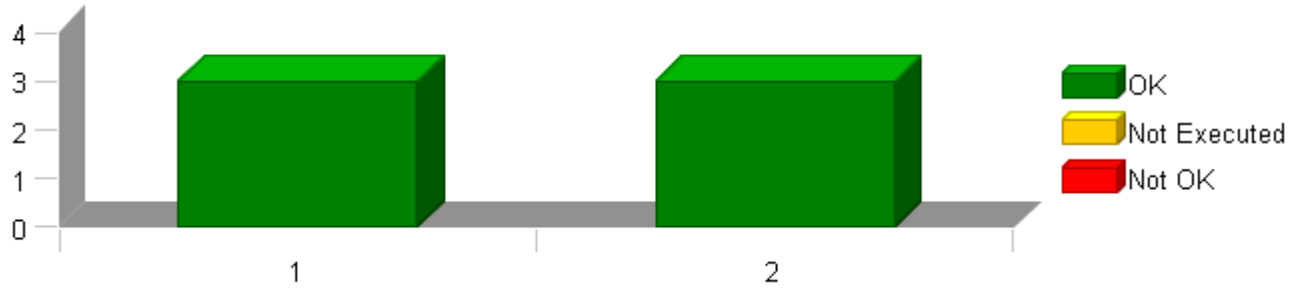
Selected Project Items

Test Object "CBD_UnitTest/PeakCurrEst/PeakCurrEst_Per1"
Test Object "CBD_UnitTest/PeakCurrEst/PeakCurrEst_Per2"

Used Test Environments

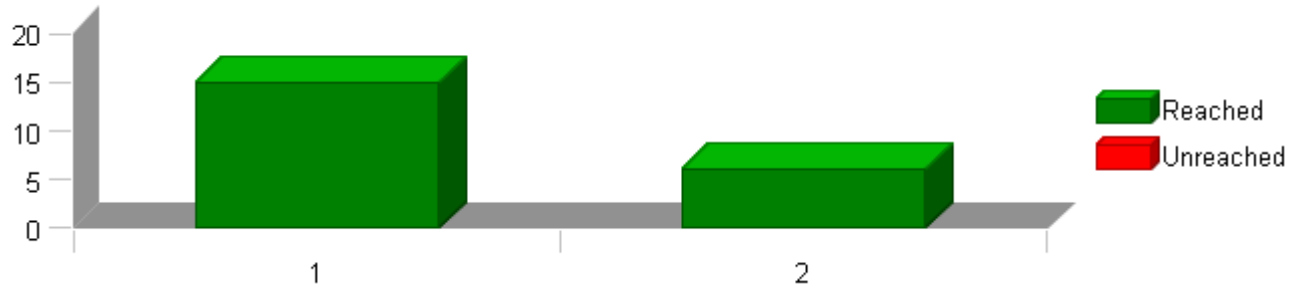
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



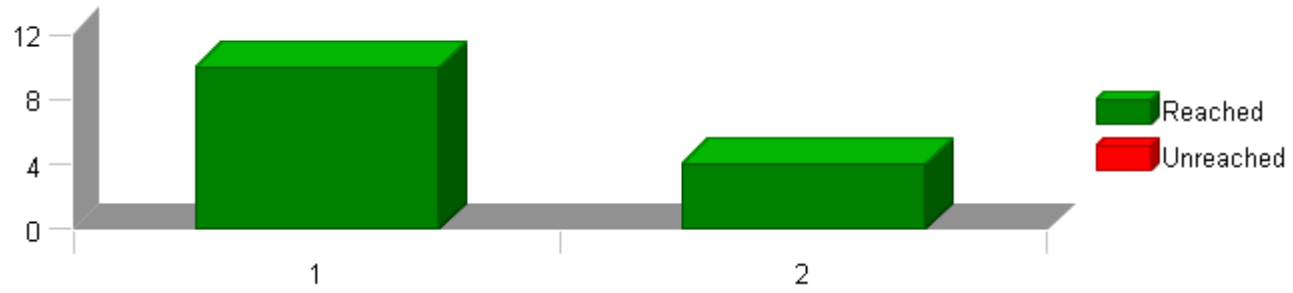
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



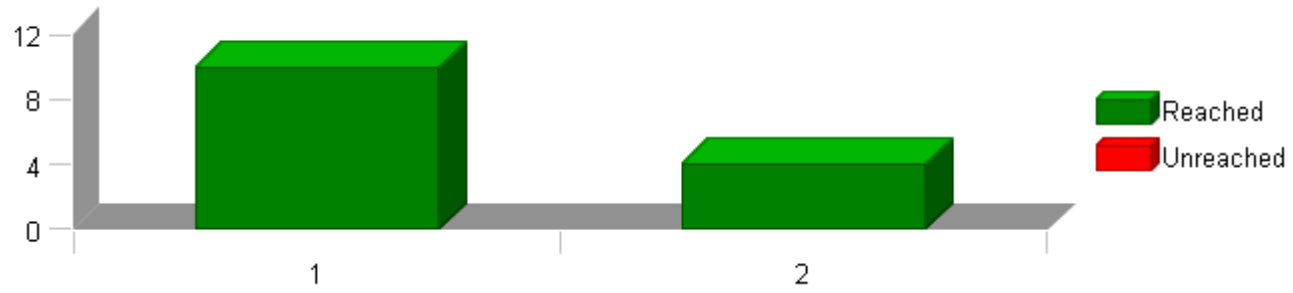
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

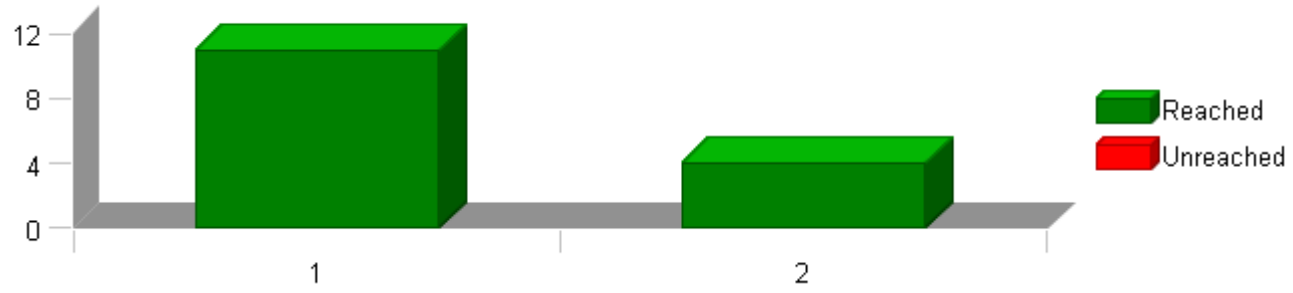
Decision Coverage: Total Decision Outcomes for Each Test Object



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.

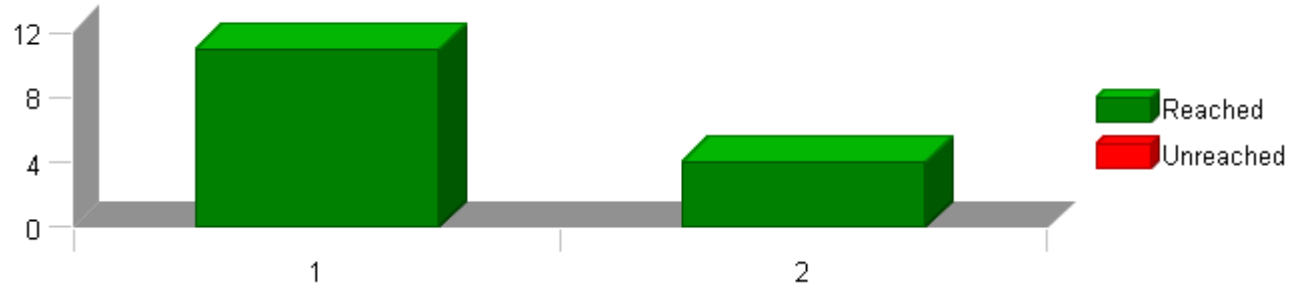
MC/DC Coverage: Total Condition Combinations for Each Test Object



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
	MtrCtrl	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
	PeakCurrEst	100 %	100 %	100 %	100 %	100 %	6 of 6 passed	✔
1	PeakCurrEst_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
2	PeakCurrEst_Per2	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔

TEST DETAILS REPORT

PeakCurrEst_Per2

2016-01-10, 13:35:15+0530

Project	MtrCtrl
Module	PeakCurrEst
Test Object	PeakCurrEst_Per2

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3 ✔
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\MtrCtrl_CM
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\MtrCtrl_CM\src\Ap_PeakCurrEst.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I$(PROJECTROOT)\MtrCtrl_CM\utp\contract \Ap_PeakCurrEst -I$(PROJECTROOT)\MtrCtrl_CM\include -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$ (Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'PeakCurrEst'	**********Unit Test Information********** Name of Tester:Ankita Bhardwaj Code File(s) Under Test:Ap_PeakCurrEst.c Code File(s) Version:5 Module Design Document:PeakCurrEst_MDD.docx Module Design Document Version:4 Data Dictionary Version:13 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):552 Total RAM Used (Bytes):32 Total CALS Used (Bytes):1874 Special Test Requirements: Test Date:01/10/2016 Comments: Note 1: "CBD_Sandbox_dbg.map"map file is embedded for reference. Note 2: Inline functions defined in GlobalMacro.h are not Unit Tested." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2

Attributes

Name	Value
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS 1.1 535 cycles
TS 1.2 526 cycles
```

Description

Vector Description:

TS 1.1-Longest Execution Path=>FiltEstPkCurr_AmpSq_T_f32 = Limit_m(FiltEstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)
TS 1.2-Shortest Execution Path=>FiltEstPkCurr_AmpSq_T_f32 = Limit_m(FiltEstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	0
EstPkCurr_AmpSq_M_f32	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	500
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	0	0	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400
EstPkCurr_AmpSq_M_f32	48400
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4836
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400	3171942400	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Case 2: Boundary Test

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS  2.1 535 cycles
TS  2.2 526 cycles
TS  2.3 535 cycles
TS  2.4 535 cycles
TS  2.5 535 cycles
TS  2.6 535 cycles
TS  2.7 535 cycles
TS  2.8 535 cycles
TS  2.9535 cycles
TS  2.10 535 cycles
TS  2.11 535 cycles
```

Description

Vector Description:

TS 2.1-All min
TS 2.2-All max
TS 2.3-EstPkCurr_AmpSq_M_f32==>Min
TS 2.4-EstPkCurr_AmpSq_M_f32==>Max
TS 2.5-EstPkCurr_AmpSq_M_f32==>Pos
TS 2.6-EstPkCurrFiltSV_AmpSq_M_u16p16==>Min
TS 2.7-EstPkCurrFiltSV_AmpSq_M_u16p16==>Max
TS 2.8-EstPkCurrFiltSV_AmpSq_M_u16p16==>Pos
TS 2.9-k_EstPkCurrSlowLoopLPFKn_Uls_u16==>Min
TS 2.10-k_EstPkCurrSlowLoopLPFKn_Uls_u16==>Max
TS 2.11-k_EstPkCurrSlowLoopLPFKn_Uls_u16==>Pos/Default

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	0
EstPkCurr_AmpSq_M_f32	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	500
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	0	0	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400
EstPkCurr_AmpSq_M_f32	48400
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4836
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400	3171942400	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	2898264064
EstPkCurr_AmpSq_M_f32	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	1604
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	2827328768	2827328768	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	43141	43141	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	2647982080
EstPkCurr_AmpSq_M_f32	48400
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	1977
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	2663788195	2663788195	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	40646	40646	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	71761920
EstPkCurr_AmpSq_M_f32	10490
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	694
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	78282050	78282050	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	1194	1194	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	0
EstPkCurr_AmpSq_M_f32	14015.1133
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	2592
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	36326880	36326880	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	554	554	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.7 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400
EstPkCurr_AmpSq_M_f32	14614.5859
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	1393

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	3124878502	3124878502	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	47681	47681	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	1517223936
EstPkCurr_AmpSq_M_f32	37498.1953
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4249
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	1578184339	1578184339	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	24081	24081	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	2150432768
EstPkCurr_AmpSq_M_f32	678.467896
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	500
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	2134365268	2134365268	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	32567	32567	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	1593769984
EstPkCurr_AmpSq_M_f32	36819.7813
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4836
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	1654219984	1654219984	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	25241	25241	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 2.11 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	1629552640
EstPkCurr_AmpSq_M_f32	39422.1328
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	1224
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	1647370408	1647370408	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	25136	25136	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Case 3: Path Test

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS 3.1 535 cycles
TS 3.2 526 cycles
TS 3.3 535 cycles
```

Description

Vetor Description:

TS 3.1-FiltEstPkCurr_AmpSq_T_f32 = Limit_m(FiltEstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>D_ESTPKCURRHILMT_AMPSQ_F32
TS 3.2-FiltEstPkCurr_AmpSq_T_f32 = Limit_m(FiltEstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>D_ESTPKCURRLOLMT_AMPSQ_F32
TS 3.3-FiltEstPkCurr_AmpSq_T_f32 = Limit_m(FiltEstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>FiltEstPkCurr_AmpSq_T_f32

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	0
EstPkCurr_AmpSq_M_f32	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	500
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	0	0	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 3.2 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400
EstPkCurr_AmpSq_M_f32	48400
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4836
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400	3171942400	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1)

Name	Input Value
EstPkCurrFiltSV_AmpSq_M_u16p16	2898264064
EstPkCurr_AmpSq_M_f32	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurrSlowLoopLPFKn_Uls_u16	1604
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32

Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	2827328768	2827328768	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	43141	43141	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per2_CP1_CheckpointReached	1	✔

TEST DETAILS REPORT

PeakCurrEst_Per1

2016-01-10, 13:33:56+0530

Project	MtrCtrl
Module	PeakCurrEst
Test Object	PeakCurrEst_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	3
Successful	3
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\MtrCtrl_CM
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	$(PROJECTROOT)\MtrCtrl_CM\src\Ap_PeakCurrEst.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I$(PROJECTROOT)\MtrCtrl_CM\utp\contract \Ap_PeakCurrEst -I$(PROJECTROOT)\MtrCtrl_CM\include -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$ (Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'PeakCurrEst'	**********Unit Test Information********** Name of Tester:Ankita Bhardwaj Code File(s) Under Test:Ap_PeakCurrEst.c Code File(s) Version:5 Module Design Document:PeakCurrEst_MDD.docx Module Design Document Version:4 Data Dictionary Version:13 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):552 Total RAM Used (Bytes):32 Total CALS Used (Bytes):1874 Special Test Requirements: Test Date:01/10/2016 Comments: Note 1: "CBD_Sandbox_dbg.map"map file is embedded for reference. Note 2: Inline functions defined in GlobalMacro.h are not Unit Tested." **********

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2

Attributes

Name	Value
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

PeakCurrEst_Per1

2016-01-10, 13:33:56+0530

Test Case 1: Metrics Test

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS 1.1 645 cycles
TS 1.2 628 cycles
```

Description

Vector Description

TS 1.1-Longest Execution Path=>QaxCurrFiltSV_Amp_M_s11p20 = LPF_SvUpdate_s16InFixKTrunc_m(EstMtrCurrQax_Amp_T_s11p4, QaxCurrFiltSV_Amp_M_s11p20, k_EstPkCurr2msLPFKn_Uls_u16)
TS 1.2-Shortest Execution Path=>QaxCurrFiltSV_Amp_M_s11p20 = LPF_SvUpdate_s16InFixKTrunc_m(EstMtrCurrQax_Amp_T_s11p4, QaxCurrFiltSV_Amp_M_s11p20, k_EstPkCurr2msLPFKn_Uls_u16)

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	183500800
QaxCurrFiltSV_Amp_M_s11p20	-113246208
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	1741
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	150.1241
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	182.949448
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	203.837219
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	183721907	183721907	✔
EstPkCurr_AmpSq_M_f32	43011.6602	43011.6602	✔
QaxCurrFiltSV_Amp_M_s11p20	-116366080	-116366080	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	43011.6602	43011.6602	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Case 2: Boundary Test

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS  2.1 638 cycles
TS  2.2 629 cycles
TS  2.3 641 cycles
TS  2.4 645 cycles
TS  2.5 645 cycles
TS  2.6 641 cycles
TS  2.7 645 cycles
TS  2.8 642 cycles
TS  2.9 642 cycles
TS  2.10 635 cycles
TS  2.11 635 cycles
TS  2.12 645 cycles
TS  2.13 638 cycles
TS  2.14 629 cycles
TS  2.15 635 cycles
TS  2.16 635 cycles
TS  2.17 642 cycles
TS  2.18 644 cycles
TS  2.19 635 cycles
TS  2.20 641 cycles
TS  2.21638 cycles
TS  2.22 635 cycles
TS  2.23 641 cycles
TS  2.24 641 cycles
TS  2.25 635 cycles
TS  2.26 642 cycles
TS  2.27 641 cycles
TS  2.28 629 cycles
TS  2.29 628 cycles
TS  2.30 635 cycles
TS  2.31 641 cycles
TS  2.32 641 cycles
TS  2.33 641 cycles
TS  2.34 641 cycles
TS  2.35 641 cycles
TS  2.36 635 cycles
TS  2.37 628 cycles
TS  2.38 635 cycles
TS  2.39 628 cycles
```

Description

Vector Description

TS 2.1-All min
TS 2.2-All max
TS 2.3-MtrCurrQax_Amp_f32==>Min
TS 2.4-MtrCurrQax_Amp_f32==>Max
TS 2.5-MtrCurrQax_Amp_f32==>Pos
TS 2.6-MtrCurrQax_Amp_f32==>Zero
TS 2.7-MtrCurrQax_Amp_f32==>Neg
TS 2.8-MtrCurrDax_Amp_f32==>Min
TS 2.9-MtrCurrDax_Amp_f32==>Max
TS 2.10-MtrCurrDax_Amp_f32==>Pos
TS 2.11-MtrCurrDax_Amp_f32==>Zero
TS 2.12-MtrCurrDax_Amp_f32==>Neg
TS 2.13-QaxCurrFiltSV_Amp_M_s11p20==>Min
TS 2.14-QaxCurrFiltSV_Amp_M_s11p20==>Max
TS 2.15-QaxCurrFiltSV_Amp_M_s11p20==>Pos
TS 2.16-QaxCurrFiltSV_Amp_M_s11p20==>Zero
TS 2.17-QaxCurrFiltSV_Amp_M_s11p20==>Neg
TS 2.18-k_EstPkCurr2msLPFKn_Uls_u16==>Min
TS 2.19-k_EstPkCurr2msLPFKn_Uls_u16==>Max
TS 2.20-k_EstPkCurr2msLPFKn_Uls_u16==>Pos/Default
TS 2.21-DaxCurrFiltSV_Amp_M_s11p20==>Min
TS 2.22-DaxCurrFiltSV_Amp_M_s11p20==>Max
TS 2.23-DaxCurrFiltSV_Amp_M_s11p20==>Pos
TS 2.24-DaxCurrFiltSV_Amp_M_s11p20==>Zero
TS 2.25-DaxCurrFiltSV_Amp_M_s11p20==>Neg
TS 2.26-IvtrLoaMtgtnEn_Cnt_lgc==>Min
TS 2.27-IvtrLoaMtgtnEn_Cnt_lgc==>Max
TS 2.28-MotCurrLoaMtgtnEn_Cnt_lgc==>Min
TS 2.29-MotCurrLoaMtgtnEn_Cnt_lgc==>Max
TS 2.30-MtrCurrQaxRef_Amp_f32==>Min
TS 2.31-MtrCurrQaxRef_Amp_f32==>Max
TS 2.32-MtrCurrQaxRef_Amp_f32==>Pos
TS 2.33-MtrCurrQaxRef_Amp_f32==>Zero
TS 2.34-MtrCurrQaxRef_Amp_f32==>Neg
TS 2.35-MtrCurrDaxRef_Amp_f32==>Min
TS 2.36-MtrCurrDaxRef_Amp_f32==>Max
TS 2.37-MtrCurrDaxRef_Amp_f32==>Pos
TS 2.38-MtrCurrDaxRef_Amp_f32==>Zero
TS 2.39-MtrCurrDaxRef_Amp_f32==>Neg

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220

Name	Input Value
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	230686720
QaxCurrFiltSV_Amp_M_s11p20	230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	7739
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	230686720	230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	230686720	230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	183500800
QaxCurrFiltSV_Amp_M_s11p20	-113246208
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	1741
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	150.1241
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	182.949448
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	203.837219
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	183721907	183721907	✔
EstPkCurr_AmpSq_M_f32	43011.6602	43011.6602	✔
QaxCurrFiltSV_Amp_M_s11p20	-116366080	-116366080	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	43011.6602	43011.6602	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-58720256
QaxCurrFiltSV_Amp_M_s11p20	-73400320
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	3665
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	187.832199
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	148.154373
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	36.5431442
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-46750366	-46750366	✔
EstPkCurr_AmpSq_M_f32	4887.17578	4887.17578	✔
QaxCurrFiltSV_Amp_M_s11p20	-56394720	-56394720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	4887.17578	4887.17578	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-81788928
QaxCurrFiltSV_Amp_M_s11p20	-210763776
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	5797
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-59.6330109
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-210.020523
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	119.198967
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	217.660385
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-94032192	-94032192	✔
EstPkCurr_AmpSq_M_f32	34939.8477	34939.8477	✔

Name	Actual Value	Expected Value	Result
QaxCurrFiltSV_Amp_M_s11p20	-171935470	-171935470	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	34939.8477	34939.8477	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	124780544
QaxCurrFiltSV_Amp_M_s11p20	-8388608
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	5843
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	23.1299915
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	19.6220207
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	129.471649
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	0
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	115484331	115484331	✔
EstPkCurr_AmpSq_M_f32	12180.9883	12180.9883	✔
QaxCurrFiltSV_Amp_M_s11p20	-7640704	-7640704	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	12180.9883	12180.9883	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.7 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-130023424
QaxCurrFiltSV_Amp_M_s11p20	-136314880
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	3137
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	26.0433083
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	184.02832
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-91.3772888
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-13.8182201
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-114564288	-114564288	✔
EstPkCurr_AmpSq_M_f32	27449.4727	27449.4727	✔
QaxCurrFiltSV_Amp_M_s11p20	-130483197	-130483197	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	27449.4727	27449.4727	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-24117248
QaxCurrFiltSV_Amp_M_s11p20	168820736
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	6997
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-218.446381
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	209.359451
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	121.660385
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-46171792	-46171792	✔
EstPkCurr_AmpSq_M_f32	26512.0664	26512.0664	✔
QaxCurrFiltSV_Amp_M_s11p20	164412626	164412626	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	26512.0664	26512.0664	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-121634816
QaxCurrFiltSV_Amp_M_s11p20	40894464
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	5794
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	189.764236
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-176.482986
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-213.818222
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-90486272	-90486272	✔
EstPkCurr_AmpSq_M_f32	7726.23828	7726.23828	✔
QaxCurrFiltSV_Amp_M_s11p20	17457734	17457734	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	7726.23828	7726.23828	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	175112192
QaxCurrFiltSV_Amp_M_s11p20	117440512
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	760
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-184.074997
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	219.46814
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-29.5714188
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	115.479103
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	175749832	175749832	✔
EstPkCurr_AmpSq_M_f32	40621.1914	40621.1914	✔
QaxCurrFiltSV_Amp_M_s11p20	117482312	117482312	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	40621.1914	40621.1914	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.11 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	0
QaxCurrFiltSV_Amp_M_s11p20	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	4941
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-45.2082787
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	0
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-115.022705
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	0
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	0	0	✔
EstPkCurr_AmpSq_M_f32	0	0	✔
QaxCurrFiltSV_Amp_M_s11p20	0	0	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.12 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-57671680
QaxCurrFiltSV_Amp_M_s11p20	-78643200
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst

Name	Input Value
k_EstPkCurr2msLPFKn_Uls_u16	5542
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	77.4639969
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-33.1185608
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	45.9216461
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	92.6857147
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-55726438	-55726438	✔
EstPkCurr_AmpSq_M_f32	6534.67578	6534.67578	✔
QaxCurrFiltSV_Amp_M_s11p20	-63779556	-63779556	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	6534.67578	6534.67578	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-51380224
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	202
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-0.688096464
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-64.1185608
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-11.5062799
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-199.999435
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-51224078	-51224078	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230012848	-230012848	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	166723584
QaxCurrFiltSV_Amp_M_s11p20	230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	3383
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-42.6428223
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-41.4681396
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-54.0216293

Name	Input Value
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-37.4115791
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	155874303	155874303	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	216755526	216755526	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	39845888
QaxCurrFiltSV_Amp_M_s11p20	97517568
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	3160
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	44.1864243
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-101.04837
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	119.626305
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	160.415131
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	40155568	40155568	✔
EstPkCurr_AmpSq_M_f32	10346.125	10346.125	✔
QaxCurrFiltSV_Amp_M_s11p20	98863728	98863728	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	10346.125	10346.125	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	199229440
QaxCurrFiltSV_Amp_M_s11p20	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	2190
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-4.72881603
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-195.483276
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	28.293932
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	128.601685
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	185723710	185723710	✔
EstPkCurr_AmpSq_M_f32	31369.1914	31369.1914	✔
QaxCurrFiltSV_Amp_M_s11p20	4504830	4504830	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	31369.1914	31369.1914	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	8388608
QaxCurrFiltSV_Amp_M_s11p20	-116391936
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	7627
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-35.2825279
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-112.464279
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-1.88926077
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-55.2705498
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	3110724	3110724	✔
EstPkCurr_AmpSq_M_f32	9673.97656	9673.97656	✔
QaxCurrFiltSV_Amp_M_s11p20	-103075194	-103075194	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	9673.97656	9673.97656	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-78643200
QaxCurrFiltSV_Amp_M_s11p20	-178257920
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-114.943176
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	211.773376
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	21.0295467
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	204.221344
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-78695598	-78695598	✔
EstPkCurr_AmpSq_M_f32	34470.6641	34470.6641	✔
QaxCurrFiltSV_Amp_M_s11p20	-178007328	-178007328	✔

Name	Actual Value	Expected Value	Result
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	34470.6641	34470.6641	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	169869312
QaxCurrFiltSV_Amp_M_s11p20	196083712
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	7739
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	17.2852917
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-193.135941
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-28.695034
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	164.307617
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	151945788	151945788	✔
EstPkCurr_AmpSq_M_f32	47071.0156	47071.0156	✔
QaxCurrFiltSV_Amp_M_s11p20	169376423	169376423	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	47071.0156	47071.0156	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-111149056
QaxCurrFiltSV_Amp_M_s11p20	55574528
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	6268
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	134.128922
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-47.8814697
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	48.7161179
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-195.199539
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-105319816	-105319816	✔
EstPkCurr_AmpSq_M_f32	10955.8125	10955.8125	✔
QaxCurrFiltSV_Amp_M_s11p20	30684300	30684300	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	10955.8125	10955.8125	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-70254592
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	5706
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-156.135101
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-59.0370216
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	55.9775124
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	198.754486
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-224855188	-224855188	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-59030890	-59030890	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.22 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	230686720
QaxCurrFiltSV_Amp_M_s11p20	-162529280
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	2204
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	152.389709
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-3.95641613
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	22.0154324
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-59.467762
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	228301992	228301992	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-156287552	-156287552	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.23 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	148897792
QaxCurrFiltSV_Amp_M_s11p20	-9437184
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	2812
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-131.261093
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-151.352585
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-107.307396
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	11.4669771
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	136603728	136603728	✔
EstPkCurr_AmpSq_M_f32	17140.625	17140.625	✔
QaxCurrFiltSV_Amp_M_s11p20	-13857648	-13857648	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	17140.625	17140.625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.24 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	0
QaxCurrFiltSV_Amp_M_s11p20	-130023424
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	3401
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	148.164474
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-10.7635059
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	83.7825394
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	118.296242
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	8060370	8060370	✔
EstPkCurr_AmpSq_M_f32	12883.7031	12883.7031	✔
QaxCurrFiltSV_Amp_M_s11p20	-118718500	-118718500	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	12883.7031	12883.7031	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.25 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-148897792
QaxCurrFiltSV_Amp_M_s11p20	228589568
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst

Name	Input Value
k_EstPkCurr2msLPFKn_Uls_u16	7318
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-89.8359909
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-106.544968
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	216.72963
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-196.40451
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-142787262	-142787262	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	228435890	228435890	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.26 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-34603008
QaxCurrFiltSV_Amp_M_s11p20	173015040
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	700
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	131.101044
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-39.8164215
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	72.2521286
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-39.8164215
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-32765508	-32765508	✔
EstPkCurr_AmpSq_M_f32	27872.5625	27872.5625	✔
QaxCurrFiltSV_Amp_M_s11p20	171976240	171976240	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	27872.5625	27872.5625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-44040192
QaxCurrFiltSV_Amp_M_s11p20	19922944
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	716
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-6.00454569
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-89.3050079
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-83.6388245

Name	Input Value
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-89.3050079
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-43627776	-43627776	✔
EstPkCurr_AmpSq_M_f32	2052.15625	2052.15625	✔
QaxCurrFiltSV_Amp_M_s11p20	18747272	18747272	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	2052.15625	2052.15625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	110100480
QaxCurrFiltSV_Amp_M_s11p20	225443840
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	256
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	214.044983
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-60.8167992
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-145.805222
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-60.8167992
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	110546944	110546944	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	223966208	223966208	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	159383552
QaxCurrFiltSV_Amp_M_s11p20	189792256
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	604
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-41.6601295
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	12.2689705
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	78.632225
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	12.2689705
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	157512360	157512360	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	188802904	188802904	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.30 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	173015040
QaxCurrFiltSV_Amp_M_s11p20	67108864
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	93
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-106.043587
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-129.355347
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-129.355347
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	172611792	172611792	✔
EstPkCurr_AmpSq_M_f32	31121.0078	31121.0078	✔
QaxCurrFiltSV_Amp_M_s11p20	66686272	66686272	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	31121.0078	31121.0078	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	15728640
QaxCurrFiltSV_Amp_M_s11p20	-128974848
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	261
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	157.773209
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	75.9310226
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	75.9310226
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	16324764	16324764	✔
EstPkCurr_AmpSq_M_f32	15050.0391	15050.0391	✔
QaxCurrFiltSV_Amp_M_s11p20	-127542480	-127542480	✔

Name	Actual Value	Expected Value	Result
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	15050.0391	15050.0391	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.32 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	98566144
QaxCurrFiltSV_Amp_M_s11p20	-25165824
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	370
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	150.762238
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	22.4133034
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	110.75248
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	22.4133034
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	98902104	98902104	✔
EstPkCurr_AmpSq_M_f32	9435.41016	9435.41016	✔
QaxCurrFiltSV_Amp_M_s11p20	-24368104	-24368104	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	9435.41016	9435.41016	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-12582912
QaxCurrFiltSV_Amp_M_s11p20	19922944
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	380
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	29.736702
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	91.060524
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	0
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	91.060524
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-12329452	-12329452	✔
EstPkCurr_AmpSq_M_f32	495.800781	495.800781	✔
QaxCurrFiltSV_Amp_M_s11p20	19807424	19807424	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	495.800781	495.800781	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.34 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-20971520
QaxCurrFiltSV_Amp_M_s11p20	188743680
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	395
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	15.8531418
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	215.702072
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-110.633499
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	215.702072
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-20745185	-20745185	✔
EstPkCurr_AmpSq_M_f32	32143.3203	32143.3203	✔
QaxCurrFiltSV_Amp_M_s11p20	186906930	186906930	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	32143.3203	32143.3203	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-38797312
QaxCurrFiltSV_Amp_M_s11p20	148897792
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	461
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	42.1794548
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-175.752472
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	42.1794548
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-40147120	-40147120	✔
EstPkCurr_AmpSq_M_f32	20997.9102	20997.9102	✔
QaxCurrFiltSV_Amp_M_s11p20	146554068	146554068	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	20997.9102	20997.9102	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.36 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	149946368
QaxCurrFiltSV_Amp_M_s11p20	-205520896
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	577
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-124.274185
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	62.2163048
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-124.274185
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	150657232	150657232	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-203137309	-203137309	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.37 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	89128960
QaxCurrFiltSV_Amp_M_s11p20	227540992
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	101
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	112.853142
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-156.283188
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-123.633499
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-156.283188
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	89173905	89173905	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	226990542	226990542	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.38 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-120586240
QaxCurrFiltSV_Amp_M_s11p20	225443840
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst

Name	Input Value
k_EstPkCurr2msLPFKn_Uls_u16	326
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	0
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-161.18541
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-63.6252861
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-161.18541
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-119986400	-119986400	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	223990532	223990532	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 2.39 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	192937984
QaxCurrFiltSV_Amp_M_s11p20	139460608
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	704
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-23.736702
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	17.1499329
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	165.336502
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	17.1499329
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	190598592	190598592	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	139824576	139824576	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Case 3: Path Test

Specification

```
Performance metrics
(With "None" Instrumentation and "WithPS" environment)

CPU Cycles:
TS  3.1 638 cycles
TS  3.2 638 cycles
TS  3.3 638 cycles
TS  3.4 629 cycles
TS  3.5 637 cycles
TS  3.6 641 cycles
TS  3.7 635 cycles
```

Description

Vector Description

TS 3.1-((IvtrLoaMtgtnEn_Cnt_T_lgc == TRUE) ||(MotCurrLoaMtgtnEn_Cnt_T_lgc ==TRUE))=>True
TS 3.2-((IvtrLoaMtgtnEn_Cnt_T_lgc == TRUE) ||(MotCurrLoaMtgtnEn_Cnt_T_lgc ==TRUE))=>False
TS 3.3-QaxCurrFiltSV_Amp_M_s11p20 = LPF_SvUpdate_s16InFixKTrunc_m(EstMtrCurrQax_Amp_T_s11p4, QaxCurrFiltSV_Amp_M_s11p20, k_EstPkCurr2msLPFKn_Uls_u16)=>QaxCurrFiltSV_Amp_M_s11p20
TS 3.4-QaxCurrFiltSV_Amp_M_s11p20 = LPF_SvUpdate_s16InFixKTrunc_m(EstMtrCurrQax_Amp_T_s11p4, QaxCurrFiltSV_Amp_M_s11p20, k_EstPkCurr2msLPFKn_Uls_u16)=>k_EstPkCurr2msLPFKn_Uls_u16
TS 3.5-EstPkCurr_AmpSq_T_f32 = Limit_m(EstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>D_ESTPKCURRLOLMT_AMPSQ_F32
TS 3.6-EstPkCurr_AmpSq_T_f32 = Limit_m(EstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>D_ESTPKCURRHILMT_AMPSQ_F32
TS 3.7-EstPkCurr_AmpSq_T_f32 = Limit_m(EstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)=>EstPkCurr_AmpSq_T_f32

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.2 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-51380224
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	202
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-0.688096464
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-64.1185608
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-11.5062799
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-199.999435
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-51224078	-51224078	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230012848	-230012848	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.4 (Repeat Count = 1) ✔

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	230686720
QaxCurrFiltSV_Amp_M_s11p20	230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	7739
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	1
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.value	1
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	230686720	230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	230686720	230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.5 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.6 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	183500800
QaxCurrFiltSV_Amp_M_s11p20	-113246208
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	1741
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	150.1241
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	182.949448
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	203.837219
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	183721907	183721907	✔
EstPkCurr_AmpSq_M_f32	43011.6602	43011.6602	✔
QaxCurrFiltSV_Amp_M_s11p20	-116366080	-116366080	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	43011.6602	43011.6602	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔

Test Step 3.7 (Repeat Count = 1)

Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	0
QaxCurrFiltSV_Amp_M_s11p20	0
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	4941
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-45.2082787
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	0
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-115.022705
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	0
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	0	0	✔
EstPkCurr_AmpSq_M_f32	0	0	✔
QaxCurrFiltSV_Amp_M_s11p20	0	0	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	0	0	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✔
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✔