Summary

Total Test Objects:	2
Successful:	2
Failed:	0
Not Executed:	0
Date:	2016-09-14
Time:	10:14:37+0530

Overall Test Object Results (including Coverage)

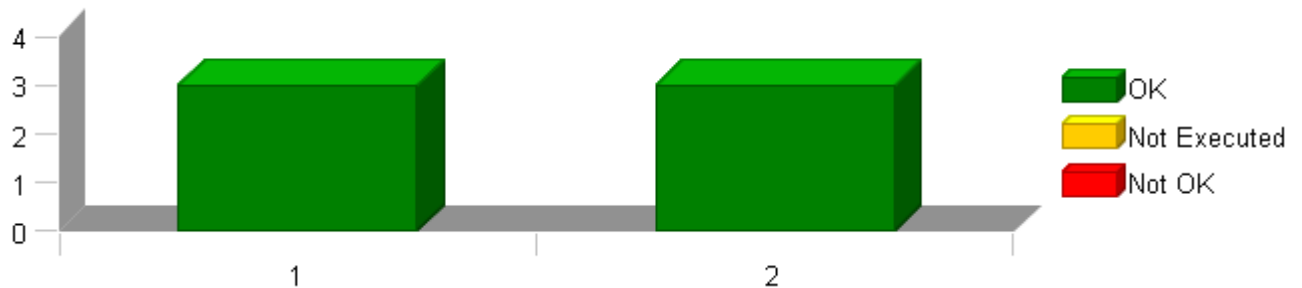

- OK
- Not Executed
- Not OK
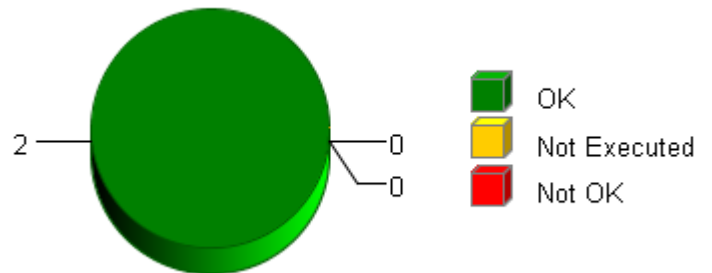
Selected Project Items

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)

- OK
- Not Executed
- Not OK

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
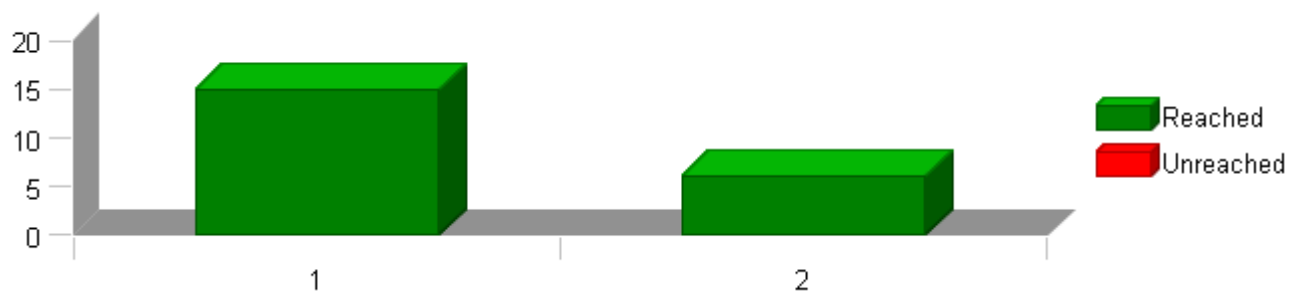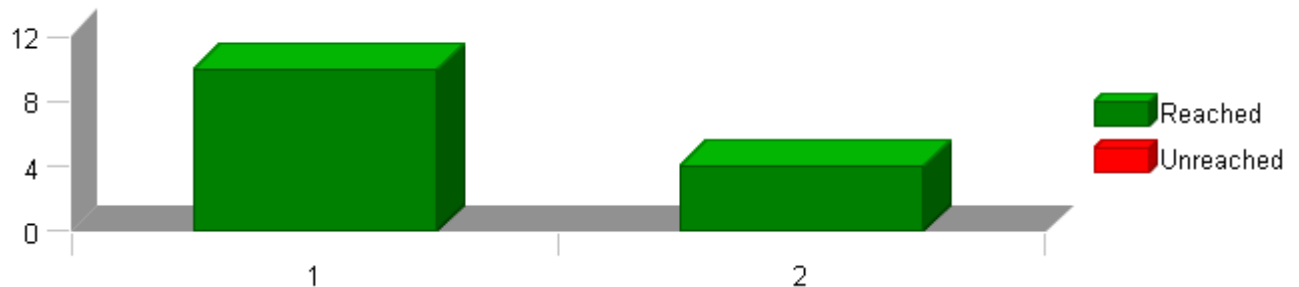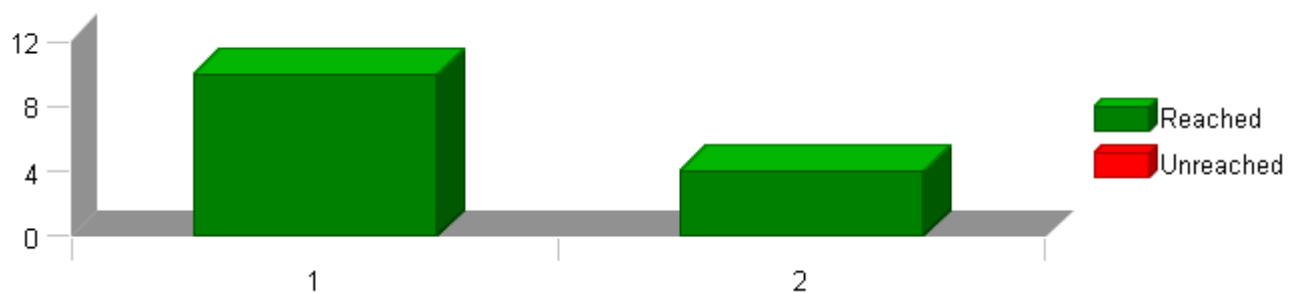

- Reached
- Unreached

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.
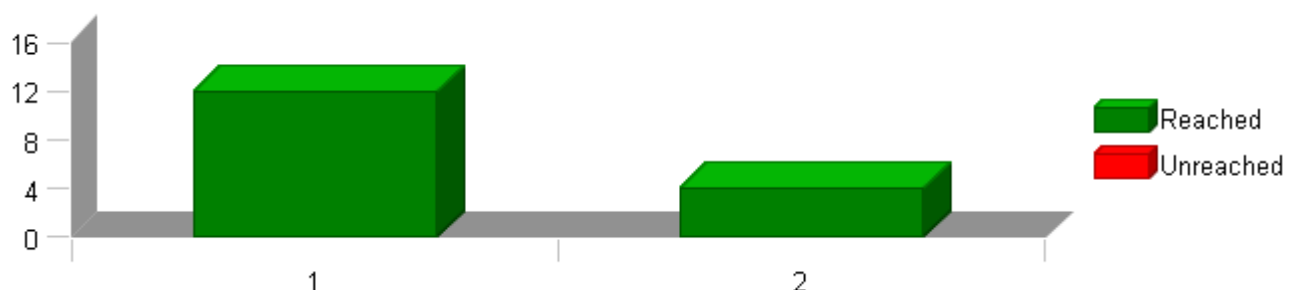
Decision Coverage: Total Decision Outcomes for Each Test Object

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.
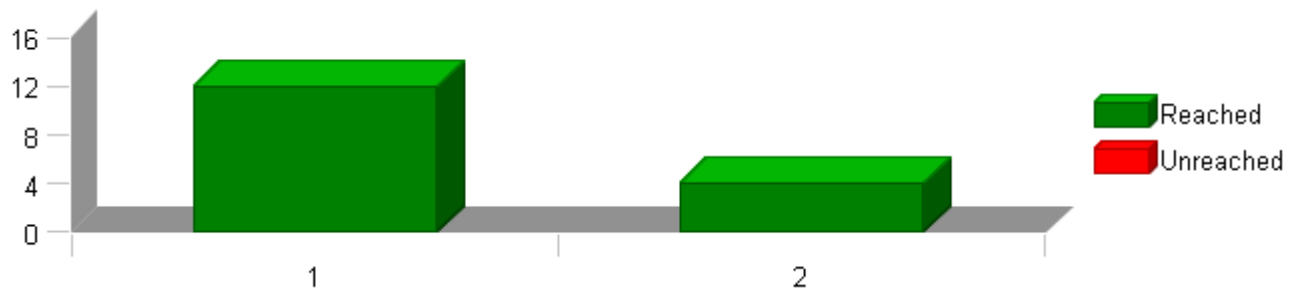
MCC Coverage: Total Condition Combinations for Each Test Object

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_CM_SF99B	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	✔

Project	MtrCtrl_CM_SF99B
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_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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:Komal Sharma
	Code File(s) Under Test:Ap_PeakCurrEst.c
	Code File(s) Version:6
	Module Design Document:PeakCurrEst_MDD.docx
	Module Design Document Version:5
	Data Dictionary Version:15
	Unit Test Plan Version:4
	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):560
	Total RAM Used (Bytes):32
	Total CALS Used (Bytes):2865
	Special Test Requirements:NA
	Test Date:9/14/2015
	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.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false

Attributes	
Name	**Value**
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

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

CPU Cycles:

TS 1.1 646 cycles
TS 1.2 628 cycles
```

Description   Vector Description

TS 1.1-Longest Execution Path=>((IvtrLoaMtgtnEn_Cnt_T_lgc == TRUE) || (MotCurrLoaMtgtnEn_Cnt_T_lgc == TRUE) ||
(DualEcuMotCtrlMtgnEna_Cnt_T_lgc == TRUE))=>False
EstPkCurr_AmpSq_T_f32 = Limit_m(EstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)
==>False
TS 1.2-Shortest Execution Path=>((IvtrLoaMtgtnEn_Cnt_T_lgc == TRUE) || (MotCurrLoaMtgtnEn_Cnt_T_lgc == TRUE) ||
(DualEcuMotCtrlMtgnEna_Cnt_T_lgc == TRUE))=>true
EstPkCurr_AmpSq_T_f32 = Limit_m(EstPkCurr_AmpSq_T_f32, D_ESTPKCURRLOLMT_AMPSQ_F32, D_ESTPKCURRHILMT_AMPSQ_F32)
==>True

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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lg(	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 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
TS  2.40 628 cycles
TS  2.41 635 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
TS 2.40-DualEcuMotCtrlMtgnEna_Cnt_lgc ==>Min
TS 2.41-DualEcuMotCtrlMtgnEna_Cnt_lgc ==>Max

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

Name	Input Value
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_lgc.value	0

Name	Input Value		
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
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 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			
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1			
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc			
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	-44423091	-44423091	✔	
EstPkCurr_AmpSq_M_f32	5899.64453	5899.64453	✔	
QaxCurrFiltSV_Amp_M_s11p20	-67155160	-67155160	✔	
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	5899.64453	5899.64453	✔	

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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0	
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	

Name	Input Value		
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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	✔
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		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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	115817382	115817382	✔
EstPkCurr_AmpSq_M_f32	12214.5039	12214.5039	✔
QaxCurrFiltSV_Amp_M_s11p20	4460149	4460149	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	12214.5039	12214.5039	✔

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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0	
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc.value	0	
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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	

Name	Input Value		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-13.8182201		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
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		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1		
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
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	-45996867	-45996867	✓
EstPkCurr_AmpSq_M_f32	29522.5313	29522.5313	✓
QaxCurrFiltSV_Amp_M_s11p20	174229417	174229417	✓
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	29522.5313	29522.5313	✓

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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1	
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	

Name	Input Value		
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	-93290568	-93290568	✔
EstPkCurr_AmpSq_M_f32	8318.50391	8318.50391	✔
QaxCurrFiltSV_Amp_M_s11p20	20922546	20922546	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	8318.50391	8318.50391	✔

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		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1		
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
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	170843272	170843272	✔
EstPkCurr_AmpSq_M_f32	38697.1133	38697.1133	✔
QaxCurrFiltSV_Amp_M_s11p20	115719112	115719112	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	38697.1133	38697.1133	✔

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		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0		
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
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		

Name	Input Value		
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	
k_EstPkCurr2msLPFKn_Uls_u16	5542	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1	
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	
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	-45928182	-45928182	✓
EstPkCurr_AmpSq_M_f32	6120.19531	6120.19531	✓
QaxCurrFiltSV_Amp_M_s11p20	-67924972	-67924972	✓
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	6120.19531	6120.19531	✓

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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1	
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	
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	-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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1	
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	
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-37.4115791	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	
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	155810026	155810026	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	215855648	215855648	✔
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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0	
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	
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		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		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value		0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_DualEcuMotCtrlMtgnEna_Cnt_lgc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_lgc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_lgc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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		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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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	✔
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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	-87067400	-87067400	✔
EstPkCurr_AmpSq_M_f32	9662.19531	9662.19531	✔
QaxCurrFiltSV_Amp_M_s11p20	55142036	55142036	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	9662.19531	9662.19531	✔

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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
k_EstPkCurr2msLPFKn_Uls_u16	7318
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-89.3050079
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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	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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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	✔
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
k_EstPkCurr2msLPFKn_Uls_u16	326
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 Step 2.40 (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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 2.41 (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
k_EstPkCurr2msLPFKn_Uls_u16	326
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lg(	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 Case 3: Path Test ✔

Specification

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

CPU Cycles:

TS  3.1 641 cycles
TS  3.2 641 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) || (DualEcuMotCtrlMtgnEna_Cnt_T_lgc == TRUE))=>False

TS 3.2-((IvtrLoaMtgtnEn_Cnt_T_lgc == TRUE) || (MotCurrLoaMtgtnEn_Cnt_T_lgc == TRUE) || (DualEcuMotCtrlMtgnEna_Cnt_T_lgc == TRUE))=>True

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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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

Name	Input Value
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32

Name	Input Value
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 3.4 (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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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 3.5 (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
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc
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

Name	Input Value		
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			
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	1			
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc			
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	182806141	182806141		✔
EstPkCurr_AmpSq_M_f32	40334.9102	40334.9102		✔
QaxCurrFiltSV_Amp_M_s11p20	-104560359	-104560359		✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	40334.9102	40334.9102		✔

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 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	
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc.value	0	
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_DualEcuMotCtrlMtgnEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_lgc	
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	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	✔

Project	MtrCtrl_CM_SF99B
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_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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:Komal Sharma
	Code File(s) Under Test:Ap_PeakCurrEst.c
	Code File(s) Version:6
	Module Design Document:PeakCurrEst_MDD.docx
	Module Design Document Version:5
	Data Dictionary Version:15
	Unit Test Plan Version:4
	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):560
	Total RAM Used (Bytes):32
	Total CALS Used (Bytes):2865
	Special Test Requirements:NA
	Test Date:9/14/2015
	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.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false

Attributes	
Name	**Value**
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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_ESTPKCURRLOLMT_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	✔