

## Summary

**Total Test Objects:** 2  
**Successful:** 2  
**Failed:** 0  
**Not Executed:** 0  
**Date:** 2016-09-14  
**Time:** 10:08:39+0530

## Overall Test Object Results (including Coverage)



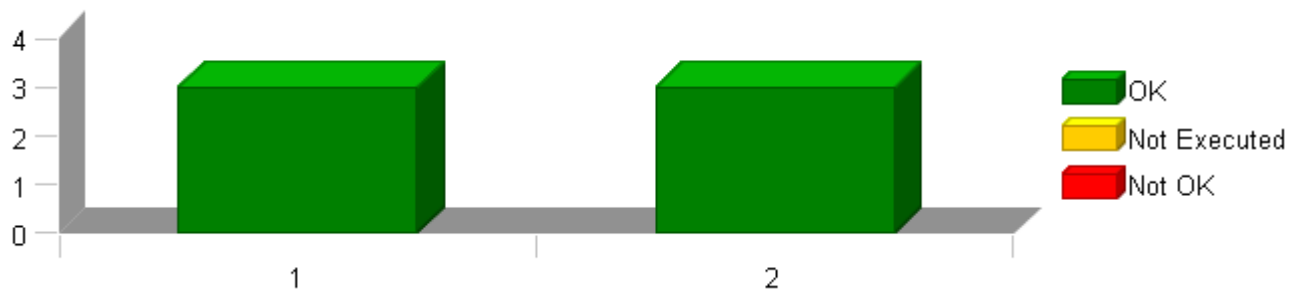
## Selected Project Items

Test Object "CBD\_UnitTest/PeakCurrEst/PeakCurrEst\_Per1"  
 Test Object "CBD\_UnitTest/PeakCurrEst/PeakCurrEst\_Per2"

## Used Test Environments

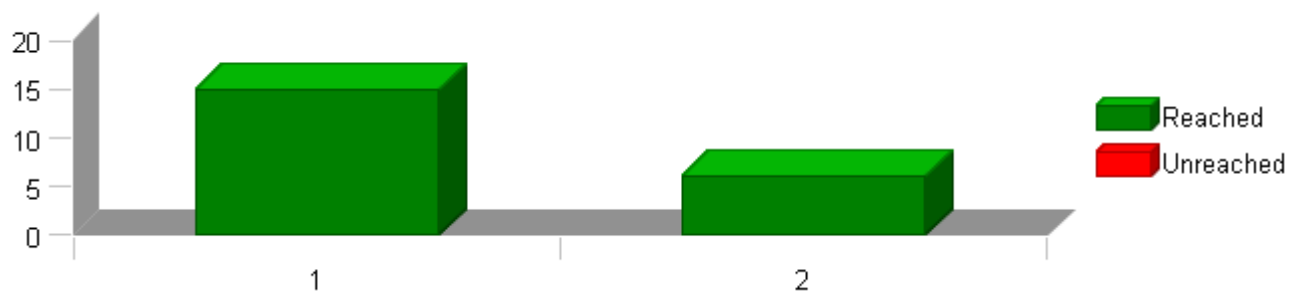
TI TMS 570 PLS UDE (Default)

## Test Case Results for Each Test Object (without Coverage)



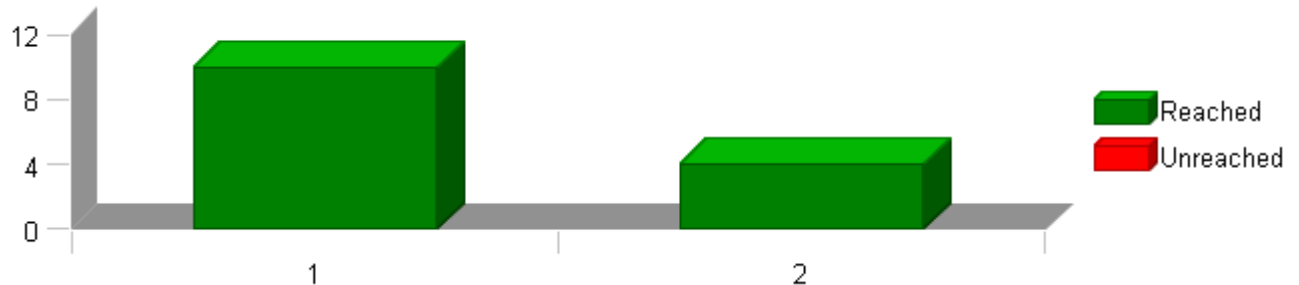
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

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



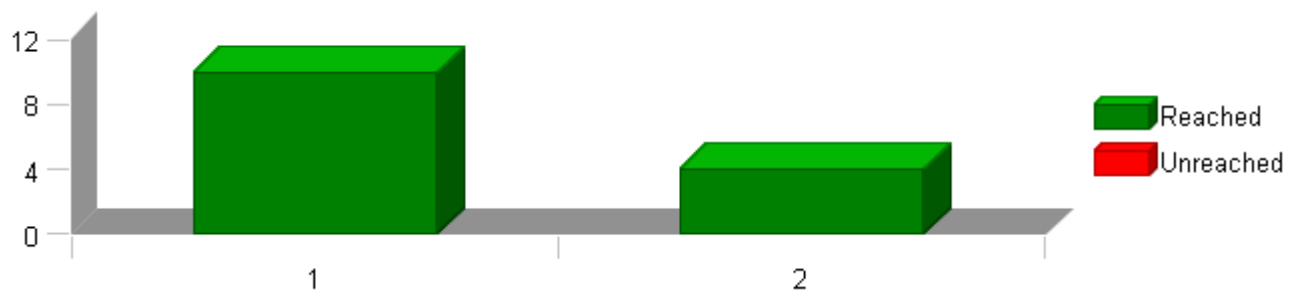
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### Branch (C1) Coverage: Total Branches for Each Test Object



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

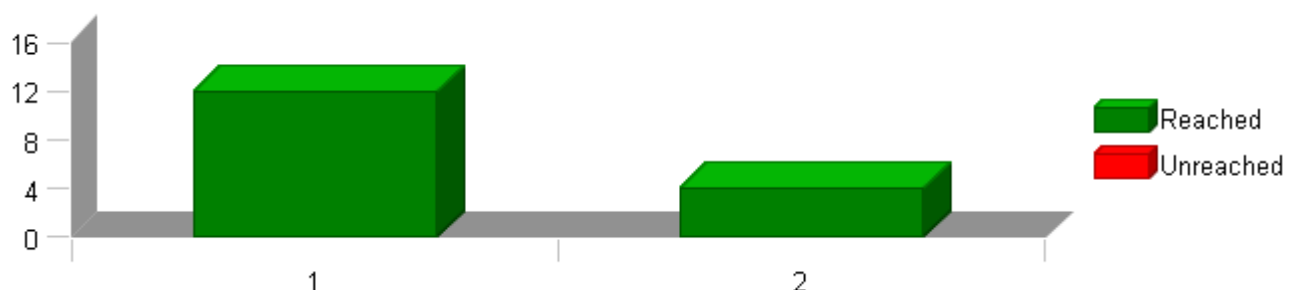
### Decision Coverage: Total Decision Outcomes for Each Test Object



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

Each bar is divided into reached and unreached decision outcomes.

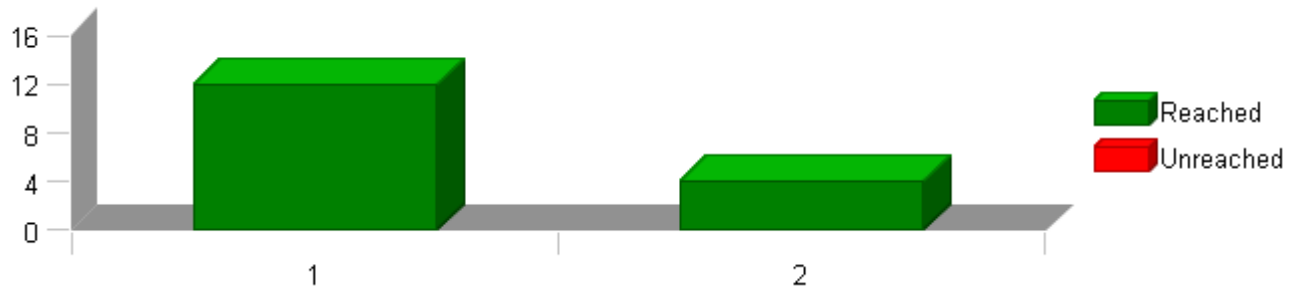
### MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

## MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

## TEST OVERVIEW REPORT

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Project MtrCtrl\_CM\_SF99B



### 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	<a href="#">PeakCurrEst_Per1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	<a href="#">PeakCurrEst_Per2</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

# TEST DETAILS REPORT

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PeakCurrEst\_Per2



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 -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtLib\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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false

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PeakCurrEst\_Per2



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 DETAILS REPORT

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PeakCurrEst\_Per2



## 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 DETAILS REPORT

PeakCurrEst\_Per2

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## 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 2.9 535 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)

Test Step 2b (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	✓



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PeakCurrEst\_Per2

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## 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

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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	✓

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PeakCurrEst\_Per2

## 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** Vector Description:

TS 3.1-FiltEstPkCurr\_AmpSq\_T\_f32 = Limit\_m(FiltEstPkCurr\_AmpSq\_T\_f32, D\_ESTPKCURRLOLMT\_AMPSQ\_F32, D\_ESTPKCURRHILMT\_AMPSQ\_F32)=>D\_ESTPKCURRHILMT\_AMPSQ\_F32  
TS 3.2-FiltEstPkCurr\_AmpSq\_T\_f32 = Limit\_m(FiltEstPkCurr\_AmpSq\_T\_f32, D\_ESTPKCURRLOLMT\_AMPSQ\_F32, D\_ESTPKCURRHILMT\_AMPSQ\_F32)=>D\_ESTPKCURRLOLMT\_AMPSQ\_F32  
TS 3.3-FiltEstPkCurr\_AmpSq\_T\_f32 = Limit\_m(FiltEstPkCurr\_AmpSq\_T\_f32, D\_ESTPKCURRLOLMT\_AMPSQ\_F32, D\_ESTPKCURRHILMT\_AMPSQ\_F32)=>FiltEstPkCurr\_AmpSq\_T\_f32

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
EstPkCurrFiltSV_AmpSq_M_u16p16	0		
EstPkCurr_AmpSq_M_f32	0		
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst		
k_EstPkCurrSlowLoopLPFKn_Uls_u16	500		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32		
Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	0	0	✔
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	0	0	✔

## Test Step Call Trace

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

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400		
EstPkCurr_AmpSq_M_f32	48400		
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst		
k_EstPkCurrSlowLoopLPFKn_Uls_u16	4836		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32		
Name	Actual Value	Expected Value	Result
EstPkCurrFiltSV_AmpSq_M_u16p16	3171942400	3171942400	✓
tgt_PeakCurrEst_Per2_FiltEstPkCurr_AmpSq_f32.value	48400	48400	✓

## Test Step Call Trace

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

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PeakCurrEst\_Per2

## 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	✓

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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 -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NtrLib\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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false

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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

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PeakCurrEst\_Per1

## Test Case 1: Metrics Test

<b>Specification</b>	Performance metrics (With "None" instrumentation and "WithPS" environment)  CPU Cycles:  TS 1.1 646 cycles TS 1.2 628 cycles
<b>Description</b>	Vector Description  TS 1.1-Longest Execution Path=>( (lvtrLoaMtgnEn_Cnt_T_lgc == TRUE)    (MotCurrLoaMtgnEn_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=>( (lvtrLoaMtgnEn_Cnt_T_lgc == TRUE)    (MotCurrLoaMtgnEn_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_lvtrLoaMtgnEn_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_lvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_lvtrLoaMtgnEn_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	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	✓

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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_lvrLoaMtgnEn_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_lvrLoaMtgnEn_Cnt_lgc		tgt_PeakCurrEst_Per1_lvrLoaMtgnEn_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		-230686720	-230686720	✓
EstPkCurr_AmpSq_M_f32		48400	48400	✓
QaxCurrFiltSV_Amp_M_s11p20		-230686720	-230686720	✓
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value		48400	48400	✓



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## 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 2.21 638 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-lvtrLoaMtgnEn\_Cnt\_lgc==>Min  
TS 2.27-lvtrLoaMtgnEn\_Cnt\_lgc==>Max  
TS 2.28-MotCurrLoaMtgnEn\_Cnt\_lgc==>Min  
TS 2.29-MotCurrLoaMtgnEn\_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

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Name	Input Value		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220		
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220		
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

Test Step 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_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value		220		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		230686720	230686720	
EstPkCurr_AmpSq_M_f32		48400	48400	
QaxCurrFiltSV_Amp_M_s11p20		230686720	230686720	
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value		48400	48400	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

Test Step 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_Igc.value	0	
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0	

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PeakCurrEst\_Per1

Name	Input Value
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	150.1241
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	182.949448
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	203.837219
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32

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

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

Test Step 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_IvtrLoaMtgnEn_Cnt_lgc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_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		-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_IvtrLoaMtgnEn_Cnt_lgc.value	0	
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_lgc.value	0	
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-59.6330109	

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PeakCurrEst\_Per1

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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		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_lvtrLoaMtgnEn_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	

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PeakCurrEst\_Per1

Name	Input Value		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-13.8182201		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_DualEcuMotCtrlMtnEna_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtnEna_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtnEna_Cnt_Igc.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_DualEcuMotCtrlMtnEna_Cnt_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtnEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtnEna_Cnt_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtnEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtnEna_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtnEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		-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_DualEcuMotCtrlMtnEna_Cnt_Igc.value	1
tgt_PeakCurrEst_Per1_IvtrLoaMtnEna_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtnEna_Cnt_Igc.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
tot_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtnEna_Cnt_Igc

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PeakCurrEst\_Per1

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_IvtrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		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_Igc.value	0
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc

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Name	Input Value		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value	1
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32



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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_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		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_Igc.value	0
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32



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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	✓

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## 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_DualEcuMotCtrlMtgEna_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.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_DualEcuMotCtrlMtgEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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_DualEcuMotCtrlMtgEna_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.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_DualEcuMotCtrlMtgEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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	✓

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## 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_lvtrLoaMtgnEn_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_lvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_lvtrLoaMtgnEn_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	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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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	✓

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## 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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_IvtrLoaMtgnEn_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_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	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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_lvtrLoaMtgnEn_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_lvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_lvtrLoaMtgnEn_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	-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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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	✓

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## 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_lvtrLoaMtgnEn_Cnt_lgc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_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_lvtrLoaMtgnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_lvtrLoaMtgnEn_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	-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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓



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## 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_DualEcuMotCtrlMtgEna_Cnt_lgc.value	0		
tgt_PeakCurrEst_Per1_lvtrLoaMtgtnEn_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_DualEcuMotCtrlMtgEna_Cnt_lgc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_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_lvtrLoaMtgtnEn_Cnt_lgc	tgt_PeakCurrEst_Per1_lvtrLoaMtgtnEn_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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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	✓

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## 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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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	✓

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## 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_DualEcuMotCtrlMtgEna_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.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_DualEcuMotCtrlMtgEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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_DualEcuMotCtrlMtgEna_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc.value	1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc.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_DualEcuMotCtrlMtgEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgEna_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgtnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	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	✓

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## 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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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

<b>Specification</b>	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
<b>Description</b>	Vector Description  TS 3.1-(IvtrLoaMtgnEn_Cnt_T_Igc == TRUE)    (MotCurrLoaMtgnEn_Cnt_T_Igc == TRUE)    (DualEcuMotCtrlMtgnEna_Cnt_T_Igc == TRUE) )>False TS 3.2-(IvtrLoaMtgnEn_Cnt_T_Igc == TRUE)    (MotCurrLoaMtgnEn_Cnt_T_Igc == TRUE)    (DualEcuMotCtrlMtgnEna_Cnt_T_Igc == 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_Igc.value	0
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220

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PeakCurrEst\_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

## Test Step 3.2 (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_Igc.value	1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.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_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-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_Igc.value	1
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value	0
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value	-220
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value	-220
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32



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Name	Input Value		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name	Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
EstPkCurr_AmpSq_M_f32	48400	48400	✔
QaxCurrFiltSV_Amp_M_s11p20	-230686720	-230686720	✔
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value	48400	48400	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

Test Step 3.4 (Repeat Count = 1)				
Name		Input Value		
DaxCurrFiltSV_Amp_M_s11p20		230686720		
QaxCurrFiltSV_Amp_M_s11p20		230686720		
Rte_Inst_Ap_PeakCurrEst		tgt_Rte_Inst_Ap_PeakCurrEst		
k_EstPkCurr2msLPFKn_Uls_u16		7739		
target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value		1		
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value		220		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value		220		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		230686720	230686720	✓
EstPkCurr_AmpSq_M_f32		48400	48400	✓
QaxCurrFiltSV_Amp_M_s11p20		230686720	230686720	✓
tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32.value		48400	48400	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP0_CheckpointReached	1	✓
Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	Rte_Call_PeakCurrEst_Per1_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)	
Name	Input Value
DaxCurrFiltSV_Amp_M_s11p20	-230686720
QaxCurrFiltSV_Amp_M_s11p20	-230686720
Rte_Inst_Ap_PeakCurrEst	tgt_Rte_Inst_Ap_PeakCurrEst
k_EstPkCurr2msLPFKn_Uls_u16	82
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	-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_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



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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_Igc.value		1		
tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc.value		0		
tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32.value		150.1241		
tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32.value		182.949448		
tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32.value		203.837219		
tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32.value		-220		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		target_PeakCurrEst_Per1_DualEcuMotCtrlMtgnEna_Cnt_Igc		
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_Igc		tgt_PeakCurrEst_Per1_IvtrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		tgt_PeakCurrEst_Per1_MotCurrLoaMtgnEn_Cnt_Igc		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQaxRef_Amp_f32		
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrQax_Amp_f32		tgt_PeakCurrEst_Per1_MtrCurrQax_Amp_f32		
Name		Actual Value	Expected Value	Result
DaxCurrFiltSV_Amp_M_s11p20		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_DualEcuMotCtrlMtnEna_Cnt_Igc.value	0	
tgt_PeakCurrEst_Per1_IvtrLoaMtnEn_Cnt_Igc.value	0	
tgt_PeakCurrEst_Per1_MotCurrLoaMtnEn_Cnt_Igc.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_DualEcuMotCtrlMtnEna_Cnt_Igc	target_PeakCurrEst_Per1_DualEcuMotCtrlMtnEna_Cnt_Igc	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	tgt_PeakCurrEst_Per1_EstPkCurr_AmpSq_f32	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_IvtrLoaMtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_IvtrLoaMtnEn_Cnt_Igc	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MotCurrLoaMtnEn_Cnt_Igc	tgt_PeakCurrEst_Per1_MotCurrLoaMtnEn_Cnt_Igc	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDaxRef_Amp_f32	
tgt_Rte_Inst_Ap_PeakCurrEst.PeakCurrEst_Per1_MtrCurrDax_Amp_f32	tgt_PeakCurrEst_Per1_MtrCurrDax_Amp_f32	

# TEST DETAILS REPORT

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PeakCurrEst\_Per1

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	✓	