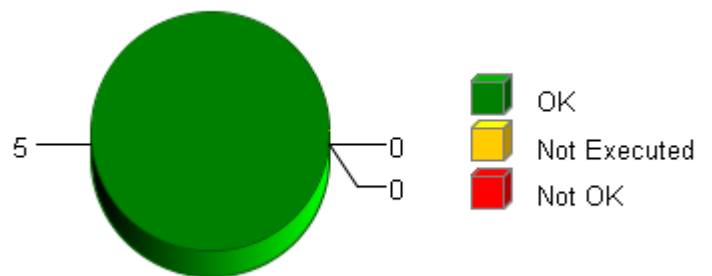


## Summary

Total Test Objects: 5  
Successful: 5  
Failed: 0  
Not Executed: 0  
Date: 2016-09-15  
Time: 13:31:25+0530

## Overall Test Object Results (including Coverage)



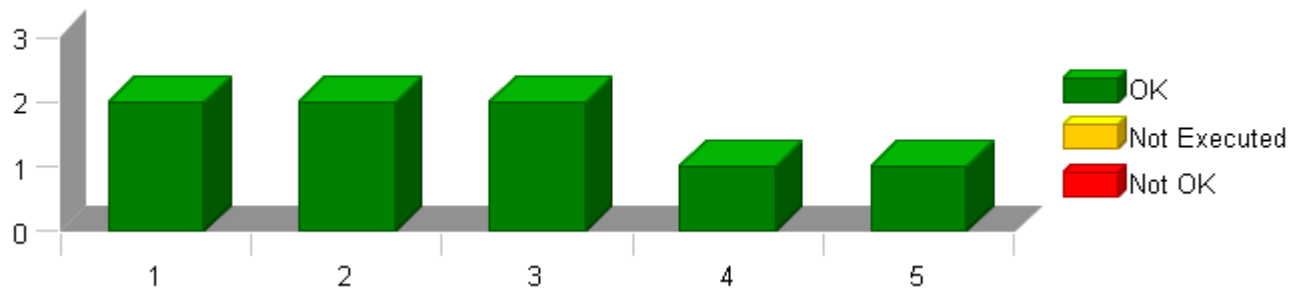
## Selected Project Items

Test Object "CBD\_UnitTest/CurrParamComp/CurrParamComp\_Init"  
Test Object "CBD\_UnitTest/CurrParamComp/CurrParamComp\_Per1"  
Test Object "CBD\_UnitTest/CurrParamComp/CurrParamComp\_Per2"  
Test Object "CBD\_UnitTest/CurrParamComp/SCom\_EOLNomMtrParam\_Get"  
Test Object "CBD\_UnitTest/CurrParamComp/SCom\_EOLNomMtrParam\_Set"

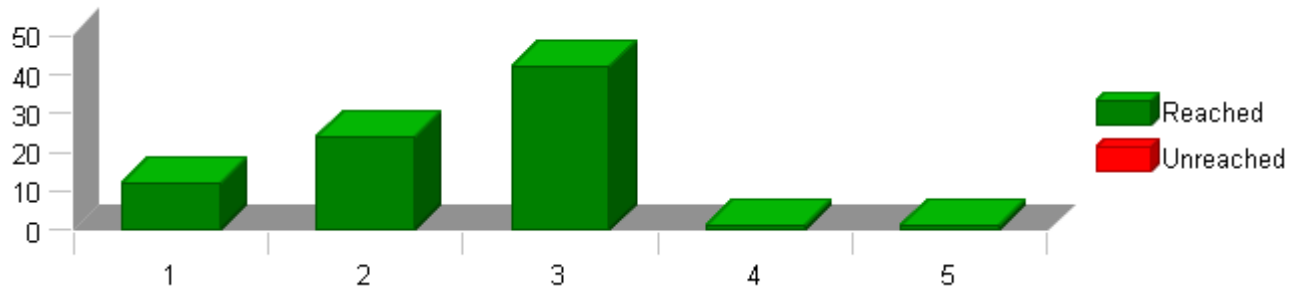
## Used Test Environments

TI TMS 570 PLS UDE (Default)

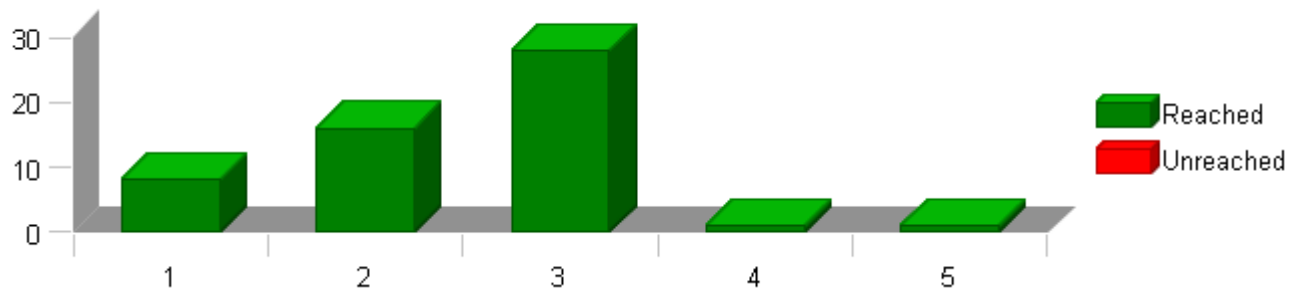
## Test Case Results for Each Test Object (without Coverage)



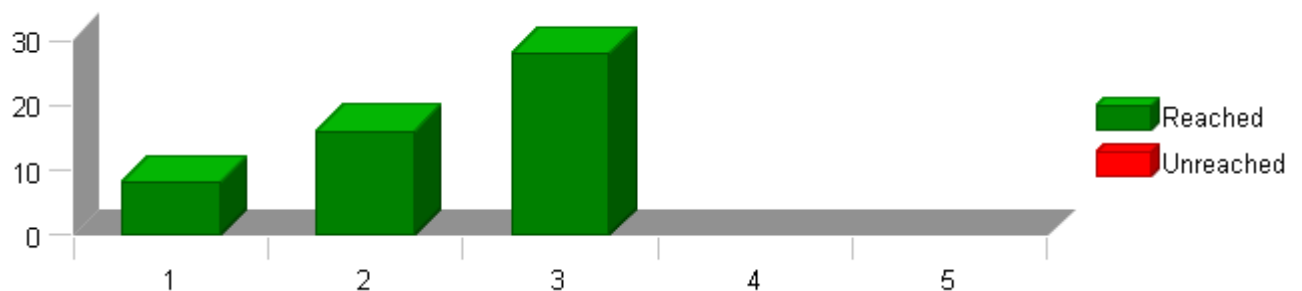
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

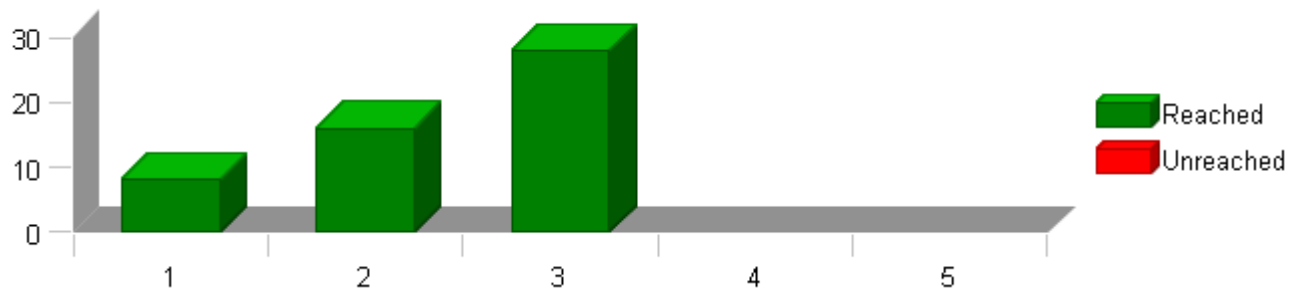
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

**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.

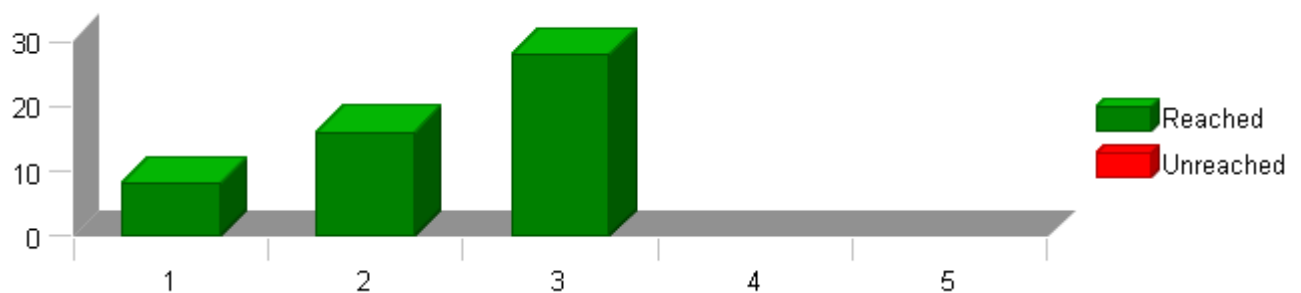
## MC/DC Coverage: Total Condition Combinations for Each Test Object



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 % | 8 of 8 passed | ✓      |
|     | CBD_UnitTest                            | 100 % | 100 % | 100 % | 100 % | 100 % | 8 of 8 passed | ✓      |
|     | CurrParamComp                           | 100 % | 100 % | 100 % | 100 % | 100 % | 8 of 8 passed | ✓      |
| 1   | <a href="#">CurrParamComp_Init</a>      | 100 % | 100 % | 100 % | 100 % | 100 % | 2 of 2 passed | ✓      |
| 2   | <a href="#">CurrParamComp_Per1</a>      | 100 % | 100 % | 100 % | 100 % | 100 % | 2 of 2 passed | ✓      |
| 3   | <a href="#">CurrParamComp_Per2</a>      | 100 % | 100 % | 100 % | 100 % | 100 % | 2 of 2 passed | ✓      |
| 4   | <a href="#">SCom_EOLNomMtrParam_Get</a> | 100 % | 100 % | -     | -     | -     | 1 of 1 passed | ✓      |
| 5   | <a href="#">SCom_EOLNomMtrParam_Set</a> | 100 % | 100 % | -     | -     | -     | 1 of 1 passed | ✓      |

# TEST DETAILS REPORT

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CurrParamComp\_Init



|             |                    |
|-------------|--------------------|
| Project     | MtrCtrl_CM_SF99B   |
| Module      | CurrParamComp      |
| Test Object | CurrParamComp_Init |

## Instrumentation: Test Object Only

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

## Statistics

|                 |     |
|-----------------|-----|
| Total Testcases | 2   |
| Successful      | 2 ✓ |
| Failed          | 0   |
| Not Executed    | 0   |

## Module Properties

|                        |  |
|------------------------|--|
| Project Root Directory | D:\Synergy_Work_Area\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)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\MtrCtrl_CM\src\Ap_CurrParamComp.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |

## Comments/Description/Specification

| Name                   | Text   |
|------------------------|--|
| Module 'CurrParamComp' | *****Unit Test Information*****<br><br>Name of Tester:Komal Sharma<br>Code File(s) Under Test:Ap_CurrParamComp.c<br>Code File(s) Version:12<br>Module Design Document:CurrParamComp_MDD.docx<br>Module Design Document Version:7<br>Data Dictionary Version:15<br>Unit Test Plan Version:5<br>Optimization Level:Level 2<br>Compiler (CodeGen) Version:TMS470_4.9.5<br>Model Type:Excel Macro<br>Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32<br>Total FLASH Used (Bytes):1766<br>Total RAM Used (Bytes):52<br>Total CALS Used (Bytes):2865<br>Special Test Requirements:NA<br>Test Date:9/15/2016<br>Comments:"Note 1: Inline functions declared in Globalmacro.h are not Unit Tested.<br><br>Note 2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.<br><br>Note 3: In Function ""CurrParamComp_Per2"", to cover the ""Limit_m"" condition ""(NomKe_VpRadpS_T_f32) <= (0.01) ==> TRUE"" at SRC line number 419, Variable ""NomKe_VpRadpS_f32"" is given out of range value as '0.01' over the DD range as [0.025, 0.075] in Metrics test vector number '2'.<br>***** |

## 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                   |

# TEST DETAILS REPORT

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CurrParamComp\_Init



| Attributes          |   |
|---------------------|---|
| Name                | Value   |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                            |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                   |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl          |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4  |
| Timer Enabled       | false   |
| Timer Prescale      | 0   |
| Timer Resolution    | 1   |
| Timer Unit          | Cycles  |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                  |
| Workspace File      | D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |

# TEST DETAILS REPORT

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CurrParamComp\_Init

## Test Case 1: Metrics Test

|                      |  |
|----------------------|--|
| <b>Specification</b> | Performance Metrics (With "None" Instrumentation and WithPS Environment)<br><br>CPU Cycles:<br><br>TS1.1 40.00 Cycles<br>TS1.2 57.00 Cycles  |
| <b>Description</b>   | Vector Description:<br><br>TS1.1"Shortest Execution Path:<br>(NomKe_VpRadpS_T_f32>= k_MaxKeRngLmt_VpRadpS_f32)=True<br>( NomRmtr_Ohm_T_f32>= D_MAXRRANGE_OHM_F32)=True"<br>TS1.2"Longest Execution Path:<br>(NomKe_VpRadpS_T_f32>= k_MaxKeRngLmt_VpRadpS_f32)=False<br>( NomRmtr_Ohm_T_f32>= D_MAXRRANGE_OHM_F32)=False" |

## Test Step 1.1 (Repeat Count = 1)

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.075000003                                 |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.075000003                                 |                |        |
| k_NomLd_Henry_f32   | 0.000410000008                              |                |        |
| k_NomLq_Henry_f32   | 0.000410000008                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.075000003                                 |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.125650004                                 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.075000003                                 | 0.075000003    | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.075000003                                 | 0.075000003    | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.075000003                                 | 0.075000003    | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000410000008                              | 0.000410000008 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000410000008                              | 0.000410000008 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.125650004                                 | 0.125650004    | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.2 (Repeat Count = 1)

| Name  | Input Value                                 |                 |        |
|---|---|-----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                 |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0412000008                                |                 |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0269000009                                |                 |        |
| k_NomLd_Henry_f32   | 2.99999992e-005                             |                 |        |
| k_NomLq_Henry_f32   | 0.00026999999                               |                 |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0375000015                                |                 |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0781000033                                |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                 |        |
| Name  | Actual Value                                | Expected Value  | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0375000015                                | 0.0375000015    | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0375000015                                | 0.0375000015    | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0375000015                                | 0.0375000015    | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 2.99999992e-005                             | 2.99999992e-005 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.00026999999                               | 0.00026999999   | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0781000033                                | 0.0781000033    | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

# TEST DETAILS REPORT

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CurrParamComp\_Init

## Test Case 2: Boundary Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS2.1 48.00 Cycles  
TS2.2 40.00 Cycles  
TS2.3 57.00 Cycles  
TS2.4 59.00 Cycles  
TS2.5 59.00 Cycles  
TS2.6 59.00 Cycles  
TS2.7 59.00 Cycles  
TS2.8 59.00 Cycles  
TS2.9 59.00 Cycles  
TS2.10 50.00 Cycles  
TS2.11 57.00 Cycles  
TS2.12 59.00 Cycles  
TS2.13 48.00 Cycles  
TS2.14 59.00 Cycles  
TS2.15 59.00 Cycles  
TS2.16 59.00 Cycles  
TS2.17 59.00 Cycles  
TS2.18 48.00 Cycles  
TS2.19 59.00 Cycles  
TS2.20 59.00 Cycles

**Description** Vector Description:

TS2.1 All min  
TS2.2 Allmax  
TS2.3 k\_NomLd\_Henry\_f32 min  
TS2.4 k\_NomLd\_Henry\_f32 max  
TS2.5 k\_NomLd\_Henry\_f32 pos/Default  
TS2.6 k\_NomLq\_Henry\_f32 min  
TS2.7 k\_NomLq\_Henry\_f32 max  
TS2.8 k\_NomLq\_Henry\_f32 pos/Default  
TS2.9 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 min  
TS2.10 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 max  
TS2.11 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 pos  
TS2.12 Rte\_Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 min  
TS2.13 Rte\_Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 max  
TS2.14 Rte\_Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 pos  
TS2.15 k\_MinKeRngLmt\_VpRadpS\_f32 min  
TS2.16 k\_MinKeRngLmt\_VpRadpS\_f32 max  
TS2.17 k\_MinKeRngLmt\_VpRadpS\_f32 pos/Default  
TS2.18 k\_MaxKeRngLmt\_VpRadpS\_f32 min  
TS2.19 k\_MaxKeRngLmt\_VpRadpS\_f32 max  
TS2.20 k\_MaxKeRngLmt\_VpRadpS\_f32 pos/Default

## Test Step 2.1 (Repeat Count = 1)

| Name  | Input Value                                 |                 |        |
|---|---|-----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                 |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0250000004                                |                 |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0250000004                                |                 |        |
| k_NomLd_Henry_f32   | 2.99999992e-005                             |                 |        |
| k_NomLq_Henry_f32   | 2.99999992e-005                             |                 |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0250000004                                |                 |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.00499999989                               |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                 |        |
| Name  | Actual Value                                | Expected Value  | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0250000004                                | 0.0250000004    | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0250000004                                | 0.0250000004    | ✓      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0250000004                                | 0.0250000004    | ✓      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 2.99999992e-005                             | 2.99999992e-005 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 2.99999992e-005                             | 2.99999992e-005 | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.00499999989                               | 0.00499999989   | ✓      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 2.2 (Repeat Count = 1)

| Name                      | Input Value                      |
|---------------------------|----------------------------------|
| Rte_Inst_Ap_CurrParamComp | target_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32 | 0.075000003                      |
| k_MinKeRngLmt_VpRadpS_f32 | 0.075000003                      |
| k_NomLd_Henry_f32         | 0.00041000008                    |



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CurrParamComp\_Init

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| k_NomLq_Henry_f32   | 0.000410000008                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.075000003                                 |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.125650004                                 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.075000003                                 | 0.075000003    | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.075000003                                 | 0.075000003    | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.075000003                                 | 0.075000003    | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000410000008                              | 0.000410000008 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000410000008                              | 0.000410000008 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.125650004                                 | 0.125650004    | ✔      |

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

| Test Step 2.3 (Repeat Count = 1)                                      |  |   |                 | ✓      |
|---|--|---|-----------------|--------|
| Name  |  | Input Value                                 |                 |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                 |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0412000008                                |                 |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0269000009                                |                 |        |
| k_NomLd_Henry_f32   |  | 2.99999992e-005                             |                 |        |
| k_NomLq_Henry_f32   |  | 0.00026999999                               |                 |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0375000015                                |                 |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0781000033                                |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                 |        |
| Name  |  | Actual Value                                | Expected Value  | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0375000015                                | 0.0375000015    | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0375000015                                | 0.0375000015    | ✓      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0375000015                                | 0.0375000015    | ✓      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 2.99999992e-005                             | 2.99999992e-005 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       |  | 0.00026999999                               | 0.00026999999   | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          |  | 0.0781000033                                | 0.0781000033    | ✓      |

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

| Test Step 2.4 (Repeat Count = 1)                                      |  |   |                | ✓      |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0428999998                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0273000002                                |                |        |
| k_NomLd_Henry_f32   |  | 0.000410000008                              |                |        |
| k_NomLq_Henry_f32   |  | 0.000180000003                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0388999991                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0577999987                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0388999991                                | 0.0388999991   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0388999991                                | 0.0388999991   | ✓      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0388999991                                | 0.0388999991   | ✓      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 0.000410000008                              | 0.000410000008 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       |  | 0.000180000003                              | 0.000180000003 | ✓      |

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| Name   | Actual Value | Expected Value | Result |
|--|--------------|----------------|--------|
| target_CurrParamComp_Init_EstR_Ohm_f32.value | 0.0577999987 | 0.0577999987   | ✓      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 2.5 (Repeat Count = 1)

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0445999987                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0276999995                                |                |        |
| k_NomLd_Henry_f32   | 0.000118889999                              |                |        |
| k_NomLq_Henry_f32   | 0.000310000003                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0403000005                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0781000033                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0403000005                                | 0.0403000005   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0403000005                                | 0.0403000005   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0403000005                                | 0.0403000005   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000118889999                              | 0.000118889999 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000310000003                              | 0.000310000003 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0781000033                                | 0.0781000033   | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 2.6 (Repeat Count = 1)

| Name  | Input Value                                 |                 |        |
|---|---|-----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                 |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0463000014                                |                 |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0281000007                                |                 |        |
| k_NomLd_Henry_f32   | 0.00026999999                               |                 |        |
| k_NomLq_Henry_f32   | 2.99999992e-005                             |                 |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0417000018                                |                 |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0571000017                                |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                 |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                 |        |
| Name  | Actual Value                                | Expected Value  | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0417000018                                | 0.0417000018    | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0417000018                                | 0.0417000018    | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0417000018                                | 0.0417000018    | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.00026999999                               | 0.00026999999   | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 2.99999992e-005                             | 2.99999992e-005 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0571000017                                | 0.0571000017    | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 2.7 (Repeat Count = 1)

| Name                      | Input Value                      |
|---------------------------|----------------------------------|
| Rte_Inst_Ap_CurrParamComp | target_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32 | 0.0480000004                     |
| k_MinKeRngLmt_VpRadpS_f32 | 0.0285                           |

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| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| k_NomLd_Henry_f32   | 0.000180000003                              |                |        |
| k_NomLq_Henry_f32   | 0.000410000008                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0430999994                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0680999979                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0430999994                                | 0.0430999994   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0430999994                                | 0.0430999994   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0430999994                                | 0.0430999994   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000180000003                              | 0.000180000003 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000410000008                              | 0.000410000008 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0680999979                                | 0.0680999979   | ✔      |

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

| Test Step 2.8 (Repeat Count = 1)                                      |  |   |                |        |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0496999994                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0288999993                                |                |        |
| k_NomLd_Henry_f32   |  | 0.000310000003                              |                |        |
| k_NomLq_Henry_f32   |  | 0.000118889999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0445000008                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0790000036                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0445000008                                | 0.0445000008   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0445000008                                | 0.0445000008   | ✓      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0445000008                                | 0.0445000008   | ✓      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 0.000310000003                              | 0.000310000003 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       |  | 0.000118889999                              | 0.000118889999 | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          |  | 0.0790000036                                | 0.0790000036   | ✓      |

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

| Test Step 2.9 (Repeat Count = 1)                                      |  |   |                | ✔      |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0513999984                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0293000005                                |                |        |
| k_NomLd_Henry_f32   |  | 0.00026999999                               |                |        |
| k_NomLq_Henry_f32   |  | 0.000209999998                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0458999984                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.00499999989                               |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0458999984                                | 0.0458999984   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0458999984                                | 0.0458999984   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0458999984                                | 0.0458999984   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 0.00026999999                               | 0.00026999999  | ✔      |

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| Name  | Actual Value   | Expected Value | Result |
|---|----------------|----------------|--------|
| target_CurrParamComp_Init_EstLq_Henry_f32.value | 0.000209999998 | 0.000209999998 | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value    | 0.004999999989 | 0.004999999989 | ✓      |

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

## Test Step 2.10 (Repeat Count = 1)

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0531000011                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0296999998                                |                |        |
| k_NomLd_Henry_f32   | 0.000169999999                              |                |        |
| k_NomLq_Henry_f32   | 0.000300000014                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0472999997                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.125650004                                 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0472999997                                | 0.0472999997   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0472999997                                | 0.0472999997   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0472999997                                | 0.0472999997   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000169999999                              | 0.000169999999 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000300000014                              | 0.000300000014 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.125650004                                 | 0.125650004    | ✔      |

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

## Test Step 2.11 (Repeat Count = 1)

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0548                                      |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0300999992                                |                |        |
| k_NomLd_Henry_f32   | 0.000209999998                              |                |        |
| k_NomLq_Henry_f32   | 0.000280000007                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0487000011                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0719999969                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0487000011                                | 0.0487000011   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0487000011                                | 0.0487000011   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0487000011                                | 0.0487000011   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000209999998                              | 0.000209999998 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000280000007                              | 0.000280000007 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0719999969                                | 0.0719999969   | ✔      |

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

## Test Step 2.12 (Repeat Count = 1)

| Name                      | Input Value                      |
|---------------------------|----------------------------------|
| Rte_Inst_Ap_CurrParamComp | target_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32 | 0.056499999                      |

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
CurrParamComp\_Init

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| k_MinKeRngLmt_VpRadpS_f32   | 0.0305000003                                |                |        |
| k_NomLd_Henry_f32   | 0.000300000014                              |                |        |
| k_NomLq_Henry_f32   | 0.000255999999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0250000004                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0781000033                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0305000003                                | 0.0305000003   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0305000003                                | 0.0305000003   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0305000003                                | 0.0305000003   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000300000014                              | 0.000300000014 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000255999999                              | 0.000255999999 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0781000033                                | 0.0781000033   | ✔      |

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

| Test Step 2.13 (Repeat Count = 1)                                     |  |   |                | ✔      |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0582000017                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0308999997                                |                |        |
| k_NomLd_Henry_f32   |  | 0.000280000007                              |                |        |
| k_NomLq_Henry_f32   |  | 0.000269999999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0750000003                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0891999975                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0582000017                                | 0.0582000017   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0582000017                                | 0.0582000017   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0582000017                                | 0.0582000017   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 0.000280000007                              | 0.000280000007 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       |  | 0.000269999999                              | 0.000269999999 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          |  | 0.0891999975                                | 0.0891999975   | ✔      |

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

| Test Step 2.14 (Repeat Count = 1)                                     |  |   |                |  |
|---|--|---|----------------|---|
| Name  |  | Input Value                                 |                |   |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |   |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0599000007                                |                |   |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0313000008                                |                |   |
| k_NomLd_Henry_f32   |  | 0.000255999999                              |                |   |
| k_NomLq_Henry_f32   |  | 0.000169999999                              |                |   |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0529000014                                |                |   |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0421000011                                |                |   |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |   |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |   |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |   |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |   |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |   |
| Name  |  | Actual Value                                | Expected Value | Result  |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0529000014                                | 0.0529000014   |  |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0529000014                                | 0.0529000014   |  |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0529000014                                | 0.0529000014   |  |

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| Name  | Actual Value   | Expected Value | Result |
|---|----------------|----------------|--------|
| target_CurrParamComp_Init_EstLd_Henry_f32.value | 0.000255999999 | 0.000255999999 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value | 0.000169999999 | 0.000169999999 | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value    | 0.0421000011   | 0.0421000011   | ✓      |

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

| Test Step 2.15 (Repeat Count = 1)                                     |   |                |        |  |
|---|---|----------------|--------|--|
| Name  | Input Value                                 |                |        |  |
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0615999997                                |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0250000004                                |                |        |  |
| k_NomLd_Henry_f32   | 0.000269999999                              |                |        |  |
| k_NomLq_Henry_f32   | 0.000209999998                              |                |        |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.054299999                                 |                |        |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0781000033                                |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |  |
| Name  | Actual Value                                | Expected Value | Result |  |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.054299999                                 | 0.054299999    | ✓      |  |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.054299999                                 | 0.054299999    | ✓      |  |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.054299999                                 | 0.054299999    | ✓      |  |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000269999999                              | 0.000269999999 | ✓      |  |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000209999998                              | 0.000209999998 | ✓      |  |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0781000033                                | 0.0781000033   | ✓      |  |

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

| Test Step 2.16 (Repeat Count = 1)                                     |   |                |        |  |
|---|---|----------------|--------|--|
| Name  | Input Value                                 |                |        |  |
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0632999986                                |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0750000003                                |                |        |  |
| k_NomLd_Henry_f32   | 0.000180000003                              |                |        |  |
| k_NomLq_Henry_f32   | 0.000300000014                              |                |        |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0557000004                                |                |        |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0577999987                                |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |  |
| Name  | Actual Value                                | Expected Value | Result |  |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.075000003                                 | 0.075000003    | ✓      |  |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.075000003                                 | 0.075000003    | ✓      |  |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.075000003                                 | 0.075000003    | ✓      |  |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000180000003                              | 0.000180000003 | ✓      |  |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000300000014                              | 0.000300000014 | ✓      |  |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0577999987                                | 0.0577999987   | ✓      |  |

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

| Test Step 2.17 (Repeat Count = 1) |                                  |
|-----------------------------------|----------------------------------|
| Name                              | Input Value                      |
| Rte_Inst_Ap_CurrParamComp         | target_Rte_Inst_Ap_CurrParamComp |

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| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0649999976                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0260000005                                |                |        |
| k_NomLd_Henry_f32   | 0.000310000003                              |                |        |
| k_NomLq_Henry_f32   | 0.000280000007                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0571000017                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0781000033                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0571000017                                | 0.0571000017   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0571000017                                | 0.0571000017   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0571000017                                | 0.0571000017   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000310000003                              | 0.000310000003 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000280000007                              | 0.000280000007 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0781000033                                | 0.0781000033   | ✔      |

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

| Test Step 2.18 (Repeat Count = 1)                                     |  |   |                |        |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0250000004                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0329000019                                |                |        |
| k_NomLd_Henry_f32   |  | 0.00026999999                               |                |        |
| k_NomLq_Henry_f32   |  | 0.000255999999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0584999993                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0571000017                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0250000004                                | 0.0250000004   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0250000004                                | 0.0250000004   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     |  | 0.0250000004                                | 0.0250000004   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       |  | 0.00026999999                               | 0.00026999999  | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       |  | 0.000255999999                              | 0.000255999999 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          |  | 0.0571000017                                | 0.0571000017   | ✔      |

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

| Test Step 2.19 (Repeat Count = 1)                                     |  |   |                |        |
|---|--|---|----------------|--------|
| Name  |  | Input Value                                 |                |        |
| Rte_Inst_Ap_CurrParamComp   |  | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   |  | 0.0750000003                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   |  | 0.0333000012                                |                |        |
| k_NomLd_Henry_f32   |  | 0.0001699999999                             |                |        |
| k_NomLq_Henry_f32   |  | 0.000269999999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           |  | 0.0599000007                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             |  | 0.0680999979                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 |  | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   |  | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   |  | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      |  | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   |  | target_Pim_EOLNomMtrParam                   |                |        |
| Name  |  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   |  | 0.0599000007                                | 0.0599000007   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]   |  | 0.0599000007                                | 0.0599000007   | ✓      |

# TEST DETAILS REPORT

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CurrParamComp\_Init

| Name  | Actual Value   | Expected Value | Result |
|---|----------------|----------------|--------|
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value | 0.0599000007   | 0.0599000007   | ✓      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value   | 0.000169999999 | 0.000169999999 | ✓      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value   | 0.000269999999 | 0.000269999999 | ✓      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value      | 0.0680999979   | 0.0680999979   | ✓      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 2.20 (Repeat Count = 1)

| Name  | Input Value                                 |                |        |
|---|---|----------------|--------|
| Rte_Inst_Ap_CurrParamComp   | target_Rte_Inst_Ap_CurrParamComp            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32   | 0.0599999987                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32   | 0.0337000005                                |                |        |
| k_NomLd_Henry_f32   | 0.000209999998                              |                |        |
| k_NomLq_Henry_f32   | 0.000169999999                              |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                           | 0.0612999983                                |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                             | 0.0790000036                                |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstKe_VpRadpS_f32 | target_CurrParamComp_Init_EstKe_VpRadpS_f32 |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLd_Henry_f32   | target_CurrParamComp_Init_EstLd_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstLq_Henry_f32   | target_CurrParamComp_Init_EstLq_Henry_f32   |                |        |
| target_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Init_EstR_Ohm_f32      | target_CurrParamComp_Init_EstR_Ohm_f32      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                   | target_Pim_EOLNomMtrParam                   |                |        |
| Name  | Actual Value                                | Expected Value | Result |
| MtrEstKe_VpRadpS_M_f32[0]   | 0.0599999987                                | 0.0599999987   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]   | 0.0599999987                                | 0.0599999987   | ✔      |
| target_CurrParamComp_Init_EstKe_VpRadpS_f32.value                     | 0.0599999987                                | 0.0599999987   | ✔      |
| target_CurrParamComp_Init_EstLd_Henry_f32.value                       | 0.000209999998                              | 0.000209999998 | ✔      |
| target_CurrParamComp_Init_EstLq_Henry_f32.value                       | 0.000169999999                              | 0.000169999999 | ✔      |
| target_CurrParamComp_Init_EstR_Ohm_f32.value                          | 0.0790000036                                | 0.0790000036   | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |



# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Get



|             |                         |
|-------------|-------------------------|
| Project     | MtrCtrl_CM_SF99B        |
| Module      | CurrParamComp           |
| Test Object | SCom_EOLNomMtrParam_Get |

## Instrumentation: Test Object Only

|                         |       |
|-------------------------|-------|
| Statement (C0) Coverage | 100 % |
| Branch (C1) Coverage    | 100 % |

## Statistics

|                 |   |
|-----------------|---|
| Total Testcases | 1 |
| Successful      | 1 |
| Failed          | 0 |
| Not Executed    | 0 |

## Module Properties

|                        |  |
|------------------------|--|
| Project Root Directory | D:\Synergy_Work_Area\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)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\MtrCtrl_CM\src\Ap_CurrParamComp.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |

## Comments/Description/Specification

| Name                   | Text   |
|------------------------|--|
| Module 'CurrParamComp' | *****Unit Test Information*****<br><br>Name of Tester:Komal Sharma<br>Code File(s) Under Test:Ap_CurrParamComp.c<br>Code File(s) Version:12<br>Module Design Document:CurrParamComp_MDD.docx<br>Module Design Document Version:7<br>Data Dictionary Version:15<br>Unit Test Plan Version:5<br>Optimization Level:Level 2<br>Compiler (CodeGen) Version:TMS470_4.9.5<br>Model Type:Excel Macro<br>Model Version:Nexteer EPS Unit Test Tool 2.7/EPS Library 1.32<br>Total FLASH Used (Bytes):1766<br>Total RAM Used (Bytes):52<br>Total CALS Used (Bytes):2865<br>Special Test Requirements:NA<br>Test Date:9/15/2016<br>Comments:"Note 1: Inline functions declared in Globalmacro.h are not Unit Tested.<br><br>Note 2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.<br><br>Note 3: In Function ""CurrParamComp_Per2"", to cover the ""Limit_m"" condition ""(NomKe_VpRadpS_T_f32) <= (0.01)) ==> TRUE"" at SRC line number 419, Variable ""NomKe_VpRadpS_f32"" is given out of range value as '0.01' over the DD range as [0.025, 0.075] in Metrics test vector number '2'.<br>***** |

## Attributes

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

# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Get



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

# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Get



## Test Case 1: Boundary Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 251.00 Cycles  
TS1.2 252.00 Cycles  
TS1.3 252.00 Cycles  
TS1.4 252.00 Cycles  
TS1.5 252.00 Cycles  
TS1.6 252.00 Cycles  
TS1.7 252.00 Cycles  
TS1.8 252.00 Cycles

**Description** Vector Description

TS1.1 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 min  
TS1.2 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 max  
TS1.3 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 pos  
TS1.4 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 min  
TS1.5 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 max  
TS1.6 Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 pos  
TS1.7 All min  
TS1.8 All max

### Test Step 1.1 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0250000004                     |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0768000036                     |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0250000004                     | 0.0250000004   | ✔      |
| target_NomRmtr_Ohm_f32                              | 0.0768000036                     | 0.0768000036   | ✔      |

### Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

### Test Step 1.2 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.075000003                      |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0571999997                     |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.075000003                      | 0.075000003    | ✔      |
| target_NomRmtr_Ohm_f32                              | 0.0571999997                     | 0.0571999997   | ✔      |

### Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

### Test Step 1.3 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0560000017                     |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0681999996                     |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0560000017                     | 0.0560000017   | ✔      |
| target_NomRmtr_Ohm_f32                              | 0.0681999996                     | 0.0681999996   | ✔      |

# TEST DETAILS REPORT

SCom\_EOLNomMtrParam\_Get

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## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.4 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0379999988                     |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.00499999989                    |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0379999988                     | 0.0379999988   | ✓      |
| target_NomRmtr_Ohm_f32                              | 0.00499999989                    | 0.00499999989  | ✓      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.5 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0469999984                     |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.125650004                      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0469999984                     | 0.0469999984   | ✔      |
| target_NomRmtr_Ohm_f32                              | 0.125650004                      | 0.125650004    | ✔      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.6 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0579999983                     |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0781999975                     |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0579999983                     | 0.0579999983   | ✓      |
| target_NomRmtr_Ohm_f32                              | 0.0781999975                     | 0.0781999975   | ✓      |

## Test Step Call Trace

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.7 (Repeat Count = 1)

| Name  | Input Value                      |
|---|----------------------------------|
| NomKe_VpRadpS_f32                           | target_NomKe_VpRadpS_f32         |
| NomRmtr_Ohm_f32                             | target_NomRmtr_Ohm_f32           |
| Rte_Inst_Ap_CurrParamComp                   | target_Rte_Inst_Ap_CurrParamComp |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32 | 0.0250000004                     |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32   | 0.00499999989                    |

# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Get

| Name  | Input Value               |                |        |
|---|---------------------------|----------------|--------|
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam |                |        |
| Name  | Actual Value              | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.0250000004              | 0.0250000004   | ✓      |
| target_NomRmtr_Ohm_f32                              | 0.00499999989             | 0.00499999989  | ✓      |

## Test Step Call Trace ✓

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

## Test Step 1.8 (Repeat Count = 1) ✓

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | target_NomKe_VpRadpS_f32         |                |        |
| NomRmtr_Ohm_f32                                     | target_NomRmtr_Ohm_f32           |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.075000003                      |                |        |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.125650004                      |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_NomKe_VpRadpS_f32                            | 0.075000003                      | 0.075000003    | ✓      |
| target_NomRmtr_Ohm_f32                              | 0.125650004                      | 0.125650004    | ✓      |

## Test Step Call Trace ✓

| Actual Function | Count | Expected Function        | Count | Result |
|-----------------|-------|--------------------------|-------|--------|
| *none*          | 0     | *** No Call Expected *** | 0     | ✓      |

# TEST DETAILS REPORT

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CurrParamComp\_Per2



|             |                    |
|-------------|--------------------|
| Project     | MtrCtrl_CM_SF99B   |
| Module      | CurrParamComp      |
| Test Object | CurrParamComp_Per2 |

## Instrumentation: Test Object Only

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

## Statistics

|                 |     |
|-----------------|-----|
| Total Testcases | 2   |
| Successful      | 2 ✓ |
| Failed          | 0   |
| Not Executed    | 0   |

## Module Properties

|                        |   |
|------------------------|---|
| Project Root Directory | D:\Synergy_Work_Area\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)\NxtLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\MtrCtrl_CM\src\Ap_CurrParamComp.c   |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |

## Comments/Description/Specification

| Name                   | Text   |
|------------------------|--|
| Module 'CurrParamComp' | *****Unit Test Information*****<br><br>Name of Tester:Komal Sharma<br>Code File(s) Under Test:Ap_CurrParamComp.c<br>Code File(s) Version:12<br>Module Design Document:CurrParamComp_MDD.docx<br>Module Design Document Version:7<br>Data Dictionary Version:15<br>Unit Test Plan Version:5<br>Optimization Level:Level 2<br>Compiler (CodeGen) Version:TMS470_4.9.5<br>Model Type:Excel Macro<br>Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32<br>Total FLASH Used (Bytes):1766<br>Total RAM Used (Bytes):52<br>Total CALS Used (Bytes):2865<br>Special Test Requirements:NA<br>Test Date:9/15/2016<br>Comments:"Note 1: Inline functions declared in Globalmacro.h are not Unit Tested.<br><br>Note 2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.<br><br>Note 3: In Function ""CurrParamComp_Per2"", to cover the ""Limit_m"" condition ""(NomKe_VpRadpS_T_f32) <= (0.01) ==> TRUE"" at SRC line number 419, Variable ""NomKe_VpRadpS_f32"" is given out of range value as '0.01' over the DD range as [0.025, 0.075] in Metrics test vector number '2'.<br>***** |

## 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                   |

# TEST DETAILS REPORT

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CurrParamComp\_Per2



| Attributes          |   |
|---------------------|---|
| Name                | Value   |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                            |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                   |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl          |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4  |
| Timer Enabled       | false   |
| Timer Prescale      | 0   |
| Timer Resolution    | 1   |
| Timer Unit          | Cycles  |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                  |
| Workspace File      | D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |

# TEST DETAILS REPORT

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CurrParamComp\_Per2

## Test Case 1: Metrics Test

|               |   |
|---------------|---|
| Specification | Performance Metrics (With "None" Instrumentation and WithPS Environment)  |
|               | CPU Cycles:<br><br>TS1.1 671.00 Cycles<br>TS1.2 709.00 Cycles   |
| Description   | Vector Description:<br><br>TS1.1"Shortest Execution Path:<br>(NomRmtr_Ohm_T_f32>=D_MAXRRANGE_OHM_F32)=True<br>(NomKe_VpRadpS_T_f32>=D_MAXKERANGE_VPRADPS_F32)=True<br>(CuTempEst_DegC_T_f32>=D_CUTEMPESTHILMT_DEGC_F32)=True<br>(MagTempEst_DegC_T_f32>=D_MAGTEMPESTHILMT_DEGC_F32)=True<br>(SiTempEst_DegC_T_f32>=D_SITEMPESTLOLMT_DEGC_F32)=True"<br>TS1.2"Longest Execution Path:<br>(NomRmtr_Ohm_T_f32>=D_MINRRANGE_OHM_F32)=False<br>(NomKe_VpRadpS_T_f32>=D_MINKERANGE_VPRADPS_F32)=False<br>(CuTempEst_DegC_T_f32>=D_CUTEMPESTLOLMT_DEGC_F32)=False<br>(SiTempEst_DegC_T_f32>=D_SITEMPESTLOLMT_DEGC_F32)=False<br>(MagTempEst_DegC_T_f32>=D_MAGTEMPESTHILMT_DEGC_F32)=False" |

## Test Step 1.1 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000681000005                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00033000001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0710000023                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0280000009                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0260000005                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0430000015                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0130000003                               |                |        |
| k_NomTemp_DegC_f32   | 46.769001                                  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0  |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 300  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 200  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 150  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0710000023                               | 0.0710000023   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0280000009                               | 0.0280000009   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 1.2 (Repeat Count = 1)

| Name   | Input Value                                |
|--|--|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000769099977                             |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000199999995                             |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0350000001                               |
| k_MaxRRngLmt_Ohm_f32   | 0.0309999995                               |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0379999988                               |
| k_MinRRngLmt_Ohm_f32   | 0.0430000015                               |
| k_NomRfet_Ohm_f32  | 0.0199999996                               |
| k_NomTemp_DegC_f32   | 92.0329971                                 |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 19.4440002                                 |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -41.3580017                                |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 81.1650009                                 |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.00999999978                              |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |



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| Name   | Input Value            |                |        |
|--|------------------------|----------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | tgt_Pim_EOLNomMtrParam |                |        |
| Name   | Actual Value           | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32                            | 0.0379999988           | 0.0379999988   | ✓      |
| EstRFF_Ohm_M_f32                                 | 0.0430000015           | 0.0430000015   | ✓      |

| Test Step Call Trace                              |       |   |       |        | ✓ |
|---|-------|---|-------|--------|---|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |   |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |   |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |   |

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*CurrParamComp\_Per2*



### Test Case 2: Boundary Test





|               |  |
|---------------|--|
| Specification | Performance Metrics (With "None" Instrumentation and WithPS Environment) |
|               | CPU Cycles:  |
|               | TS2.1 690.00 Cycles  |
|               | TS2.2 663.00 Cycles  |
|               | TS2.3 690.00 Cycles  |
|               | TS2.4 690.00 Cycles  |
|               | TS2.5 690.00 Cycles  |
|               | TS2.6 700.00 Cycles  |
|               | TS2.7 682.00 Cycles  |
|               | TS2.8 690.00 Cycles  |
|               | TS2.9 700.00 Cycles  |
|               | TS2.10 681.00 Cycles   |
|               | TS2.11 690.00 Cycles   |
|               | TS2.12 700.00 Cycles   |
|               | TS2.13 671.00 Cycles   |
|               | TS2.14 691.00 Cycles   |
|               | TS2.15 682.00 Cycles   |
|               | TS2.16 700.00 Cycles   |
|               | TS2.17 700.00 Cycles   |
|               | TS2.18 690.00 Cycles   |
|               | TS2.19 700.00 Cycles   |
|               | TS2.20 700.00 Cycles   |
|               | TS2.21 671.00 Cycles   |
|               | TS2.22 700.00 Cycles   |
|               | TS2.23 690.00 Cycles   |
|               | TS2.24 681.00 Cycles   |
|               | TS2.25 700.00 Cycles   |
|               | TS2.26 700.00 Cycles   |
|               | TS2.27 690.00 Cycles   |
|               | TS2.28 690.00 Cycles   |
|               | TS2.29 700.00 Cycles   |
|               | TS2.30 671.00 Cycles   |
|               | TS2.31 692.00 Cycles   |
|               | TS2.32 672.00 Cycles   |
|               | TS2.33 701.00 Cycles   |
|               | TS2.34 700.00 Cycles   |
|               | TS2.35 700.00 Cycles   |
|               | TS2.36 701.00 Cycles   |
|               | TS2.37 700.00 Cycles   |
|               | TS2.38 671.00 Cycles   |
|               | TS2.39 700.00 Cycles   |
|               | TS2.40 681.00 Cycles   |
|               | TS2.41 690.00 Cycles   |
|               | TS2.42 699.00 Cycles   |
|               | TS2.43 681.00 Cycles   |
|               | TS2.44 690.00 Cycles   |
|               | TS2.45 709.00 Cycles   |
|               | TS2.46 671.00 Cycles   |
|               | TS2.47 681.00 Cycles   |
|               | TS2.48 699.00 Cycles   |
|               | TS2.49 700.00 Cycles   |
|               | TS2.50 709.00 Cycles   |
|               | TS2.51 671.00 Cycles   |
|               | TS2.52 690.00 Cycles   |
|               | TS2.53 692.00 Cycles   |
|               | TS2.54 681.00 Cycles   |
|               | TS2.55 700.00 Cycles   |

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CurrParamComp\_Per2

## Description

Vector Description:

TS 2.1All min  
TS 2.2All max  
TS 2.3CuTempEst\_DegC\_f32 min  
TS 2.4CuTempEst\_DegC\_f32 max  
TS 2.5CuTempEst\_DegC\_f32 zero  
TS 2.6CuTempEst\_DegC\_f32 neg  
TS 2.7CuTempEst\_DegC\_f32 pos  
TS 2.8MagTempEst\_DegC\_f32 min  
TS 2.9MagTempEst\_DegC\_f32 max  
TS 2.10MagTempEst\_DegC\_f32 zero  
TS 2.11MagTempEst\_DegC\_f32 neg  
TS 2.12MagTempEst\_DegC\_f32 pos  
TS 2.13SiTempEst\_DegC\_f32 min  
TS 2.14SiTempEst\_DegC\_f32 max  
TS 2.15SiTempEst\_DegC\_f32 zero  
TS 2.16SiTempEst\_DegC\_f32 neg  
TS 2.17SiTempEst\_DegC\_f32 pos  
TS 2.18k\_NomTemp\_DegC\_f32 min  
TS 2.19k\_NomTemp\_DegC\_f32 pos  
TS 2.20k\_NomTemp\_DegC\_f32 zero  
TS 2.21k\_NomTemp\_DegC\_f32 neg  
TS 2.22k\_NomTemp\_DegC\_f32 pos  
TS 2.23k\_NomTemp\_DegC\_f32 Default  
TS 2.24k\_MagThrC\_VpRadpSpDegC\_f32 min  
TS 2.25k\_MagThrC\_VpRadpSpDegC\_f32 max  
TS 2.26k\_MagThrC\_VpRadpSpDegC\_f32 zero  
TS 2.27k\_MagThrC\_VpRadpSpDegC\_f32 neg/Default  
TS 2.28k\_MagThrC\_VpRadpSpDegC\_f32 pos  
TS 2.29k\_MinKeRngLmt\_VpRadpS\_f32 min  
TS 2.30k\_MinKeRngLmt\_VpRadpS\_f32 max  
TS 2.31k\_MinKeRngLmt\_VpRadpS\_f32 pos/Default  
TS 2.32k\_MaxKeRngLmt\_VpRadpS\_f32 min  
TS 2.33k\_MaxKeRngLmt\_VpRadpS\_f32 max  
TS 2.34k\_MaxKeRngLmt\_VpRadpS\_f32 pos/Default  
TS 2.35k\_NomRfet\_Ohm\_f32 min  
TS 2.36k\_NomRfet\_Ohm\_f32 max  
TS 2.37k\_NomRfet\_Ohm\_f32 pos/Default  
TS 2.38k\_SiThermCoeff\_OhmpDegC\_f32 min  
TS 2.39k\_SiThermCoeff\_OhmpDegC\_f32 max  
TS 2.40k\_SiThermCoeff\_OhmpDegC\_f32 pos/Default  
TS 2.41k\_CuThermCoeff\_OhmpDegC\_f32 min  
TS 2.42k\_CuThermCoeff\_OhmpDegC\_f32 max  
TS 2.43k\_CuThermCoeff\_OhmpDegC\_f32 pos/Default  
TS 2.44k\_MinRRngLmt\_Ohm\_f32 min  
TS 2.45k\_MinRRngLmt\_Ohm\_f32 max  
TS 2.46k\_MinRRngLmt\_Ohm\_f32 pos/Default  
TS 2.47k\_MaxRRngLmt\_Ohm\_f32 min  
TS 2.48k\_MaxRRngLmt\_Ohm\_f32 max  
TS 2.49k\_MaxRRngLmt\_Ohm\_f32 pos/Default  
TS 2.50Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 min  
TS 2.51Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 max  
TS 2.52Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomKe\_VpRadpS\_f32 pos  
TS 2.53Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 min  
TS 2.54Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 max  
TS 2.55Rte\_Pim\_EOLNomMtrParam.Pim\_EOLNomMtrParam.NomRmtr\_Ohm\_f32 pos

## Test Step 2.1 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0  |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00150000001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0250000004                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00499999989                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0250000004                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.00499999989                              |                |        |
| k_NomRfet_Ohm_f32  | 0  |                |        |
| k_NomTemp_DegC_f32   | -40  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0  |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -50  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -50  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -50  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0250000004                               | 0.0250000004   | ✓      |
| EstRFF_Ohm_M_f32   | 0.00499999989                              | 0.00499999989  | ✓      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.2 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00449999981                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.00150000001                              |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.075000003                                |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.125650004                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.075000003                                |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.125650004                                |                |        |
| k_NomRfet_Ohm_f32  | 0.125650004                                |                |        |
| k_NomTemp_DegC_f32   | 150  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00600000005                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 150  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 150  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 150  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.075000003                                | 0.075000003    | ✔      |
| EstRFF_Ohm_M_f32   | 0.125650004                                | 0.125650004    | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.3 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00211                                    |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000560000015                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0309999995                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00600000005                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0710000023                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.00899999961                              |                |        |
| k_NomRfet_Ohm_f32  | 0.0309999995                               |                |        |
| k_NomTemp_DegC_f32   | -39.9869995                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00300000003                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -50  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -49.3250008                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -49.6800003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0379999988                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0768000036                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0309999995                               | 0.0309999995   | ✓      |
| EstRFF_Ohm_M_f32   | 0.00600000005                              | 0.00600000005  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

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## Test Step 2.4 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00156999996                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000513000006                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0320000015                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00700000022                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0719999969                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.00999999978                              |                |        |
| k_NomRfet_Ohm_f32  | 0.0350000001                               |                |        |
| k_NomTemp_DegC_f32   | -36.2150002                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00200000009                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 150  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -45.3650017                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -46.3250008                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0469999984                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0571999997                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0320000015                               | 0.0320000015   | ✓      |
| EstRFF_Ohm_M_f32   | 0.00700000022                              | 0.00700000022  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.5 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00261799991                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000465999998                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0329999998                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00800000038                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0729999989                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0109999999                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0390000008                               |                |        |
| k_NomTemp_DegC_f32   | -32.4430008                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00100000005                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 0  |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -41.4049988                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -42.9700012                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0579999983                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0681999996                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0329999998                               | 0.0329999998   | ✔      |
| EstRFF_Ohm_M_f32   | 0.00800000038                              | 0.00800000038  | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.6 (Repeat Count = 1)

| Name                        | Input Value                   |
|-----------------------------|-------------------------------|
| Rte_Inst_Ap_CurrParamComp   | tgt_Rte_Inst_Ap_CurrParamComp |
| k_CuThermCoeff_OhmpDegC_f32 | 0.00345199998                 |
| k_MagThrC_VpRadpSpDegC_f32  | -0.000418999989               |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0340000018                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00899999961                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0740000001                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0120000001                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0430000015                               |                |        |
| k_NomTemp_DegC_f32   | -28.6709995                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00499999989                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -10.3249998                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -37.4449997                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -39.6150017                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0729999989                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.074000001                                | 0.074000001    | ✓      |
| EstRFF_Ohm_M_f32   | 0.00899999961                              | 0.00899999961  | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.7 (Repeat Count = 1)                                     |  |  |                | ✓      |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.00078110001                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.00037200001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0350000001                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.00999999978                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0540000014                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0130000003                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0469999984                               |                |        |
| k_NomTemp_DegC_f32   |  | -24.8990002                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.00079999998                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | 123.153999                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | -33.4850006                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -36.2599983                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0750000003                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0350000001                               | 0.0350000001   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.00999999978                              | 0.00999999978  | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.8 (Repeat Count = 1) |                               |
|----------------------------------|-------------------------------|
| Name                             | Input Value                   |
| Rte_Inst_Ap_CurrParamComp        | tgt_Rte_Inst_Ap_CurrParamComp |
| k_CuThermCoeff_OhmpDegC_f32      | 0.000671099988                |
| k_MagThrC_VpRadpSpDegC_f32       | -0.000325000001               |
| k_MaxKeRngLmt_VpRadpS_f32        | 0.03599999985                 |
| k_MaxRRngLmt_Ohm_f32             | 0.0109999999                  |
| k_MinKeRngLmt_VpRadpS_f32        | 0.0549999997                  |
| k_MinRRngLmt_Ohm_f32             | 0.0140000004                  |
| k_NomRfet_Ohm_f32                | 0.050999999                   |
| k_NomTemp_DegC_f32               | -21.1270008                   |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_SiThermCoeff_OhmpDegC_f32  | 0.000609999988                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -20.3260002                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -50  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -32.9049988                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0960000008                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0359999985                               | 0.0359999985   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0109999999                               | 0.0109999999   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.9 (Repeat Count = 1)                                     |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000769099977                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.000277999992                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0370000005                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0120000001                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0560000017                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0149999997                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0549999997                               |                |        |
| k_NomTemp_DegC_f32   |  | -17.3549995                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000709999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -19.3560009                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 150  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -29.5499992                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0299999993                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0560000017                               | 0.0560000017   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0120000001                               | 0.0120000001   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.10 (Repeat Count = 1)                |                               |
|--|-------------------------------|
| Name   | Input Value                   |
| Rte_Inst_Ap_CurrParamComp                        | tgt_Rte_Inst_Ap_CurrParamComp |
| k_CuThermCoeff_OhmpDegC_f32                      | 0.000570999982                |
| k_MagThrC_VpRadpSpDegC_f32                       | -0.000230999998               |
| k_MaxKeRngLmt_VpRadpS_f32                        | 0.0379999988                  |
| k_MaxRRngLmt_Ohm_f32                             | 0.0130000003                  |
| k_MinKeRngLmt_VpRadpS_f32                        | 0.057                         |
| k_MinRRngLmt_Ohm_f32                             | 0.0160000008                  |
| k_NomRfet_Ohm_f32                                | 0.0590000004                  |
| k_NomTemp_DegC_f32                               | -13.5830002                   |
| k_SiThermCoeff_OhmpDegC_f32                      | 0.000579999993                |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value  | -18.3859997                   |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value | 0                             |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value  | -26.1949997                   |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0399999991                  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.125650004                   |



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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0379999988                               | 0.0379999988   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0130000003                               | 0.0130000003   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.11 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.00097709999                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.000184000004                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0390000008                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0140000004                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0579999983                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0170000009                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0630000001                               |                |        |
| k_NomTemp_DegC_f32   |  | -9.81099987                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -17.4160004                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | -33.4850006                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -22.8400002                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0599999987                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.093299998                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0390000008                               | 0.0390000008   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0140000004                               | 0.0140000004   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.12 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000471000007                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.000136999995                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0399999991                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0149999997                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0590000004                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0179999992                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0670000017                               |                |        |
| k_NomTemp_DegC_f32   |  | -6.03900003                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -16.4459991                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 123.32                                     |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -19.4850006                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0590000004                               | 0.0590000004   |        |

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| Name             | Actual Value | Expected Value | Result |
|------------------|--------------|----------------|--------|
| EstRFF_Ohm_M_f32 | 0.0149999997 | 0.0149999997   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.13 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000681000005                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000144999998                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0410000011                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0160000008                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0599999987                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0189999994                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0710000023                               |                |        |
| k_NomTemp_DegC_f32   | -2.26699996                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -15.4759998                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -25.3649998                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -50  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0410000011                               | 0.0410000011   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0160000008                               | 0.0160000008   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.14 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000361999992                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000192000007                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0419999994                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0170000009                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0610000007                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0199999996                               |                |        |
| k_NomRfet_Ohm_f32  | 0.075000003                                |                |        |
| k_NomTemp_DegC_f32   | 1.505                                      |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -14.5059996                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -20.3250008                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 150  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0729999989                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0610000007                               | 0.0610000007   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0170000009                               | 0.0170000009   | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.15 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00211                                    |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000239000001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0430000015                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0179999992                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.061999999                                |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0209999997                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0790000036                               |                |        |
| k_NomTemp_DegC_f32   | 5.27699995                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000939999998                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -13.5360003                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -15.2849998                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 0  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0430000015                               | 0.0430000015   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0179999992                               | 0.0179999992   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.16 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00156999996                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000285999995                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0710000023                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0189999994                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0610000007                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0219999999                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0829999968                               |                |        |
| k_NomTemp_DegC_f32   | 9.04899979                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -12.566                                    |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -10.2449999                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -10.3559999                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0960000008                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0610000007                               | 0.0610000007   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0189999994                               | 0.0189999994   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

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| Test Step 2.17 (Repeat Count = 1)                                    |  |                |        |  |
|--|--|----------------|--------|--|
| Name   | Input Value                                |                |        |  |
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |  |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00261799991                              |                |        |  |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000333000004                             |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0719999969                               |                |        |  |
| k_MaxRRngLmt_Ohm_f32   | 0.0199999996                               |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0619999999                               |                |        |  |
| k_MinRRngLmt_Ohm_f32   | 0.023                                      |                |        |  |
| k_NomRfet_Ohm_f32  | 0.0869999975                               |                |        |  |
| k_NomTemp_DegC_f32   | 12.8210001                                 |                |        |  |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00056700001                              |                |        |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -11.5959997                                |                |        |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -5.20499992                                |                |        |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 123.789001                                 |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0299999993                               |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |  |
| Name   | Actual Value                               | Expected Value | Result |  |
| EstKeFF_VpRadpS_M_f32  | 0.0619999999                               | 0.0619999999   | ✓      |  |
| EstRFF_Ohm_M_f32   | 0.0199999996                               | 0.0199999996   | ✓      |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.18 (Repeat Count = 1)                                    |  |                |        |  |
|--|--|----------------|--------|--|
| Name   | Input Value                                |                |        |  |
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |  |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00345199998                              |                |        |  |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000144999998                             |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0729999989                               |                |        |  |
| k_MaxRRngLmt_Ohm_f32   | 0.00899999961                              |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32  | 0.063000001                                |                |        |  |
| k_MinRRngLmt_Ohm_f32   | 0.0240000002                               |                |        |  |
| k_NomRfet_Ohm_f32  | 0.023                                      |                |        |  |
| k_NomTemp_DegC_f32   | -40  |                |        |  |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00300000003                              |                |        |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -10.6260004                                |                |        |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -0.165000007                               |                |        |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -22.8400002                                |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0399999991                               |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |  |
| Name   | Actual Value                               | Expected Value | Result |  |
| EstKeFF_VpRadpS_M_f32  | 0.063000001                                | 0.063000001    | ✓      |  |
| EstRFF_Ohm_M_f32   | 0.00899999961                              | 0.00899999961  | ✓      |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.19 (Repeat Count = 1) |                               |  |  |  |
|-----------------------------------|-------------------------------|--|--|--|
| Name                              | Input Value                   |  |  |  |
| Rte_Inst_Ap_CurrParamComp         | tgt_Rte_Inst_Ap_CurrParamComp |  |  |  |
| k_CuThermCoeff_OhmpDegC_f32       | 0.00078110001                 |  |  |  |
| k_MagThrC_VpRadpSpDegC_f32        | 0.000192000007                |  |  |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_MaxKeRngLmt_VpRadpS_f32  | 0.074000001                                |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.00999999978                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.064000003                                |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0250000004                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0240000002                               |                |        |
| k_NomTemp_DegC_f32   | 150  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00200000009                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -9.65600014                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 4.875                                      |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -19.4850006                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0599999987                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0932999998                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.064000003                                | 0.064000003    | ✔      |
| EstRFF_Ohm_M_f32   | 0.00999999978                              | 0.00999999978  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.20 (Repeat Count = 1)                                    |  |  |                |    |
|--|--|--|----------------|---|
| Name   |  | Input Value                                |                |   |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |   |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000671099988                             |                |   |
| k_MagThrC_VpRadpSpDegC_f32   |  | 0.000239000001                             |                |   |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0540000014                               |                |   |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0109999999                               |                |   |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0649999976                               |                |   |
| k_MinRRngLmt_Ohm_f32   |  | 0.0260000005                               |                |   |
| k_NomRfet_Ohm_f32  |  | 0.0250000004                               |                |   |
| k_NomTemp_DegC_f32   |  | 0  |                |   |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.00100000005                              |                |   |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -8.68599987                                |                |   |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 9.91499996                                 |                |   |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -16.1299992                                |                |   |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0250000004                               |                |   |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.00499999989                              |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |   |
| Name   |  | Actual Value                               | Expected Value | Result  |
| EstKeFF_VpRadpS_M_f32  |  | 0.0649999976                               | 0.0649999976   |  |
| EstRFF_Ohm_M_f32   |  | 0.0109999999                               | 0.0109999999   |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.21 (Repeat Count = 1) |                               |  |
|-----------------------------------|-------------------------------|--|
| Name                              | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp         | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32       | 0.000769099977                |  |
| k_MagThrC_VpRadpSpDegC_f32        | 0.000285999995                |  |
| k_MaxKeRngLmt_VpRadpS_f32         | 0.0549999997                  |  |
| k_MaxRRngLmt_Ohm_f32              | 0.0120000001                  |  |
| k_MinKeRngLmt_VpRadpS_f32         | 0.0659999996                  |  |
| k_MinRRngLmt_Ohm_f32              | 0.0270000007                  |  |
| k_NomRfet_Ohm_f32                 | 0.0260000005                  |  |
| k_NomTemp_DegC_f32                | -10.3559999                   |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_SiThermCoeff_OhmpDegC_f32  | 0.00499999989                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -7.71600008                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 14.9549999                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -12.7749996                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0549999997                               | 0.0549999997   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0120000001                               | 0.0120000001   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.22 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000570999982                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | 0.000333000004                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0560000017                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0130000003                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0670000017                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0280000009                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0270000007                               |                |        |
| k_NomTemp_DegC_f32   |  | 123.357002                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.00079999998                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -6.74599981                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 19.99500008                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | -9.42000008                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.0729999989                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0670000017                               | 0.0670000017   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0130000003                               | 0.0130000003   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.23 (Repeat Count = 1)                |                               |  |
|--|-------------------------------|--|
| Name   | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp                        | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32                      | 0                             |  |
| k_MagThrC_VpRadpSpDegC_f32                       | -2.99999992e-005              |  |
| k_MaxKeRngLmt_VpRadpS_f32                        | 0.0260000005                  |  |
| k_MaxRRngLmt_Ohm_f32                             | 0.0309999995                  |  |
| k_MinKeRngLmt_VpRadpS_f32                        | 0.0289999992                  |  |
| k_MinRRngLmt_Ohm_f32                             | 0.0460000001                  |  |
| k_NomRfet_Ohm_f32                                | 0.0160000008                  |  |
| k_NomTemp_DegC_f32                               | 25                            |  |
| k_SiThermCoeff_OhmpDegC_f32                      | 0.00300000003                 |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value  | 145.326508                    |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value | 110.714996                    |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value  | 50.9700012                    |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0500000007                  |  |
| tot_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0960000008                  |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0260000005                               | 0.0260000005   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0309999995                               | 0.0309999995   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.24 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00097709999                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00150000001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.057                                      |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0140000004                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0680000037                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0289999992                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0280000009                               |                |        |
| k_NomTemp_DegC_f32   | -6.03900003                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000609999988                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -5.77600002                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 25.0349998                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -6.06500006                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.057                                      | 0.057          | ✔      |
| EstRFF_Ohm_M_f32   | 0.0140000004                               | 0.0140000004   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.25 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000471000007                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.00150000001                              |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0579999983                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0149999997                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0689999983                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0299999993                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0289999992                               |                |        |
| k_NomTemp_DegC_f32   | -2.26699996                                |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000709999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -4.80600023                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 30.0750008                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | -2.71000004                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0960000008                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0689999983                               | 0.0689999983   | ✔      |

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| Name             | Actual Value | Expected Value | Result |
|------------------|--------------|----------------|--------|
| EstRFF_Ohm_M_f32 | 0.0149999997 | 0.0149999997   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.26 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000681000005                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | 0  |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0590000004                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0160000008                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0700000003                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0309999995                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0299999993                               |                |        |
| k_NomTemp_DegC_f32   |  | 1.505                                      |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000579999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -3.83599997                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 35.1150017                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 0.644999981                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0299999993                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0700000003                               | 0.0700000003   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0160000008                               | 0.0160000008   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.27 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000361999992                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.001000000005                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0599999987                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0170000009                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0710000023                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0320000015                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0309999995                               |                |        |
| k_NomTemp_DegC_f32   |  | 5.27699995                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | -2.86599994                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 40.1549988                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 4  |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0399999991                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0710000023                               | 0.0710000023   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0170000009                               | 0.0170000009   | ✓      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.28 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00211                                    |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.0013                                     |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0610000007                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0179999992                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0719999969                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0329999998                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0320000015                               |                |        |
| k_NomTemp_DegC_f32   | 9.04899979                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -1.89600003                                |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 45.1949997                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 7.35500002                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0599999987                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0932999998                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0610000007                               | 0.0610000007   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0179999992                               | 0.0179999992   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.29 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00156999996                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00123000005                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.061999999                                |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0189999994                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0250000004                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0340000018                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0329999998                               |                |        |
| k_NomTemp_DegC_f32   | 12.8210001                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | -0.925999999                               |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 50.2350006                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 10.71                                      |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0250000004                               | 0.0250000004   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0189999994                               | 0.0189999994   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

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| Test Step 2.30 (Repeat Count = 1)                                    |  |                |        |  |
|--|--|----------------|--------|--|
| Name   | Input Value                                |                |        |  |
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |  |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00261799991                              |                |        |  |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00112999999                             |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.063000001                                |                |        |  |
| k_MaxRRngLmt_Ohm_f32   | 0.0199999996                               |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32  | 0.075000003                                |                |        |  |
| k_MinRRngLmt_Ohm_f32   | 0.0350000001                               |                |        |  |
| k_NomRfet_Ohm_f32  | 0.0340000018                               |                |        |  |
| k_NomTemp_DegC_f32   | 16.5930004                                 |                |        |  |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 112.3265                                   |                |        |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 55.2750015                                 |                |        |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 14.0649996                                 |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |  |
| Name   | Actual Value                               | Expected Value | Result |  |
| EstKeFF_VpRadpS_M_f32  | 0.063000001                                | 0.063000001    | ✓      |  |
| EstRFF_Ohm_M_f32   | 0.0199999996                               | 0.0199999996   | ✓      |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.31 (Repeat Count = 1)                                    |  |                |        |  |
|--|--|----------------|--------|--|
| Name   | Input Value                                |                |        |  |
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |  |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00345199998                              |                |        |  |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00103000004                             |                |        |  |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.064000003                                |                |        |  |
| k_MaxRRngLmt_Ohm_f32   | 0.0209999997                               |                |        |  |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0260000005                               |                |        |  |
| k_MinRRngLmt_Ohm_f32   | 0.0359999985                               |                |        |  |
| k_NomRfet_Ohm_f32  | 0.0350000001                               |                |        |  |
| k_NomTemp_DegC_f32   | 20.3649998                                 |                |        |  |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000939999998                             |                |        |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 300  |                |        |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 60.3149986                                 |                |        |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 17.4200001                                 |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0729999989                               |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |  |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |  |
| Name   | Actual Value                               | Expected Value | Result |  |
| EstKeFF_VpRadpS_M_f32  | 0.0260000005                               | 0.0260000005   | ✓      |  |
| EstRFF_Ohm_M_f32   | 0.0209999997                               | 0.0209999997   | ✓      |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.32 (Repeat Count = 1) |                               |  |  |  |
|-----------------------------------|-------------------------------|--|--|--|
| Name                              | Input Value                   |  |  |  |
| Rte_Inst_Ap_CurrParamComp         | tgt_Rte_Inst_Ap_CurrParamComp |  |  |  |
| k_CuThermCoeff_OhmpDegC_f32       | 0.00078110001                 |  |  |  |
| k_MagThrC_VpRadpSpDegC_f32        | -0.00092999998                |  |  |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0250000004                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0219999999                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0280000009                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0370000005                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0359999985                               |                |        |
| k_NomTemp_DegC_f32   | 24.1369991                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 118.3265                                   |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 200  |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 20.7749996                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0250000004                               | 0.0250000004   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0219999999                               | 0.0219999999   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.33 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000671099988                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.000829999975                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.075000003                                |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.023                                      |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0289999992                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0379999988                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0179999992                               |                |        |
| k_NomTemp_DegC_f32   |  | 27.9090004                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.00056700001                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | 121.3265                                   |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 70.3949966                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 24.1299992                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.0960000008                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.048236832                                | 0.048236832    | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.023                                      | 0.023          | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.34 (Repeat Count = 1) |                               |  |
|-----------------------------------|-------------------------------|--|
| Name                              | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp         | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32       | 0.000769099977                |  |
| k_MagThrC_VpRadpSpDegC_f32        | -0.000730000029               |  |
| k_MaxKeRngLmt_VpRadpS_f32         | 0.0599999987                  |  |
| k_MaxRRngLmt_Ohm_f32              | 0.0240000002                  |  |
| k_MinKeRngLmt_VpRadpS_f32         | 0.0299999993                  |  |
| k_MinRRngLmt_Ohm_f32              | 0.0390000008                  |  |
| k_NomRfet_Ohm_f32                 | 0.0189999994                  |  |
| k_NomTemp_DegC_f32                | 31.6809998                    |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_SiThermCoeff_OhmpDegC_f32  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 124.3265                                   |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 75.4349976                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 27.4850006                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.02999999993                              |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.02999999993                              | 0.02999999993  | ✔      |
| EstRFF_Ohm_M_f32   | 0.0240000002                               | 0.0240000002   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.35 (Repeat Count = 1)                                    |  |  |                |    |
|--|--|--|----------------|---|
| Name   |  | Input Value                                |                |   |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |   |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.000361999992                             |                |   |
| k_MagThrC_VpRadpSpDegC_f32   |  | -0.000630000024                            |                |   |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0719999969                               |                |   |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0289999992                               |                |   |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0270000007                               |                |   |
| k_MinRRngLmt_Ohm_f32   |  | 0.0439999998                               |                |   |
| k_NomRfet_Ohm_f32  |  | 0  |                |   |
| k_NomTemp_DegC_f32   |  | 35.4529991                                 |                |   |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.00600000005                              |                |   |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | 127.3265                                   |                |   |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 80.4749985                                 |                |   |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 30.8400002                                 |                |   |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0250000004                               |                |   |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.0729999989                               |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |   |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |   |
| Name   |  | Actual Value                               | Expected Value | Result  |
| EstKeFF_VpRadpS_M_f32  |  | 0.0270000007                               | 0.0270000007   |  |
| EstRFF_Ohm_M_f32   |  | 0.0289999992                               | 0.0289999992   |  |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.36 (Repeat Count = 1)                |                               |  |
|--|-------------------------------|--|
| Name   | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp                        | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32                      | 0.00097709999                 |  |
| k_MagThrC_VpRadpSpDegC_f32                       | -0.000530000019               |  |
| k_MaxKeRngLmt_VpRadpS_f32                        | 0.0689999983                  |  |
| k_MaxRRngLmt_Ohm_f32                             | 0.0260000005                  |  |
| k_MinKeRngLmt_VpRadpS_f32                        | 0.0320000015                  |  |
| k_MinRRngLmt_Ohm_f32                             | 0.0410000011                  |  |
| k_NomRfet_Ohm_f32                                | 0.125650004                   |  |
| k_NomTemp_DegC_f32                               | 39.2249985                    |  |
| k_SiThermCoeff_OhmpDegC_f32                      | 0.000319999992                |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value  | 130.326508                    |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value | 85.5149994                    |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value  | 34.1949997                    |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0599999987                  |  |
| tot_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0932999998                  |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0585279763                               | 0.0585279763   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0260000005                               | 0.0260000005   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.37 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000471000007                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000429999985                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0700000003                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0270000007                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0329999998                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0419999994                               |                |        |
| k_NomRfet_Ohm_f32  | 0.00625000009                              |                |        |
| k_NomTemp_DegC_f32   | 42.9970016                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000579999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 133.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 90.5550003                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 37.5499992                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0329999998                               | 0.0329999998   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0419999994                               | 0.0419999994   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.38 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000681000005                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00033000001                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0710000023                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0280000009                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0260000005                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0430000015                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0130000003                               |                |        |
| k_NomTemp_DegC_f32   | 46.769001                                  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0  |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 136.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 95.5950012                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 40.9049988                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0710000023                               | 0.0710000023   | ✔      |

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| Name             | Actual Value | Expected Value | Result |
|------------------|--------------|----------------|--------|
| EstRFF_Ohm_M_f32 | 0.0280000009 | 0.0280000009   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.39 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000361999992                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000230000005                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0719999969                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0289999992                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0270000007                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0439999998                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0140000004                               |                |        |
| k_NomTemp_DegC_f32   | 50.5410004                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00600000005                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 139.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 100.635002                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 44.2599983                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0729999989                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0270000007                               | 0.0270000007   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0289999992                               | 0.0289999992   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.40 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00261799991                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00013                                   |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0729999989                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0299999993                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0280000009                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0450000018                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0149999997                               |                |        |
| k_NomTemp_DegC_f32   | 54.3129997                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00499999989                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 142.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 105.675003                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 47.6150017                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0729999989                               | 0.0729999989   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0299999993                               | 0.0299999993   | ✓      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.41 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0  |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -2.99999992e-005                           |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0260000005                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0309999995                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0289999992                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0460000001                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0160000008                               |                |        |
| k_NomTemp_DegC_f32   | 58.0849991                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00300000003                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 145.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 110.714996                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 50.9700012                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0960000008                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0260000005                               | 0.0260000005   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0309999995                               | 0.0309999995   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.42 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00449999981                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 7.00000019e-005                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0270000007                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0320000015                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0299999993                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0469999984                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0170000009                               |                |        |
| k_NomTemp_DegC_f32   | 61.8569984                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00200000009                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 148.326508                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 115.754997                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 54.3250008                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0299999993                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0270000007                               | 0.0270000007   | ✓      |
| EstRFF_Ohm_M_f32   | 0.0469999984                               | 0.0469999984   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

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## Test Step 2.43 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00393000012                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.000500000024                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0280000009                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0329999998                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0309999995                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0480000004                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0179999992                               |                |        |
| k_NomTemp_DegC_f32   | 65.6289978                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00100000005                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 12.6540003                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 120.794998                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 57.6800003                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0399999991                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0280000009                               | 0.0280000009   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0329999998                               | 0.0329999998   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.44 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00211                                    |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000500000024                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0289999992                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0340000018                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0320000015                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.00499999989                              |                |        |
| k_NomRfet_Ohm_f32  | 0.0189999994                               |                |        |
| k_NomTemp_DegC_f32   | 69.401001                                  |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00499999989                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 13.6239996                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 125.834999                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 61.0349998                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0599999987                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0932999998                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0289999992                               | 0.0289999992   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0340000018                               | 0.0340000018   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.45 (Repeat Count = 1)

| Name                        | Input Value                   |
|-----------------------------|-------------------------------|
| Rte_Inst_Ap_CurrParamComp   | tgt_Rte_Inst_Ap_CurrParamComp |
| k_CuThermCoeff_OhmpDegC_f32 | 0.00156999996                 |
| k_MagThrC_VpRadpSpDegC_f32  | -0.00039999999                |



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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0299999993                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0350000001                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0329999998                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.125650004                                |                |        |
| k_NomRfet_Ohm_f32  | 0.0199999996                               |                |        |
| k_NomTemp_DegC_f32   | 73.1729965                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00079999998                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 14.5939999                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 130.875                                    |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 64.3899994                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0329999998                               | 0.0329999998   | ✔      |
| EstRFF_Ohm_M_f32   | 0.125650004                                | 0.125650004    | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.46 (Repeat Count = 1)                                    |  |  |                | ✓      |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0.00261799991                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | 0.00039999999                              |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0309999995                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.0359999985                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0340000018                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.00999999978                              |                |        |
| k_NomRfet_Ohm_f32  |  | 0.0209999997                               |                |        |
| k_NomTemp_DegC_f32   |  | 76.9449997                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000609999988                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | 15.5640001                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 135.914993                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 67.7450027                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0750000003                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0309999995                               | 0.0309999995   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0359999985                               | 0.0359999985   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.47 (Repeat Count = 1) |                               |  |
|-----------------------------------|-------------------------------|--|
| Name                              | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp         | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32       | 0.00345199998                 |  |
| k_MagThrC_VpRadpSpDegC_f32        | -0.0003000000014              |  |
| k_MaxKeRngLmt_VpRadpS_f32         | 0.03200000015                 |  |
| k_MaxRRngLmt_Ohm_f32              | 0.00499999989                 |  |
| k_MinKeRngLmt_VpRadpS_f32         | 0.03500000001                 |  |
| k_MinRRngLmt_Ohm_f32              | 0.0309999995                  |  |
| k_NomRfet_Ohm_f32                 | 0.0219999999                  |  |
| k_NomTemp_DegC_f32                | 80.7170029                    |  |

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| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| k_SiThermCoeff_OhmpDegC_f32  | 0.000709999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 16.5340004                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | 140.955002                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 71.0999985                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0729999989                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0320000015                               | 0.0320000015   | ✔      |
| EstRFF_Ohm_M_f32   | 0.00499999989                              | 0.00499999989  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.48 (Repeat Count = 1)                                    |  |  |                |        |
|--|--|--|----------------|--------|
| Name   |  | Input Value                                |                |        |
| Rte_Inst_Ap_CurrParamComp  |  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  |  | 0  |                |        |
| k_MagThrC_VpRadpSpDegC_f32   |  | 0.000300000014                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  |  | 0.0329999998                               |                |        |
| k_MaxRRngLmt_Ohm_f32   |  | 0.125650004                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32  |  | 0.0359999985                               |                |        |
| k_MinRRngLmt_Ohm_f32   |  | 0.0350000001                               |                |        |
| k_NomRfet_Ohm_f32  |  | 0  |                |        |
| k_NomTemp_DegC_f32   |  | 84.4889984                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  |  | 0.000579999993                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      |  | 17.5039997                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     |  | 145.994995                                 |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      |  | 74.4550018                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             |  | 0.0500000007                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               |  | 0.0680000037                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 |  | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  |  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     |  | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   |  | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  |  | 0.0329999998                               | 0.0329999998   | ✓      |
| EstRFF_Ohm_M_f32   |  | 0.0680000037                               | 0.0680000037   | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.49 (Repeat Count = 1)                |                               |  |
|--|-------------------------------|--|
| Name   | Input Value                   |  |
| Rte_Inst_Ap_CurrParamComp                        | tgt_Rte_Inst_Ap_CurrParamComp |  |
| k_CuThermCoeff_OhmpDegC_f32                      | 0.000671099988                |  |
| k_MagThrC_VpRadpSpDegC_f32                       | -0.000199999995               |  |
| k_MaxKeRngLmt_VpRadpS_f32                        | 0.0340000018                  |  |
| k_MaxRRngLmt_Ohm_f32                             | 0.0599999987                  |  |
| k_MinKeRngLmt_VpRadpS_f32                        | 0.0370000005                  |  |
| k_MinRRngLmt_Ohm_f32                             | 0.0390000008                  |  |
| k_NomRfet_Ohm_f32                                | 0.0189999994                  |  |
| k_NomTemp_DegC_f32                               | 88.2610016                    |  |
| k_SiThermCoeff_OhmpDegC_f32                      | 0.000679999997                |  |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value  | 18.4740009                    |  |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value | -49.3250008                   |  |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value  | 77.8099976                    |  |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0299999993                  |  |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0960000008                  |  |

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CurrParamComp\_Per2

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0370000005                               | 0.0370000005   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0599999987                               | 0.0599999987   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.50 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000769099977                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000199999995                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0350000001                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0309999995                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0379999988                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0430000015                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0199999996                               |                |        |
| k_NomTemp_DegC_f32   | 92.0329971                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 19.4440002                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -41.3580017                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 81.1650009                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0250000004                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0379999988                               | 0.0379999988   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0430000015                               | 0.0430000015   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.51 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000570999982                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.001000000005                            |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0359999985                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0350000001                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0390000008                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0469999984                               |                |        |
| k_NomRfet_Ohm_f32  | 0.00899999961                              |                |        |
| k_NomTemp_DegC_f32   | 95.8050003                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000679999997                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 20.4139996                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -33.3909988                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 84.5199966                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0359999985                               | 0.0359999985   | ✔      |

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CurrParamComp\_Per2

| Name             | Actual Value | Expected Value | Result |
|------------------|--------------|----------------|--------|
| EstRFF_Ohm_M_f32 | 0.0350000001 | 0.0350000001   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.52 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.00097709999                              |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.00100000005                              |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0370000005                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0390000008                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0399999991                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.050999999                                |                |        |
| k_NomRfet_Ohm_f32  | 0.00999999978                              |                |        |
| k_NomTemp_DegC_f32   | 99.5770035                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 21.3840008                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -25.4239998                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 87.875                                     |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.0560000017                               |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0932999998                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0370000005                               | 0.0370000005   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0390000008                               | 0.0390000008   | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.53 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000471000007                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | -0.00120000006                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.0379999988                               |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.0430000015                               |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0410000011                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.0549999997                               |                |        |
| k_NomRfet_Ohm_f32  | 0.0109999999                               |                |        |
| k_NomTemp_DegC_f32   | 103.348999                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000939999998                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 22.3540001                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -17.4570007                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 91.2300034                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.075000003                                |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.00499999989                              |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0379999988                               | 0.0379999988   | ✔      |
| EstRFF_Ohm_M_f32   | 0.0549999997                               | 0.0549999997   | ✔      |

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CurrParamComp\_Per2

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.54 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000681000005                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.00120000006                              |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.03900000008                              |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.04699999984                              |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.04199999994                              |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.05900000004                              |                |        |
| k_NomRfet_Ohm_f32  | 0.01200000001                              |                |        |
| k_NomTemp_DegC_f32   | 107.121002                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.000360000005                             |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 23.3239994                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -9.48999977                                |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 94.5849991                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.05000000007                              |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.125650004                                |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.03900000008                              | 0.03900000008  | ✔      |
| EstRFF_Ohm_M_f32   | 0.04699999984                              | 0.04699999984  | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.55 (Repeat Count = 1)

| Name   | Input Value                                |                |        |
|--|--|----------------|--------|
| Rte_Inst_Ap_CurrParamComp  | tgt_Rte_Inst_Ap_CurrParamComp              |                |        |
| k_CuThermCoeff_OhmpDegC_f32  | 0.000361999992                             |                |        |
| k_MagThrC_VpRadpSpDegC_f32   | 0.000500000024                             |                |        |
| k_MaxKeRngLmt_VpRadpS_f32  | 0.03999999991                              |                |        |
| k_MaxRRngLmt_Ohm_f32   | 0.050999999                                |                |        |
| k_MinKeRngLmt_VpRadpS_f32  | 0.0430000015                               |                |        |
| k_MinRRngLmt_Ohm_f32   | 0.063000001                                |                |        |
| k_NomRfet_Ohm_f32  | 0.00999999978                              |                |        |
| k_NomTemp_DegC_f32   | 110.892998                                 |                |        |
| k_SiThermCoeff_OhmpDegC_f32  | 0.00056700001                              |                |        |
| tgt_CurrParamComp_Per2_CuTempEst_DegC_f32.value                      | 24.2940006                                 |                |        |
| tgt_CurrParamComp_Per2_MagTempEst_DegC_f32.value                     | -1.523                                     |                |        |
| tgt_CurrParamComp_Per2_SiTempEst_DegC_f32.value                      | 97.9400024                                 |                |        |
| tgt_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32                             | 0.02999999993                              |                |        |
| tgt_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32                               | 0.0781999975                               |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_CuTempEst_DegC_f32  | tgt_CurrParamComp_Per2_CuTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_MagTempEst_DegC_f32 | tgt_CurrParamComp_Per2_MagTempEst_DegC_f32 |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per2_SiTempEst_DegC_f32  | tgt_CurrParamComp_Per2_SiTempEst_DegC_f32  |                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam                     | tgt_Pim_EOLNomMtrParam                     |                |        |
| Name   | Actual Value                               | Expected Value | Result |
| EstKeFF_VpRadpS_M_f32  | 0.0430000015                               | 0.0430000015   | ✓      |
| EstRFF_Ohm_M_f32   | 0.050999999                                | 0.050999999    | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP0_CheckpointReached | 1     | ✓      |
| Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per2_CP1_CheckpointReached | 1     | ✓      |



# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Set



|             |                         |
|-------------|-------------------------|
| Project     | MtrCtrl_CM_SF99B        |
| Module      | CurrParamComp           |
| Test Object | SCom_EOLNomMtrParam_Set |

## Instrumentation: Test Object Only

|                         |       |
|-------------------------|-------|
| Statement (C0) Coverage | 100 % |
| Branch (C1) Coverage    | 100 % |

## Statistics

|                 |   |
|-----------------|---|
| Total Testcases | 1 |
| Successful      | 1 |
| Failed          | 0 |
| Not Executed    | 0 |

## Module Properties

|                        |  |
|------------------------|--|
| Project Root Directory | D:\Synergy_Work_Area\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)\NxtrLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\MtrCtrl_CM\src\Ap_CurrParamComp.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |

## Comments/Description/Specification

| Name                   | Text   |
|------------------------|--|
| Module 'CurrParamComp' | *****Unit Test Information*****<br><br>Name of Tester:Komal Sharma<br>Code File(s) Under Test:Ap_CurrParamComp.c<br>Code File(s) Version:12<br>Module Design Document:CurrParamComp_MDD.docx<br>Module Design Document Version:7<br>Data Dictionary Version:15<br>Unit Test Plan Version:5<br>Optimization Level:Level 2<br>Compiler (CodeGen) Version:TMS470_4.9.5<br>Model Type:Excel Macro<br>Model Version:Nexteer EPS Unit Test Tool 2.7/EPS Library 1.32<br>Total FLASH Used (Bytes):1766<br>Total RAM Used (Bytes):52<br>Total CALS Used (Bytes):2865<br>Special Test Requirements:NA<br>Test Date:9/15/2016<br>Comments:"Note 1: Inline functions declared in Globalmacro.h are not Unit Tested.<br><br>Note 2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.<br><br>Note 3: In Function ""CurrParamComp_Per2"", to cover the ""Limit_m"" condition ""(NomKe_VpRadpS_T_f32) <= (0.01)) ==> TRUE"" at SRC line number 419, Variable ""NomKe_VpRadpS_f32"" is given out of range value as '0.01' over the DD range as [0.025, 0.075] in Metrics test vector number '2'.<br>***** |

## Attributes

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

# TEST DETAILS REPORT

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SCom\_EOLNomMtrParam\_Set



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



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## Test Case 1: Boundary Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 251.00 Cycles  
TS1.2 252.00 Cycles  
TS1.3 252.00 Cycles  
TS1.4 252.00 Cycles  
TS1.5 252.00 Cycles  
TS1.6 252.00 Cycles  
TS1.7 252.00 Cycles  
TS1.8 252.00 Cycles

**Description** Vector Description

TS1.1 NomKe\_VpRadpS\_f32 min  
TS1.2 NomKe\_VpRadpS\_f32 max  
TS1.3 NomKe\_VpRadpS\_f32 pos  
TS1.4 NomRmtr\_Ohm\_f32 min  
TS1.5 NomRmtr\_Ohm\_f32 max  
TS1.6 NomRmtr\_Ohm\_f32 pos  
TS1.7 All min  
TS1.8 All max

### Test Step 1.1 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | 0.0250000004                     |                |        |
| NomRmtr_Ohm_f32                                     | 0.0729999989                     |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0250000004                     | 0.0250000004   | ✔      |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0729999989                     | 0.0729999989   | ✔      |

### Test Step Call Trace

| Actual Function  | Count | Expected Function                                      | Count | Result |
|--|-------|--|-------|--------|
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

### Test Step 1.2 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | 0.075000003                      |                |        |
| NomRmtr_Ohm_f32                                     | 0.0680000037                     |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.075000003                      | 0.075000003    | ✓      |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0680000037                     | 0.0680000037   | ✓      |

### Test Step Call Trace

| Actual Function  | Count | Expected Function                                      | Count | Result |
|--|-------|--|-------|--------|
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

### Test Step 1.3 (Repeat Count = 1)

| Name  | Input Value                      |                |        |
|---|----------------------------------|----------------|--------|
| NomKe_VpRadpS_f32                                   | 0.0500000007                     |                |        |
| NomRmtr_Ohm_f32                                     | 0.0960000008                     |                |        |
| Rte_Inst_Ap_CurrParamComp                           | target_Rte_Inst_Ap_CurrParamComp |                |        |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam | target_Pim_EOLNomMtrParam        |                |        |
| Name  | Actual Value                     | Expected Value | Result |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0500000007                     | 0.0500000007   | ✓      |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0960000008                     | 0.0960000008   | ✓      |

### Test Step Call Trace

| Actual Function  | Count | Expected Function                                      | Count | Result |
|--|-------|--|-------|--------|
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

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| Test Step 1.4 (Repeat Count = 1)                    |               |                                  |        |  |
|---|---------------|----------------------------------|--------|--|
| Name  |               | Input Value                      |        |  |
| NomKe_VpRadpS_f32                                   |               | 0.0299999993                     |        |  |
| NomRmtr_Ohm_f32                                     |               | 0.00499999989                    |        |  |
| Rte_Inst_Ap_CurrParamComp                           |               | target_Rte_Inst_Ap_CurrParamComp |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam |               | target_Pim_EOLNomMtrParam        |        |  |
| Name  | Actual Value  | Expected Value                   | Result |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0299999993  | 0.0299999993                     | ✓      |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.00499999989 | 0.00499999989                    | ✓      |  |

| Test Step Call Trace                                   |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function  | Count | Expected Function                                      | Count | Result |
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

| Test Step 1.5 (Repeat Count = 1)                    |              |                                  |        |  |
|---|--------------|----------------------------------|--------|--|
| Name  |              | Input Value                      |        |  |
| NomKe_VpRadpS_f32                                   |              | 0.0399999991                     |        |  |
| NomRmtr_Ohm_f32                                     |              | 0.125650004                      |        |  |
| Rte_Inst_Ap_CurrParamComp                           |              | target_Rte_Inst_Ap_CurrParamComp |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam |              | target_Pim_EOLNomMtrParam        |        |  |
| Name  | Actual Value | Expected Value                   | Result |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0399999991 | 0.0399999991                     | ✓      |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.125650004  | 0.125650004                      | ✓      |  |

| Test Step Call Trace                                   |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function  | Count | Expected Function                                      | Count | Result |
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

| Test Step 1.6 (Repeat Count = 1)                    |              |                                  |        |  |
|---|--------------|----------------------------------|--------|--|
| Name  |              | Input Value                      |        |  |
| NomKe_VpRadpS_f32                                   |              | 0.0599999987                     |        |  |
| NomRmtr_Ohm_f32                                     |              | 0.0932999998                     |        |  |
| Rte_Inst_Ap_CurrParamComp                           |              | target_Rte_Inst_Ap_CurrParamComp |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam |              | target_Pim_EOLNomMtrParam        |        |  |
| Name  | Actual Value | Expected Value                   | Result |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0599999987 | 0.0599999987                     | ✓      |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.0932999998 | 0.0932999998                     | ✓      |  |

| Test Step Call Trace                                   |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function  | Count | Expected Function                                      | Count | Result |
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

| Test Step 1.7 (Repeat Count = 1)                    |               |                                  |        |  |
|---|---------------|----------------------------------|--------|--|
| Name  |               | Input Value                      |        |  |
| NomKe_VpRadpS_f32                                   |               | 0.0250000004                     |        |  |
| NomRmtr_Ohm_f32                                     |               | 0.00499999989                    |        |  |
| Rte_Inst_Ap_CurrParamComp                           |               | target_Rte_Inst_Ap_CurrParamComp |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam |               | target_Pim_EOLNomMtrParam        |        |  |
| Name  | Actual Value  | Expected Value                   | Result |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.0250000004  | 0.0250000004                     | ✓      |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.00499999989 | 0.00499999989                    | ✓      |  |

| Test Step Call Trace                                   |       |  |       |        |
|--|-------|--|-------|--------|
| Actual Function  | Count | Expected Function                                      | Count | Result |
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |

| Test Step 1.8 (Repeat Count = 1) |  |             |  |  |
|----------------------------------|--|-------------|--|--|
| Name                             |  | Input Value |  |  |
| NomKe_VpRadpS_f32                |  | 0.075000003 |  |  |

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| Name  |              | Input Value                      |        |  |
|---|--------------|----------------------------------|--------|--|
| NomRmtr_Ohm_f32                                     |              | 0.125650004                      |        |  |
| Rte_Inst_Ap_CurrParamComp                           |              | target_Rte_Inst_Ap_CurrParamComp |        |  |
| target_Rte_Inst_Ap_CurrParamComp.Pim_EOLNomMtrParam |              | target_Pim_EOLNomMtrParam        |        |  |
| Name  | Actual Value | Expected Value                   | Result |  |
| target_Pim_EOLNomMtrParam.NomKe_VpRadpS_f32         | 0.075000003  | 0.075000003                      | ✓      |  |
| target_Pim_EOLNomMtrParam.NomRmtr_Ohm_f32           | 0.125650004  | 0.125650004                      | ✓      |  |

| Test Step Call Trace                                   |       |  |       |        | ✓ |
|--|-------|--|-------|--------|---|
| Actual Function  | Count | Expected Function                                      | Count | Result |   |
| Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | Rte_Call_Ap_CurrParamComp_EOLNomMtrParamBlk_WriteBlock | 1     | ✓      |   |

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CurrParamComp\_Per1



|             |                    |
|-------------|--------------------|
| Project     | MtrCtrl_CM_SF99B   |
| Module      | CurrParamComp      |
| Test Object | CurrParamComp_Per1 |

## Instrumentation: Test Object Only

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

## Statistics

|                 |     |
|-----------------|-----|
| Total Testcases | 2   |
| Successful      | 2 ✓ |
| Failed          | 0   |
| Not Executed    | 0   |

## Module Properties

|                        |   |
|------------------------|---|
| Project Root Directory | D:\Synergy_Work_Area\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)\NxtLib\src\interpolation.c  |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |
| File                   | \$(PROJECTROOT)\MtrCtrl_CM\src\Ap_CurrParamComp.c   |
| Compiler Options       | -D_DATA_ACCESS=-D__inline=-Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\MtrCtrl_CM\utpl\contract\Ap_CurrParamComp -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(Compiler Install Path)\include |

## Comments/Description/Specification

| Name                   | Text  |
|------------------------|---|
| Module 'CurrParamComp' | *****Unit Test Information*****<br><br>Name of Tester:Komal Sharma<br>Code File(s) Under Test:Ap_CurrParamComp.c<br>Code File(s) Version:12<br>Module Design Document:CurrParamComp_MDD.docx<br>Module Design Document Version:7<br>Data Dictionary Version:15<br>Unit Test Plan Version:5<br>Optimization Level:Level 2<br>Compiler (CodeGen) Version:TMS470_4.9.5<br>Model Type:Excel Macro<br>Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32<br>Total FLASH Used (Bytes):1766<br>Total RAM Used (Bytes):52<br>Total CALS Used (Bytes):2865<br>Special Test Requirements:NA<br>Test Date:9/15/2016<br>Comments:"Note 1: Inline functions declared in Globalmacro.h are not Unit Tested.<br><br>Note 2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.<br><br>Note 3: In Function ""CurrParamComp_Per2"" , to cover the ""Limit_m"" condition ""(NomKe_VpRadpS_T_f32) <= (0.01) ==> TRUE"" at SRC line number 419, Variable ""NomKe_VpRadpS_f32"" is given out of range value as '0.01' over the DD range as [0.025, 0.075] in Metrics test vector number '2'.<br>***** |

## 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                   |

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CurrParamComp\_Per1



| Attributes          |   |
|---------------------|---|
| Name                | Value   |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                            |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                   |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl          |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4  |
| Timer Enabled       | false   |
| Timer Prescale      | 0   |
| Timer Resolution    | 1   |
| Timer Unit          | Cycles  |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                  |
| Workspace File      | D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |

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CurrParamComp\_Per1

## Test Case 1: Metrics Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 1819.00 Cycles  
TS1.2 2109.00 Cycles

**Description** Vector Description:

TS1.1 "Shortest Execution Path:  
(EstKe\_VpRadpS\_T\_f32>=k\_MaxKeRngLmt\_VpRadpS\_f32)=True  
(EstR\_Ohm\_T\_f32>=k\_MaxRRngLmt\_Ohm\_f32)=True  
(EstLq\_Henry\_T\_f32>=k\_MaxLqRngLmt\_Henry\_f32)=True"  
TS1.2 "Longest Execution Path:  
(EstKe\_VpRadpS\_T\_f32>=k\_MaxKeRngLmt\_VpRadpS\_f32)=False  
(EstR\_Ohm\_T\_f32>=k\_MinRRngLmt\_Ohm\_f32)=False  
(EstLq\_Henry\_T\_f32>=k\_MaxLqRngLmt\_Henry\_f32)=False"

## Test Step 1.1 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.075000003                   |
| EstRFF_Ohm_M_f32                        | 0.125650004                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.075000003                   |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.075000003                   |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_MinKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MinLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_NomLd_Henry_f32                       | 0.000410000008                |
| k_NomLq_Henry_f32                       | 0.000410000008                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][2] | 32768                         |

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CurrParamComp\_Per1

| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 31130       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 28160       |
| t_KeSatTblX_Amp_u9p7[0]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[1]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[2]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[3]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[4]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[5]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[6]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[7]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[8]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[9]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[10]                | 28160       |
| t_KeSatTblX_Amp_u9p7[11]                | 28160       |
| t_KeSatTblX_Amp_u9p7[12]                | 28160       |
| t_KeSatTblX_Amp_u9p7[13]                | 28160       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[14]   | 28160  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 28160  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 32768  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 220  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 220  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.075000003                                  | 0.075000003                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000410000008                               | 0.000410000008 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000410000008                               | 0.000410000008 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.125650004                                  | 0.125650004                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 1.2 (Repeat Count = 1)        |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0670000017                  |
| EstRFF_Ohm_M_f32                        | 0.0956560001                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0299999993                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000190000006                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000310000003                |
| k_MaxRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0329999998                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000349999988                |
| k_MinLqRngLmt_Henry_f32                 | 0.000380000012                |
| k_MinRRngLmt_Ohm_f32                    | 0.0350000001                  |
| k_NomLd_Henry_f32                       | 0.000319999992                |
| k_NomLq_Henry_f32                       | 0.000169999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][5] | 21299       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSclFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 5734   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 7373   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 10650  |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 12288  |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 13926  |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 14082  |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 9011   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 14254  |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 819  |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 14285  |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 14439  |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 14606  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 16244  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 19.3547993                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 16.368                                       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0329999998                                 | 0.0329999998                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0329999998                                 | 0.0329999998                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000349999988                               | 0.000349999988 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000380000012                               | 0.000380000012 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0956560001                                 | 0.0956560001                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

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## Test Case 2: Boundary Test





|               |  |
|---------------|--|
| Specification | Performance Metrics (With "None" Instrumentation and WithPS Environment) |
|               | CPU Cycles:  |
|               | TS2.1 2051.00 Cycles   |
|               | TS2.2 1819.00 Cycles   |
|               | TS2.3 1907.00 Cycles   |
|               | TS2.4 1907.00 Cycles   |
|               | TS2.5 1860.00 Cycles   |
|               | TS2.6 2030.00 Cycles   |
|               | TS2.7 2018.00 Cycles   |
|               | TS2.8 1883.00 Cycles   |
|               | TS2.9 1950.00 Cycles   |
|               | TS2.10 1931.00 Cycles  |
|               | TS2.11 1953.00 Cycles  |
|               | TS2.12 1953.00 Cycles  |
|               | TS2.13 1909.00 Cycles  |
|               | TS2.14 1858.00 Cycles  |
|               | TS2.15 1922.00 Cycles  |
|               | TS2.16 1952.00 Cycles  |
|               | TS2.17 1943.00 Cycles  |
|               | TS2.18 1970.00 Cycles  |
|               | TS2.19 2101.00 Cycles  |
|               | TS2.20 1964.00 Cycles  |
|               | TS2.21 1873.00 Cycles  |
|               | TS2.22 1993.00 Cycles  |
|               | TS2.23 1967.00 Cycles  |
|               | TS2.24 1942.00 Cycles  |
|               | TS2.25 1939.00 Cycles  |
|               | TS2.26 1939.00 Cycles  |
|               | TS2.27 2018.00 Cycles  |
|               | TS2.28 2028.00 Cycles  |
|               | TS2.29 1929.00 Cycles  |
|               | TS2.30 1950.00 Cycles  |
|               | TS2.31 1952.00 Cycles  |
|               | TS2.32 2039.00 Cycles  |
|               | TS2.33 1980.00 Cycles  |
|               | TS2.34 1979.00 Cycles  |
|               | TS2.35 2068.00 Cycles  |
|               | TS2.36 1991.00 Cycles  |
|               | TS2.37 1979.00 Cycles  |
|               | TS2.38 1979.00 Cycles  |
|               | TS2.39 2053.00 Cycles  |
|               | TS2.40 2052.00 Cycles  |
|               | TS2.41 2056.00 Cycles  |
|               | TS2.42 1957.00 Cycles  |
|               | TS2.43 2042.00 Cycles  |
|               | TS2.44 2069.00 Cycles  |
|               | TS2.45 1948.00 Cycles  |
|               | TS2.46 1957.00 Cycles  |
|               | TS2.47 1963.00 Cycles  |
|               | TS2.48 1998.00 Cycles  |
|               | TS2.49 1974.00 Cycles  |
|               | TS2.50 1939.00 Cycles  |
|               | TS2.51 1992.00 Cycles  |
|               | TS2.52 1981.00 Cycles  |
|               | TS2.53 1949.00 Cycles  |
|               | TS2.54 2047.00 Cycles  |
|               | TS2.55 2109.00 Cycles  |
|               | TS2.56 2062.00 Cycles  |
|               | TS2.57 1955.00 Cycles  |
|               | TS2.58 1955.00 Cycles  |
|               | TS2.59 2109.00 Cycles  |
|               | TS2.60 1909.00 Cycles  |
|               | TS2.61 1911.00 Cycles  |
|               | TS2.62 1921.00 Cycles  |

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| Description                                 | Vector Description: |
|---|---------------------|
| TS2.1All min                                |                     |
| TS2.2All max                                |                     |
| TS2.3MtrCurrQaxRef_Amp_f32 min              |                     |
| TS2.4MtrCurrQaxRef_Amp_f32 max              |                     |
| TS2.5MtrCurrQaxRef_Amp_f32 zero             |                     |
| TS2.6MtrCurrQaxRef_Amp_f32 pos              |                     |
| TS2.7MtrCurrQaxRef_Amp_f32 neg              |                     |
| TS2.8MtrCurrDaxRef_Amp_f32 min              |                     |
| TS2.9MtrCurrDaxRef_Amp_f32 max              |                     |
| TS2.10MtrCurrDaxRef_Amp_f32 zero            |                     |
| TS2.11MtrCurrDaxRef_Amp_f32 pos             |                     |
| TS2.12MtrCurrDaxRef_Amp_f32 neg             |                     |
| TS2.13t_KeSatTblX_Amp_u9p7[16] min          |                     |
| TS2.14t_KeSatTblX_Amp_u9p7[16] max          |                     |
| TS2.15t_KeSatTblX_Amp_u9p7[16] pos          |                     |
| TS2.16t_KeSatTblY_Uls_u2p14[16] min         |                     |
| TS2.17t_KeSatTblY_Uls_u2p14[16] max         |                     |
| TS2.18t_KeSatTblY_Uls_u2p14[16] pos         |                     |
| TS2.19t_CurrParamCompDaxRef_Amp_u9p7[6] min |                     |
| TS2.20t_CurrParamCompDaxRef_Amp_u9p7[6] max |                     |
| TS2.21t_CurrParamCompDaxRef_Amp_u9p7[6] pos |                     |
| TS2.22t_CurrParamCompQaxRef_Amp_u9p7[7] min |                     |
| TS2.23t_CurrParamCompQaxRef_Amp_u9p7[7] max |                     |
| TS2.24t_CurrParamCompQaxRef_Amp_u9p7[7] pos |                     |
| TS2.25EstKeFF_VpRadpS_M_f32 min             |                     |
| TS2.26EstKeFF_VpRadpS_M_f32 max             |                     |
| TS2.27EstKeFF_VpRadpS_M_f32 pos             |                     |
| TS2.28EstRFF_Ohm_M_f32 min                  |                     |
| TS2.29EstRFF_Ohm_M_f32 max                  |                     |
| TS2.30EstRFF_Ohm_M_f32 pos                  |                     |
| TS2.31k_NomLq_Henry_f32 min                 |                     |
| TS2.32k_NomLq_Henry_f32 max                 |                     |
| TS2.33k_NomLq_Henry_f32 pos/Default         |                     |
| TS2.34k_NomLd_Henry_f32 min                 |                     |
| TS2.35k_NomLd_Henry_f32 max                 |                     |
| TS2.36k_NomLd_Henry_f32 pos/Default         |                     |
| TS2.37k_MinKeRngLmt_VpRadpS_f32 min         |                     |
| TS2.38k_MinKeRngLmt_VpRadpS_f32 max         |                     |
| TS2.39k_MinKeRngLmt_VpRadpS_f32 pos/Default |                     |
| TS2.40k_MaxKeRngLmt_VpRadpS_f32 min         |                     |
| TS2.41k_MaxKeRngLmt_VpRadpS_f32 max         |                     |
| TS2.42k_MaxKeRngLmt_VpRadpS_f32 pos/Default |                     |
| TS2.43k_MinRRngLmt_Ohm_f32 min              |                     |
| TS2.44k_MinRRngLmt_Ohm_f32 max              |                     |
| TS2.45k_MinRRngLmt_Ohm_f32 pos/Default      |                     |
| TS2.46k_MaxRRngLmt_Ohm_f32 min              |                     |
| TS2.47k_MaxRRngLmt_Ohm_f32 max              |                     |
| TS2.48k_MaxRRngLmt_Ohm_f32 pos/Default      |                     |
| TS2.49k_MinLqRngLmt_Henry_f32 min           |                     |
| TS2.50k_MinLqRngLmt_Henry_f32 max           |                     |
| TS2.51k_MinLqRngLmt_Henry_f32 pos/Default   |                     |
| TS2.52k_MaxLqRngLmt_Henry_f32 min           |                     |
| TS2.53k_MaxLqRngLmt_Henry_f32 max           |                     |
| TS2.54k_MaxLqRngLmt_Henry_f32 pos/Default   |                     |
| TS2.55k_MinLdRngLmt_Henry_f32 min           |                     |
| TS2.56k_MinLdRngLmt_Henry_f32 max           |                     |
| TS2.57k_MinLdRngLmt_Henry_f32 pos/Default   |                     |
| TS2.58k_MaxLdRngLmt_Henry_f32 min           |                     |
| TS2.59k_MaxLdRngLmt_Henry_f32 max           |                     |
| TS2.60k_MaxLdRngLmt_Henry_f32 pos/Default   |                     |
| TS2.61FastDataAccessBuIndex_Cnt_M_u16 min   |                     |
| TS2.62FastDataAccessBuIndex_Cnt_M_u16 max   |                     |

| Test Step 2.1 (Repeat Count = 1)        |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0250000004                  |
| EstRFF_Ohm_M_f32                        | 0.00499999989                 |
| FastDataAccessBuIndex_Cnt_M_u16         | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0250000004                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0250000004                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0250000004                  |
| k_MaxLdRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.00499999989                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0250000004                  |
| k_MinLdRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MinLqRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.00499999989                 |
| k_NomLd_Henry_f32                       | 2.99999992e-005               |
| k_NomLq_Henry_f32                       | 2.99999992e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 0                             |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 0                             |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 0                             |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 0                             |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 0                             |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 0           |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 0           |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 0           |

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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                                | 0  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 0  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 0  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 0  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 0  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 0  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 0  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[0]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[1]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[2]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[3]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[4]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[5]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[6]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[7]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[8]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[9]  | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[10]   | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[11]   | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[12]   | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[13]   | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[14]   | 0  |                                |        |
| t_KeSatTblX_Amp_u9p7[15]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[0]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[1]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[2]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[3]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[4]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[5]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[6]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[7]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[8]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[9]   | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[10]  | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[11]  | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[12]  | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[13]  | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[14]  | 0  |                                |        |
| t_KeSatTblY_Uls_u2p14[15]  | 0  |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -220   |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -220   |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                              | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0250000004                                 | 0.0250000004                   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0250000004                                 | 0.0250000004                   | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0250000004                                 | 0.0250000004                   | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 2.99999992e-005                              | 2.99999992e-005 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 2.99999992e-005                              | 2.99999992e-005 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00499999989                                | 0.00499999989                  | ✓      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.2 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.075000003                   |
| EstRFF_Ohm_M_f32                        | 0.125650004                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.075000003                   |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.075000003                   |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_MinKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MinLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_NomLd_Henry_f32                       | 0.000410000008                |
| k_NomLq_Henry_f32                       | 0.000410000008                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][0] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][1] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][2] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][3] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][4] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][5] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][6] | 32768                         |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][0] | 32768                         |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][1] | 32768                         |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][2] | 32768                         |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 31130       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 28160       |
| t_KeSatTblX_Amp_u9p7[0]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[1]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[2]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[3]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[4]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[5]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[6]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[7]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[8]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[9]                 | 28160       |
| t_KeSatTblX_Amp_u9p7[10]                | 28160       |
| t_KeSatTblX_Amp_u9p7[11]                | 28160       |
| t_KeSatTblX_Amp_u9p7[12]                | 28160       |
| t_KeSatTblX_Amp_u9p7[13]                | 28160       |
| t_KeSatTblX_Amp_u9p7[14]                | 28160       |
| t_KeSatTblX_Amp_u9p7[15]                | 28160       |
| t_KeSatTblY_Uls_u2p14[0]                | 32768       |
| t_KeSatTblY_Uls_u2p14[1]                | 32768       |
| t_KeSatTblY_Uls_u2p14[2]                | 32768       |
| t_KeSatTblY_Uls_u2p14[3]                | 32768       |
| t_KeSatTblY_Uls_u2p14[4]                | 32768       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 32768  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 220  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 220  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.075000003                                  | 0.075000003                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000410000008                               | 0.000410000008 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000410000008                               | 0.000410000008 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.125650004                                  | 0.125650004                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.3 (Repeat Count = 1)        |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0260000005                  |
| EstRFF_Ohm_M_f32                        | 0.00634500012                 |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0309999995                  |
| k_MaxLdRngLmt_Henry_f32                 | 5.99999985e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 3.9999999e-005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0060000005                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0710000023                  |
| k_MinLdRngLmt_Henry_f32                 | 3.9999999e-005                |
| k_MinLqRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.00899999961                 |
| k_NomLd_Henry_f32                       | 3.9999999e-005                |
| k_NomLq_Henry_f32                       | 9.99999975e-005               |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 8960   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 10240  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 11520  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 12800  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 14080  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 15360  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 13271  |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 13984  |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 14336  |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 14549  |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 14623  |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 14982  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 16356  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 10.3260002                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -220   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0260000005                                 | 0.0260000005                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 3.9999999e-005                               | 3.9999999e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 3.9999999e-005                               | 3.9999999e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00600000005                                | 0.00600000005                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.4 (Repeat Count = 1) |               |
|----------------------------------|---------------|
| Name                             | Input Value   |
| EstKeFF_VpRadpS_M_f32            | 0.0270000007  |
| EstRFF_Ohm_M_f32                 | 0.00733199995 |
| FastDataAccessBufIndex_Cnt_M_u16 | 0             |
| MtrEstKe_VpRadpS_M_f32[0]        | 0.0280000009  |
| MtrEstKe_VpRadpS_M_f32[1]        | 0.0289999992  |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0320000015                  |
| k_MaxLdRngLmt_Henry_f32                 | 7.00000019e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 4.99999987e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.00700000022                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0719999969                  |
| k_MinLdRngLmt_Henry_f32                 | 4.99999987e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.000110000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.00999999978                 |
| k_NomLd_Henry_f32                       | 4.99999987e-005               |
| k_NomLq_Henry_f32                       | 0.000110000001                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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CurrParamComp\_Per1

| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 16640                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 17920                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 19200                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 20480                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 21760                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 23040                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 25600                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 1408                                     |
| t_KeSatTbIX_Amp_u9p7[1]  | 2816                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 4224                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 5632                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 8448                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 9856                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 11264                                    |
| t_KeSatTbIX_Amp_u9p7[8]  | 12672                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 14080                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 15360                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932                                     |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096                                     |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260                                     |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 11.2539997                               |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 220                                      |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                              | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0719999969                                 | 0.0719999969                   | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0719999969                                 | 0.0719999969                   | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 4.99999987e-005                              | 4.99999987e-005 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 4.99999987e-005                              | 4.99999987e-005 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00700000022                                | 0.00700000022                  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.5 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0280000009                  |
| EstRFF_Ohm_M_f32                        | 0.00866552256                 |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0329999998                  |
| k_MaxLdRngLmt_Henry_f32                 | 7.9999998e-005                |
| k_MaxLqRngLmt_Henry_f32                 | 5.99999985e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.00800000038                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0729999989                  |
| k_MinLdRngLmt_Henry_f32                 | 5.99999985e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.000119999997                |
| k_MinRRngLmt_Ohm_f32                    | 0.0109999999                  |
| k_NomLd_Henry_f32                       | 5.99999985e-005               |
| k_NomLq_Henry_f32                       | 0.000119999997                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 17280       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 640         |
| t_KeSatTbIX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTbIX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12160       |



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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 13440  |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280  |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560  |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840  |
| t_KeSatTbIY_Uls_u2p14[0]   | 4096   |
| t_KeSatTbIY_Uls_u2p14[1]   | 5734   |
| t_KeSatTbIY_Uls_u2p14[2]   | 7373   |
| t_KeSatTbIY_Uls_u2p14[3]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[4]   | 10650  |
| t_KeSatTbIY_Uls_u2p14[5]   | 12288  |
| t_KeSatTbIY_Uls_u2p14[6]   | 13926  |
| t_KeSatTbIY_Uls_u2p14[7]   | 14082  |
| t_KeSatTbIY_Uls_u2p14[8]   | 9011   |
| t_KeSatTbIY_Uls_u2p14[9]   | 14254  |
| t_KeSatTbIY_Uls_u2p14[10]  | 819  |
| t_KeSatTbIY_Uls_u2p14[11]  | 14285  |
| t_KeSatTbIY_Uls_u2p14[12]  | 14439  |
| t_KeSatTbIY_Uls_u2p14[13]  | 6554   |
| t_KeSatTbIY_Uls_u2p14[14]  | 14606  |
| t_KeSatTbIY_Uls_u2p14[15]  | 16244  |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 12.1820002                                   |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 0  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value    | Expected Value                 | Result |
|--|-----------------|--------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 1               | 1                              | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0299999993    | 0.0299999993                   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0729999989    | 0.0729999989                   | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0729999989    | 0.0729999989                   | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 5.99999985e-005 | 5.99999985e-005 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.00011999997   | 0.00011999997 ± 0.0625         | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.00800000038   | 0.00800000038                  | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.6 (Repeat Count = 1)        |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0289999992                  |
| EstRFF_Ohm_M_f32                        | 0.00931234378                 |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0340000018                  |
| k_MaxLdRngLmt_Henry_f32                 | 9.00000014e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 7.00000019e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.00899999961                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.074000001                   |
| k_MinLdRngLmt_Henry_f32                 | 7.00000019e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.00013                       |
| k_MinRRngLmt_Ohm_f32                    | 0.0120000001                  |
| k_NomLd_Henry_f32                       | 7.00000019e-005               |
| k_NomLq_Henry_f32                       | 0.00013                       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                                |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                                |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                                |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                                |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                                |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                                |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                                |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                                |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                                |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                                |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                                |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                                |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                                |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                                |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                                |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                                |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                                |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                                |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                                |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                                |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                                |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                                |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                                |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                                |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                                |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                                |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                                |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                                |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                                |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                                |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                                |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                                |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                                |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                                |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 13.1099997                                   |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 100.25                                       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                              | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.074000001                                  | 0.074000001                    | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.074000001                                  | 0.074000001                    | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 7.00000019e-005                              | 7.00000019e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 7.00000019e-005                              | 7.00000019e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00899999961                                | 0.00899999961                  | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.7 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0299999993                  |
| EstRFF_Ohm_M_f32                        | 0.0123123396                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0350000001                  |
| k_MaxLdRngLmt_Henry_f32                 | 3.9999999e-005                |
| k_MaxLqRngLmt_Henry_f32                 | 7.9999998e-005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.00999999978                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0540000014                  |
| k_MinLdRngLmt_Henry_f32                 | 7.9999998e-005                |
| k_MinLqRngLmt_Henry_f32                 | 0.000140000004                |
| k_MinRRngLmt_Ohm_f32                    | 0.0130000003                  |
| k_NomLd_Henry_f32                       | 7.9999998e-005                |
| k_NomLq_Henry_f32                       | 0.000140000004                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScfFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12800       |
| t_KeSatTbIX_Amp_u9p7[10]                | 14080       |
| t_KeSatTbIX_Amp_u9p7[11]                | 15360       |
| t_KeSatTbIX_Amp_u9p7[12]                | 16640       |
| t_KeSatTbIX_Amp_u9p7[13]                | 17920       |
| t_KeSatTbIX_Amp_u9p7[14]                | 19200       |
| t_KeSatTbIX_Amp_u9p7[15]                | 20480       |
| t_KeSatTbIY_Uls_u2p14[0]                | 2130        |
| t_KeSatTbIY_Uls_u2p14[1]                | 2294        |
| t_KeSatTbIY_Uls_u2p14[2]                | 2458        |
| t_KeSatTbIY_Uls_u2p14[3]                | 1966        |
| t_KeSatTbIY_Uls_u2p14[4]                | 2785        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 14.0380001                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -100.389                                     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0430000015                                 | 0.0430000015                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0540000014                                 | 0.0540000014                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0540000014                                 | 0.0540000014                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 3.9999999e-005                               | 3.9999999e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 7.9999998e-005                               | 7.9999998e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00999999978                                | 0.00999999978                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.8 (Repeat Count = 1)        |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0309999995                  |
| EstRFF_Ohm_M_f32                        | 0.0111339996                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.06499999976                 |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0359999985                  |
| k_MaxLdRngLmt_Henry_f32                 | 4.99999987e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 9.00000014e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.0109999999                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0549999997                  |
| k_MinLdRngLmt_Henry_f32                 | 9.00000014e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.00015000007                 |
| k_MinRRngLmt_Ohm_f32                    | 0.0140000004                  |
| k_NomLd_Henry_f32                       | 9.00000014e-005               |
| k_NomLq_Henry_f32                       | 0.00015000007                 |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |



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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 8960   |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 10240  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 11520  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 12800  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 14080  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 15360  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 16640  |                                |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                                |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                                |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                                |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                                |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                                |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                                |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                                |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                                |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                                |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                                |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                                |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                                |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                                |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                                |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                                |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                                |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1802   |                                |        |
| t_KeSatTblY_Uls_u2p14[1]   | 1966   |                                |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2130   |                                |        |
| t_KeSatTblY_Uls_u2p14[3]   | 2458   |                                |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2458   |                                |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2621   |                                |        |
| t_KeSatTblY_Uls_u2p14[6]   | 4096   |                                |        |
| t_KeSatTblY_Uls_u2p14[7]   | 5734   |                                |        |
| t_KeSatTblY_Uls_u2p14[8]   | 6554   |                                |        |
| t_KeSatTblY_Uls_u2p14[9]   | 7373   |                                |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                                |        |
| t_KeSatTblY_Uls_u2p14[11]  | 9011   |                                |        |
| t_KeSatTblY_Uls_u2p14[12]  | 10650  |                                |        |
| t_KeSatTblY_Uls_u2p14[13]  | 12288  |                                |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13926  |                                |        |
| t_KeSatTblY_Uls_u2p14[15]  | 15565  |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -220   |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 10.3260002                                   |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                              | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0549999997                                 | 0.0549999997                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0689999983                                 | 0.0689999983                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0549999997                                 | 0.0549999997                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 4.99999987e-005                              | 4.99999987e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 9.00000014e-005                              | 9.00000014e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0109999999                                 | 0.0109999999                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.9 (Repeat Count = 1) |              |
|----------------------------------|--------------|
| Name                             | Input Value  |
| EstKeFF_VpRadpS_M_f32            | 0.0320000015 |
| EstRFF_Ohm_M_f32                 | 0.0125323003 |
| FastDataAccessBufIndex_Cnt_M_u16 | 1            |
| MtrEstKe_VpRadpS_M_f32[0]        | 0.0260000005 |
| MtrEstKe_VpRadpS_M_f32[1]        | 0.0270000007 |



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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0370000005                  |
| k_MaxLdRngLmt_Henry_f32                 | 5.99999985e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.0120000001                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0560000017                  |
| k_MinLdRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.000159999996                |
| k_MinRRngLmt_Ohm_f32                    | 0.0149999997                  |
| k_NomLd_Henry_f32                       | 9.99999975e-005               |
| k_NomLq_Henry_f32                       | 0.000159999996                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 16640                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 17920                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 19200                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 20480                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 21760                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 23040                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 25600                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 640                                      |
| t_KeSatTbIX_Amp_u9p7[1]  | 1920                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 3200                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 4480                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 5760                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 8320                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 9600                                     |
| t_KeSatTbIX_Amp_u9p7[8]  | 10880                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 12160                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 13440                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469                                    |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107                                    |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 220                                      |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 11.2539997                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                              | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0560000017                                 | 0.0560000017                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0560000017                                 | 0.0560000017                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 5.99999985e-005                              | 5.99999985e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 9.99999975e-005                              | 9.99999975e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0120000001                                 | 0.0120000001                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.10 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0329999998                  |
| EstRFF_Ohm_M_f32                        | 0.0132443998                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0379999988                  |
| k_MaxLdRngLmt_Henry_f32                 | 7.00000019e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 0.0002699999                  |
| k_MaxRRngLmt_Ohm_f32                    | 0.0130000003                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.057                         |
| k_MinLdRngLmt_Henry_f32                 | 0.000119999997                |
| k_MinLqRngLmt_Henry_f32                 | 0.000169999999                |
| k_MinRRngLmt_Ohm_f32                    | 0.0160000008                  |
| k_NomLd_Henry_f32                       | 0.000110000001                |
| k_NomLq_Henry_f32                       | 0.000169999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 17280       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12800       |

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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 14080  |
| t_KeSatTbIX_Amp_u9p7[11]   | 15360  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16640  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17920  |
| t_KeSatTbIX_Amp_u9p7[14]   | 19200  |
| t_KeSatTbIX_Amp_u9p7[15]   | 20480  |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294   |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 0  |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 12.1820002                                   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value                | Result |
|--|----------------|-------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 0              | 0                             | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.057          | 0.057                         | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0289999992   | 0.0289999992                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.057          | 0.057                         | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000119999997 | 0.000119999997 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000169999999 | 0.000169999999 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0130000003   | 0.0130000003                  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.11 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0340000018                  |
| EstRFF_Ohm_M_f32                        | 0.0145234996                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0390000008                  |
| k_MaxLdRngLmt_Henry_f32                 | 7.9999998e-005                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0140000004                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0579999983                  |
| k_MinLdRngLmt_Henry_f32                 | 0.00013                       |
| k_MinLqRngLmt_Henry_f32                 | 0.000180000003                |
| k_MinRRngLmt_Ohm_f32                    | 0.0170000009                  |
| k_NomLd_Henry_f32                       | 0.000119999997                |
| k_NomLq_Henry_f32                       | 0.000180000003                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                         |        |
|--|--|-------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                         |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                         |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                         |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                         |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                         |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                         |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                         |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                         |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                         |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                         |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                         |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                         |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                         |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                         |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                         |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                         |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                         |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                         |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                         |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                         |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                         |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                         |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                         |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                         |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                         |        |
| t_KeSatTblY_Uls_u2p14[2]   | 6554   |                         |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                         |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                         |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2784   |                         |        |
| t_KeSatTblY_Uls_u2p14[6]   | 4096   |                         |        |
| t_KeSatTblY_Uls_u2p14[7]   | 5734   |                         |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                         |        |
| t_KeSatTblY_Uls_u2p14[9]   | 7373   |                         |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                         |        |
| t_KeSatTblY_Uls_u2p14[11]  | 9011   |                         |        |
| t_KeSatTblY_Uls_u2p14[12]  | 10650  |                         |        |
| t_KeSatTblY_Uls_u2p14[13]  | 12288  |                         |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13926  |                         |        |
| t_KeSatTblY_Uls_u2p14[15]  | 15565  |                         |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 100  |                         |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 13.1099997                                   |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                         |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                         |        |
| Name   | Actual Value                                 | Expected Value          | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                       | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0579999983                                 | 0.0579999983            | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995            | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0579999983                                 | 0.0579999983            | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00013                                      | 0.00013 ± 0.0000000009  | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000180000003                               | 0.000180000003 ± 0.0625 | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0140000004                                 | 0.0140000004            | ✔      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.12 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0350000001                  |
| EstRFF_Ohm_M_f32                        | 0.0155450003                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0399999991                  |
| k_MaxLdRngLmt_Henry_f32                 | 9.00000014e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0149999997                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0590000004                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000140000004                |
| k_MinLqRngLmt_Henry_f32                 | 0.000190000006                |
| k_MinRRngLmt_Ohm_f32                    | 0.0179999992                  |
| k_NomLd_Henry_f32                       | 0.00013                       |
| k_NomLq_Henry_f32                       | 0.000190000006                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTblX_Amp_u9p7[0]                 | 640         |
| t_KeSatTblX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTblX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTblX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTblX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTblX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12160       |
| t_KeSatTblX_Amp_u9p7[10]                | 13440       |
| t_KeSatTblX_Amp_u9p7[11]                | 14720       |
| t_KeSatTblX_Amp_u9p7[12]                | 16000       |
| t_KeSatTblX_Amp_u9p7[13]                | 17280       |
| t_KeSatTblX_Amp_u9p7[14]                | 18560       |
| t_KeSatTblX_Amp_u9p7[15]                | 19840       |
| t_KeSatTblY_Uls_u2p14[0]                | 1966        |
| t_KeSatTblY_Uls_u2p14[1]                | 2130        |
| t_KeSatTblY_Uls_u2p14[2]                | 2294        |
| t_KeSatTblY_Uls_u2p14[3]                | 1802        |
| t_KeSatTblY_Uls_u2p14[4]                | 2621        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -100   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 14.0380001                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0590000004                                 | 0.0590000004                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0450000018                                 | 0.0450000018                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0590000004                                 | 0.0590000004                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000140000004                               | 0.000140000004 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000190000006                               | 0.000190000006 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0149999997                                 | 0.0149999997                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.13 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0359999985                  |
| EstRFF_Ohm_M_f32                        | 0.0161220003                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0410000011                  |
| k_MaxLdRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0160000008                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0599999987                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000150000007                |
| k_MinLqRngLmt_Henry_f32                 | 0.000199999995                |
| k_MinRRngLmt_Ohm_f32                    | 0.0189999994                  |
| k_NomLd_Henry_f32                       | 0.000140000004                |
| k_NomLq_Henry_f32                       | 0.000199999995                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 8960   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 10240  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 11520  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 12800  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 14080  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 15360  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 16640  |                              |        |
| t_KeSatTblX_Amp_u9p7[0]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[1]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[2]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[3]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[4]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[5]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[6]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[7]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[8]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[9]  | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[10]   | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[11]   | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[12]   | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[13]   | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[14]   | 0  |                              |        |
| t_KeSatTblX_Amp_u9p7[15]   | 0  |                              |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                              |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                              |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                              |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                              |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                              |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                              |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                              |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                              |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                              |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                              |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                              |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                              |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                              |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                              |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                              |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 27.0300007                                   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 14.9659996                                   |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0430000015                                 | 0.0430000015                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0599999987                                 | 0.0599999987                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0599999987                                 | 0.0599999987                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 9.9999975e-005                               | 9.9999975e-005 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000258325192                               | 0.000258324988 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0160000008                                 | 0.0160000008                 | ✔      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.14 (Repeat Count = 1)

| Name                             | Input Value  |
|----------------------------------|--------------|
| EstKeFF_VpRadpS_M_f32            | 0.0370000005 |
| EstRFF_Ohm_M_f32                 | 0.0175345    |
| FastDataAccessBufIndex_Cnt_M_u16 | 0            |
| MtrEstKe_VpRadpS_M_f32[0]        | 0.0649999976 |
| MtrEstKe_VpRadpS_M_f32[1]        | 0.0689999983 |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0419999994                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000119999997                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000330364011                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0170000009                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0610000007                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000159999996                |
| k_MinLqRngLmt_Henry_f32                 | 0.000209999998                |
| k_MinRRngLmt_Ohm_f32                    | 0.0199999996                  |
| k_NomLd_Henry_f32                       | 0.000150000007                |
| k_NomLq_Henry_f32                       | 0.000209999998                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 16640                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 17920                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 19200                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 20480                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 21760                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 23040                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 25600                                    |
| t_KeSatTblX_Amp_u9p7[0]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[1]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[2]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[3]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[4]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[5]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[6]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[7]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[8]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[9]  | 28160                                    |
| t_KeSatTblX_Amp_u9p7[10]   | 28160                                    |
| t_KeSatTblX_Amp_u9p7[11]   | 28160                                    |
| t_KeSatTblX_Amp_u9p7[12]   | 28160                                    |
| t_KeSatTblX_Amp_u9p7[13]   | 28160                                    |
| t_KeSatTblX_Amp_u9p7[14]   | 28160                                    |
| t_KeSatTblX_Amp_u9p7[15]   | 28160                                    |
| t_KeSatTblY_Uls_u2p14[0]   | 1966                                     |
| t_KeSatTblY_Uls_u2p14[1]   | 2130                                     |
| t_KeSatTblY_Uls_u2p14[2]   | 6554                                     |
| t_KeSatTblY_Uls_u2p14[3]   | 1802                                     |
| t_KeSatTblY_Uls_u2p14[4]   | 2621                                     |
| t_KeSatTblY_Uls_u2p14[5]   | 2785                                     |
| t_KeSatTblY_Uls_u2p14[6]   | 4096                                     |
| t_KeSatTblY_Uls_u2p14[7]   | 5734                                     |
| t_KeSatTblY_Uls_u2p14[8]   | 2458                                     |
| t_KeSatTblY_Uls_u2p14[9]   | 7373                                     |
| t_KeSatTblY_Uls_u2p14[10]  | 8192                                     |
| t_KeSatTblY_Uls_u2p14[11]  | 9011                                     |
| t_KeSatTblY_Uls_u2p14[12]  | 10650                                    |
| t_KeSatTblY_Uls_u2p14[13]  | 12288                                    |
| t_KeSatTblY_Uls_u2p14[14]  | 13926                                    |
| t_KeSatTblY_Uls_u2p14[15]  | 15565                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -10.5640001                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 15.8940001                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0610000007                                 | 0.0610000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0610000007                                 | 0.0610000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000159999996                               | 0.000159999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000209999998                               | 0.000209999998 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0170000009                                 | 0.0170000009                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.15 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.074000001                   |
| EstRFF_Ohm_M_f32                        | 0.0398560017                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000310000003                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0240000002                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0649999976                  |
| k_MinLdRngLmt_Henry_f32                 | 0.00033000001                 |
| k_MinLqRngLmt_Henry_f32                 | 0.000239999994                |
| k_MinRRngLmt_Ohm_f32                    | 0.0390000008                  |
| k_NomLd_Henry_f32                       | 0.000260000001                |
| k_NomLq_Henry_f32                       | 3.99999999e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1480        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 25600       |
| t_KeSatTblX_Amp_u9p7[0]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[1]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[2]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[3]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[4]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[5]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[6]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[7]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12800       |



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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[10]   | 12800  |                              |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 12800  |                              |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 12800  |                              |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 12800  |                              |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 12800  |                              |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 12800  |                              |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 16384  |                              |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 16384  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 155.350006                                   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 220  |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.074000001                                  | 0.074000001                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.074000001                                  | 0.074000001                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000310000003                               | 0.000310000003 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000239999994                               | 0.000239999994 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0240000002                                 | 0.0240000002 ± 0.000000009   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.16 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0390000008                  |
| EstRFF_Ohm_M_f32                        | 0.0191319995                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0710000023                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00014000004                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.000391090987                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0189999994                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0610000007                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000180000003                |
| k_MinLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinRRngLmt_Ohm_f32                    | 0.0219999999                  |
| k_NomLd_Henry_f32                       | 0.000169999999                |
| k_NomLq_Henry_f32                       | 0.000230000005                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTbIX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTbIX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTbIX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTbIX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTbIX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTbIX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTbIX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTbIX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTbIX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTbIX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTbIX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 0  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 0  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -85.7519989                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 17.75  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0610000007                                 | 0.0610000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0610000007                                 | 0.0610000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000180000003                               | 0.000180000003 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000230000005                               | 0.000230000005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0189999994                                 | 0.0189999994                  | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.17 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.03999999991                 |
| EstRFF_Ohm_M_f32                        | 0.0253454                     |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.02999999993                 |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.03099999995                 |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0719999999                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000150000007                |
| k_MaxLqRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.01999999996                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0619999999                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000190000006                |
| k_MinLqRngLmt_Henry_f32                 | 3.9999999e-005                |
| k_MinRRngLmt_Ohm_f32                    | 0.023                         |
| k_NomLd_Henry_f32                       | 9.99999975e-005               |
| k_NomLq_Henry_f32                       | 0.000239999994                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 14080       |
| t_KeSatTbIX_Amp_u9p7[10]                | 15360       |
| t_KeSatTbIX_Amp_u9p7[11]                | 16640       |
| t_KeSatTbIX_Amp_u9p7[12]                | 17920       |
| t_KeSatTbIX_Amp_u9p7[13]                | 19200       |
| t_KeSatTbIX_Amp_u9p7[14]                | 20480       |
| t_KeSatTbIX_Amp_u9p7[15]                | 21760       |
| t_KeSatTbIY_Uls_u2p14[0]                | 32768       |
| t_KeSatTbIY_Uls_u2p14[1]                | 32768       |
| t_KeSatTbIY_Uls_u2p14[2]                | 32768       |
| t_KeSatTbIY_Uls_u2p14[3]                | 32768       |
| t_KeSatTbIY_Uls_u2p14[4]                | 32768       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 32768  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 32768  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -123.346001                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 18.6779995                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0719999969                                 | 0.0719999969                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0719999969                                 | 0.0719999969                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000190000006                               | 0.000190000006 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 4.07373045e-005                              | 4.07000007e-005 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0199999996                                 | 0.0199999996                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.18 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0410000011                  |
| EstRFF_Ohm_M_f32                        | 0.0213130005                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0729999989                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000159999996                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000110000001                |
| k_MaxRRngLmt_Ohm_f32                    | 0.00899999961                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0630000001                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000199999995                |
| k_MinLqRngLmt_Henry_f32                 | 4.99999987e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0240000002                  |
| k_NomLd_Henry_f32                       | 0.000110000001                |
| k_NomLq_Henry_f32                       | 0.000250000012                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |



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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 16640  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 17920  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 19200  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 20480  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 21760  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 23040  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 25600  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 8192   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -160.940002                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 19.6060009                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.063000001                                  | 0.063000001                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0450000018                                 | 0.0450000018                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.063000001                                  | 0.063000001                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000199999995                               | 0.000199999995 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000110000001                               | 0.000110000001 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00899999961                                | 0.00899999961                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.19 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0419999994 |
| EstRFF_Ohm_M_f32                  | 0.0226456001 |
| FastDataAccessBufIndex_Cnt_M_u16  | 1            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0430000015 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0710000023 |



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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.074000001                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000169999999                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000119999997                |
| k_MaxRRngLmt_Ohm_f32                    | 0.00999999978                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.064000003                   |
| k_MinLdRngLmt_Henry_f32                 | 0.000209999998                |
| k_MinLqRngLmt_Henry_f32                 | 5.99999985e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0250000004                  |
| k_NomLd_Henry_f32                       | 0.000119999997                |
| k_NomLq_Henry_f32                       | 0.000260000001                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 0  |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 0  |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 0  |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 0  |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 0  |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 0  |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 24320                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 25600                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 26880                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 27008                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 27136                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 16000                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 17280                                    |
| t_KeSatTblX_Amp_u9p7[0]  | 1280                                     |
| t_KeSatTblX_Amp_u9p7[1]  | 2560                                     |
| t_KeSatTblX_Amp_u9p7[2]  | 3840                                     |
| t_KeSatTblX_Amp_u9p7[3]  | 5120                                     |
| t_KeSatTblX_Amp_u9p7[4]  | 6400                                     |
| t_KeSatTblX_Amp_u9p7[5]  | 7680                                     |
| t_KeSatTblX_Amp_u9p7[6]  | 8960                                     |
| t_KeSatTblX_Amp_u9p7[7]  | 10240                                    |
| t_KeSatTblX_Amp_u9p7[8]  | 11520                                    |
| t_KeSatTblX_Amp_u9p7[9]  | 12800                                    |
| t_KeSatTblX_Amp_u9p7[10]   | 14080                                    |
| t_KeSatTblX_Amp_u9p7[11]   | 15360                                    |
| t_KeSatTblX_Amp_u9p7[12]   | 16640                                    |
| t_KeSatTblX_Amp_u9p7[13]   | 17920                                    |
| t_KeSatTblX_Amp_u9p7[14]   | 19200                                    |
| t_KeSatTblX_Amp_u9p7[15]   | 20480                                    |
| t_KeSatTblY_Uls_u2p14[0]   | 4915                                     |
| t_KeSatTblY_Uls_u2p14[1]   | 6554                                     |
| t_KeSatTblY_Uls_u2p14[2]   | 8192                                     |
| t_KeSatTblY_Uls_u2p14[3]   | 3277                                     |
| t_KeSatTblY_Uls_u2p14[4]   | 11469                                    |
| t_KeSatTblY_Uls_u2p14[5]   | 13107                                    |
| t_KeSatTblY_Uls_u2p14[6]   | 13271                                    |
| t_KeSatTblY_Uls_u2p14[7]   | 13984                                    |
| t_KeSatTblY_Uls_u2p14[8]   | 9830                                     |
| t_KeSatTblY_Uls_u2p14[9]   | 14336                                    |
| t_KeSatTblY_Uls_u2p14[10]  | 1638                                     |
| t_KeSatTblY_Uls_u2p14[11]  | 14549                                    |
| t_KeSatTblY_Uls_u2p14[12]  | 14623                                    |
| t_KeSatTblY_Uls_u2p14[13]  | 14909                                    |
| t_KeSatTblY_Uls_u2p14[14]  | 14982                                    |
| t_KeSatTblY_Uls_u2p14[15]  | 16356                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -198.533997                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 20.5340004                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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CurrParamComp\_Per1

| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.064000003                                  | 0.064000003                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.064000003                                  | 0.064000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000209999998                               | 0.000209999998 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 5.99999985e-005                              | 5.99999985e-005 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00999999978                                | 0.00999999978                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.20 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0430000015                  |
| EstRFF_Ohm_M_f32                        | 0.0234534498                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0540000014                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000180000003                |
| k_MaxLqRngLmt_Henry_f32                 | 0.00013                       |
| k_MaxRRngLmt_Ohm_f32                    | 0.0109999999                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0649999976                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000220000002                |
| k_MinLqRngLmt_Henry_f32                 | 7.00000019e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0260000005                  |
| k_NomLd_Henry_f32                       | 0.00013                       |
| k_NomLq_Henry_f32                       | 0.000269999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 28160       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 28160       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTblX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTblX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTblX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTblX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTblX_Amp_u9p7[9]                 | 14080       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130   |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294   |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966   |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785   |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -26.6739998                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 21.4619999                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0689999983                                 | 0.0689999983                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0649999976                                 | 0.0649999976                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000220000002                               | 0.000220000002 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 7.00000019e-005                              | 7.00000019e-005 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0109999999                                 | 0.0109999999                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.21 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0439999998                  |
| EstRFF_Ohm_M_f32                        | 0.0246456005                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0549999997                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000190000006                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000140000004                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0120000001                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0659999996                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinLqRngLmt_Henry_f32                 | 7.9999998e-005                |
| k_MinRRngLmt_Ohm_f32                    | 0.0270000007                  |
| k_NomLd_Henry_f32                       | 0.000140000004                |
| k_NomLq_Henry_f32                       | 0.000280000007                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 12800  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1408   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2816   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 4224   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5632   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 7040   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 8448   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 5734   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 7373   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 10650  |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 12288  |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 13926  |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 14082  |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 9011   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 14254  |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 819  |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 14285  |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 14439  |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 14606  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 16244  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -28.4640007                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 22.3899994                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0659999996                                 | 0.0659999996                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0659999996                                 | 0.0659999996                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000230000005                               | 0.000230000005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 7.9999998e-005                               | 7.9999998e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0120000001                                 | 0.0120000001                  | ✔      |



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| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.22 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0450000018                  |
| EstRFF_Ohm_M_f32                        | 0.0254234001                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0560000017                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000199999995                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000150000007                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0130000003                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0670000017                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000220000002                |
| k_MinLqRngLmt_Henry_f32                 | 9.00000014e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0280000009                  |
| k_NomLd_Henry_f32                       | 0.000150000007                |
| k_NomLq_Henry_f32                       | 0.000289999996                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 0           |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 0           |
| t_KeSatTblX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTblX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTblX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTblX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[10]                | 14080       |
| t_KeSatTblX_Amp_u9p7[11]                | 15360       |
| t_KeSatTblX_Amp_u9p7[12]                | 16640       |
| t_KeSatTblX_Amp_u9p7[13]                | 17920       |
| t_KeSatTblX_Amp_u9p7[14]                | 19200       |
| t_KeSatTblX_Amp_u9p7[15]                | 20480       |
| t_KeSatTblY_Uls_u2p14[0]                | 1966        |
| t_KeSatTblY_Uls_u2p14[1]                | 2130        |
| t_KeSatTblY_Uls_u2p14[2]                | 2294        |
| t_KeSatTblY_Uls_u2p14[3]                | 1802        |
| t_KeSatTblY_Uls_u2p14[4]                | 2621        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -30.2539997                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 23.3180008                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0670000017                                 | 0.0670000017                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0670000017                                 | 0.0670000017                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000199999995                               | 0.000199999995 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000150000007                               | 0.000150000007 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0130000003                                 | 0.0130000003                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.23 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0460000001                  |
| EstRFF_Ohm_M_f32                        | 0.0263129994                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.057                         |
| k_MaxLdRngLmt_Henry_f32                 | 0.000209999998                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000159999996                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0140000004                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0680000037                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinLqRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0289999992                  |
| k_NomLd_Henry_f32                       | 0.000159999996                |
| k_NomLq_Henry_f32                       | 0.000300000014                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 28160  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 28160  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -32.0439987                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 24.2460003                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0299999993                                 | 0.0299999993                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0680000037                                 | 0.0680000037                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0680000037                                 | 0.0680000037                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000230000005                               | 0.000230000005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000159999996                               | 0.000159999996 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0140000004                                 | 0.0140000004                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.24 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0469999984 |
| EstRFF_Ohm_M_f32                  | 0.0276346002 |
| FastDataAccessBufIndex_Cnt_M_u16  | 0            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0410000011 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0450000018 |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0579999983                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000220000002                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000169999999                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0149999997                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0689999983                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000239999994                |
| k_MinLqRngLmt_Henry_f32                 | 0.000269999999                |
| k_MinRRngLmt_Ohm_f32                    | 0.0299999993                  |
| k_NomLd_Henry_f32                       | 0.000169999999                |
| k_NomLq_Henry_f32                       | 0.000310000003                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 8960                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 10240                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 11520                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 12800                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 14080                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 15360                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 12800                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 12800                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 640                                      |
| t_KeSatTbIX_Amp_u9p7[1]  | 1920                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 3200                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 4480                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 5760                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 8320                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 9600                                     |
| t_KeSatTbIX_Amp_u9p7[8]  | 10880                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 12160                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 13440                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 6554                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650                                    |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288                                    |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926                                    |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -33.8339996                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 25.1739998                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0689999983                                 | 0.0689999983                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0689999983                                 | 0.0689999983                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000239999994                               | 0.000239999994 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000269999999                               | 0.000269999999 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0149999997                                 | 0.0149999997                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.25 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0250000004                  |
| EstRFF_Ohm_M_f32                        | 0.0283122994                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0590000004                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000230000005                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000180000003                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0160000008                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0700000003                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000250000012                |
| k_MinLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinRRngLmt_Ohm_f32                    | 0.0309999995                  |
| k_NomLd_Henry_f32                       | 0.000180000003                |
| k_NomLq_Henry_f32                       | 0.000319999992                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 25600       |
| t_KeSatTblX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTblX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTblX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTblX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12800       |



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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -35.6240005                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 26.1019993                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0430000015                                 | 0.0430000015                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0700000003                                 | 0.0700000003                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0700000003                                 | 0.0700000003                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000250000012                               | 0.000250000012 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0160000008                                 | 0.0160000008                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.26 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.075000003                   |
| EstRFF_Ohm_M_f32                        | 0.0294124                     |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0599999987                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000239999994                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000190000006                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0170000009                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0710000023                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000260000001                |
| k_MinLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinRRngLmt_Ohm_f32                    | 0.0320000015                  |
| k_NomLd_Henry_f32                       | 0.000190000006                |
| k_NomLq_Henry_f32                       | 0.000330000001                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -37.4140015                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 27.0300007                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000260000001                               | 0.000260000001 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0170000009                                 | 0.0170000009                  | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.27 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0500000007                  |
| EstRFF_Ohm_M_f32                        | 0.0375670008                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0610000007                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00025000012                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.000199999995                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0179999992                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0719999969                  |
| k_MinLdRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MinLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinRRngLmt_Ohm_f32                    | 0.0329999998                  |
| k_NomLd_Henry_f32                       | 0.000199999995                |
| k_NomLq_Henry_f32                       | 0.000339999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTblX_Amp_u9p7[0]                 | 640         |
| t_KeSatTblX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTblX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTblX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTblX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTblX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12160       |
| t_KeSatTblX_Amp_u9p7[10]                | 13440       |
| t_KeSatTblX_Amp_u9p7[11]                | 14720       |
| t_KeSatTblX_Amp_u9p7[12]                | 16000       |
| t_KeSatTblX_Amp_u9p7[13]                | 17280       |
| t_KeSatTblX_Amp_u9p7[14]                | 18560       |
| t_KeSatTblX_Amp_u9p7[15]                | 19840       |
| t_KeSatTblY_Uls_u2p14[0]                | 1966        |
| t_KeSatTblY_Uls_u2p14[1]                | 2130        |
| t_KeSatTblY_Uls_u2p14[2]                | 6554        |
| t_KeSatTblY_Uls_u2p14[3]                | 1802        |
| t_KeSatTblY_Uls_u2p14[4]                | 2621        |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2784   |                              |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |                              |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |                              |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                              |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |                              |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |                              |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |                              |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |                              |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |                              |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |                              |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -39.2039986                                  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -10.5640001                                  |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0719999969                                 | 0.0719999969                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0719999969                                 | 0.0719999969                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00026999999                                | 0.00026999999 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000300000014                               | 0.000300000014 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0179999992                                 | 0.0179999992                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.28 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0480000004                  |
| EstRFF_Ohm_M_f32                        | 0.00499999989                 |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.061999999                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.00026000001                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.00020999998                 |
| k_MaxRRngLmt_Ohm_f32                    | 0.0189999994                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0729999989                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinLqRngLmt_Henry_f32                 | 0.00031000003                 |
| k_MinRRngLmt_Ohm_f32                    | 0.0340000018                  |
| k_NomLd_Henry_f32                       | 0.00020999998                 |
| k_NomLq_Henry_f32                       | 0.000349999988                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |



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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1408   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2816   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 4224   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5632   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 7040   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 8448   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -40.9939995                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -12.3540001                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0729999989                                 | 0.0729999989                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0729999989                                 | 0.0729999989                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000310000003                               | 0.000310000003 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0340000018                                 | 0.0340000018                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.29 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0489999987 |
| EstRFF_Ohm_M_f32                  | 0.125650004  |
| FastDataAccessBufIndex_Cnt_M_u16  | 1            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0299999993 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0309999995 |



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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.063000001                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.000220000002                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0199999996                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0260000005                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinLqRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinRRngLmt_Ohm_f32                    | 0.0350000001                  |
| k_NomLd_Henry_f32                       | 0.000220000002                |
| k_NomLq_Henry_f32                       | 0.000360000005                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 8960                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 10240                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 11520                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 12800                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 14080                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 15360                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 16640                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 17920                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 19200                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 20480                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 21760                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 23040                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 25600                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 1408                                     |
| t_KeSatTbIX_Amp_u9p7[1]  | 2816                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 4224                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 5632                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 8448                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 9856                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 11264                                    |
| t_KeSatTbIX_Amp_u9p7[8]  | 12672                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 14080                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 15360                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932                                     |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096                                     |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260                                     |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -42.7840004                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | -14.1440001                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0260000005                                 | 0.0260000005                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0260000005                                 | 0.0260000005                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000319999992                               | 0.000319999992 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0199999996                                 | 0.0199999996                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.30 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0500000007                  |
| EstRFF_Ohm_M_f32                        | 0.00600000005                 |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.064000003                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0209999997                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0270000007                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinLqRngLmt_Henry_f32                 | 0.000330000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.0359999985                  |
| k_NomLd_Henry_f32                       | 0.000230000005                |
| k_NomLq_Henry_f32                       | 0.000369999994                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 17280       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 640         |
| t_KeSatTbIX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTbIX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12160       |

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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 13440  |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280  |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560  |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840  |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[2]   | 6554   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -44.5740013                                  |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -15.934                                      |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value                | Result |
|--|----------------|-------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 1              | 1                             | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0410000011   | 0.0410000011                  | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0270000007   | 0.0270000007                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0270000007   | 0.0270000007                  | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000300000014 | 0.000300000014 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000330000001 | 0.000330000001 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0359999985   | 0.0359999985                  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.31 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.050999999                   |
| EstRFF_Ohm_M_f32                        | 0.0317450017                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0649999976                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000269999999                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0219999999                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0280000009                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000310000003                |
| k_MinLqRngLmt_Henry_f32                 | 0.000220000002                |
| k_MinRRngLmt_Ohm_f32                    | 0.0370000005                  |
| k_NomLd_Henry_f32                       | 0.000239999994                |
| k_NomLq_Henry_f32                       | 2.99999992e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -46.3639984                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -17.7240009                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0280000009                                 | 0.0280000009                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000310000003                               | 0.000310000003 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000220000002                               | 0.000220000002 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0219999999                                 | 0.0219999999                  | ✔      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.32 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0520000011                  |
| EstRFF_Ohm_M_f32                        | 0.0354234017                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0659999996                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000300000014                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxRRngLmt_Ohm_f32                    | 0.023                         |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0289999992                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinRRngLmt_Ohm_f32                    | 0.0379999988                  |
| k_NomLd_Henry_f32                       | 0.000250000012                |
| k_NomLq_Henry_f32                       | 0.000410000008                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTblX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTblX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTblX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTblX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTblX_Amp_u9p7[9]                 | 14080       |
| t_KeSatTblX_Amp_u9p7[10]                | 15360       |
| t_KeSatTblX_Amp_u9p7[11]                | 16640       |
| t_KeSatTblX_Amp_u9p7[12]                | 17920       |
| t_KeSatTblX_Amp_u9p7[13]                | 19200       |
| t_KeSatTblX_Amp_u9p7[14]                | 20480       |
| t_KeSatTblX_Amp_u9p7[15]                | 21760       |
| t_KeSatTblY_Uls_u2p14[0]                | 4915        |
| t_KeSatTblY_Uls_u2p14[1]                | 6554        |
| t_KeSatTblY_Uls_u2p14[2]                | 8192        |
| t_KeSatTblY_Uls_u2p14[3]                | 3277        |
| t_KeSatTblY_Uls_u2p14[4]                | 11469       |

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| Name   | Input Value                                  |                             |        |
|--|--|-----------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 13107  |                             |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 13271  |                             |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 13984  |                             |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 9830   |                             |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 14336  |                             |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                             |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 14549  |                             |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 14623  |                             |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 14909  |                             |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 14982  |                             |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 16356  |                             |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -48.1539993                                  |                             |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -19.5139999                                  |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                             |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                             |        |
| Name   | Actual Value                                 | Expected Value              | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                           | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0289999992                                 | 0.0289999992                | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0289999992                                 | 0.0289999992                | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00031999992                                | 0.00031999992 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000230000005                               | 0.000230000005 ± 0.0625     | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.023  | 0.023                       | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.33 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0529999994                  |
| EstRFF_Ohm_M_f32                        | 0.0398560017                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0670000017                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000310000003                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0240000002                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0299999993                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000330000001                |
| k_MinLqRngLmt_Henry_f32                 | 0.000239999994                |
| k_MinRRngLmt_Ohm_f32                    | 0.0390000008                  |
| k_NomLd_Henry_f32                       | 0.000260000001                |
| k_NomLq_Henry_f32                       | 0.000118889999                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 16640  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 17920  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 19200  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 20480  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 21760  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 23040  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 25600  |                              |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                              |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                              |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                              |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                              |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                              |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                              |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                              |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                              |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                              |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                              |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                              |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                              |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                              |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                              |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                              |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                              |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                              |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                              |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                              |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                              |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                              |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                              |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                              |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                              |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                              |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                              |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                              |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                              |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                              |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                              |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                              |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 155.350006                                   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -21.3040009                                  |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0299999993                                 | 0.0299999993                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0299999993                                 | 0.0299999993                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00033000001                                | 0.00033000001 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000239999994                               | 0.000239999994 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0240000002                                 | 0.0240000002                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.34 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0540000014 |
| EstRFF_Ohm_M_f32                  | 0.0434233993 |
| FastDataAccessBufIndex_Cnt_M_u16  | 0            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0280000009 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0289999992 |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0680000037                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000319999992                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0250000004                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0309999995                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000220000002                |
| k_MinLqRngLmt_Henry_f32                 | 0.000250000012                |
| k_MinRRngLmt_Ohm_f32                    | 0.0399999991                  |
| k_NomLd_Henry_f32                       | 2.99999992e-005               |
| k_NomLq_Henry_f32                       | 3.9999999e-005                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 8960                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 10240                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 11520                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 12800                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 14080                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 15360                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 24320                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 25600                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 26880                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 27008                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 27136                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 16000                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 17280                                    |
| t_KeSatTblX_Amp_u9p7[0]  | 1280                                     |
| t_KeSatTblX_Amp_u9p7[1]  | 2560                                     |
| t_KeSatTblX_Amp_u9p7[2]  | 3840                                     |
| t_KeSatTblX_Amp_u9p7[3]  | 5120                                     |
| t_KeSatTblX_Amp_u9p7[4]  | 6400                                     |
| t_KeSatTblX_Amp_u9p7[5]  | 7680                                     |
| t_KeSatTblX_Amp_u9p7[6]  | 8960                                     |
| t_KeSatTblX_Amp_u9p7[7]  | 10240                                    |
| t_KeSatTblX_Amp_u9p7[8]  | 11520                                    |
| t_KeSatTblX_Amp_u9p7[9]  | 12800                                    |
| t_KeSatTblX_Amp_u9p7[10]   | 14080                                    |
| t_KeSatTblX_Amp_u9p7[11]   | 15360                                    |
| t_KeSatTblX_Amp_u9p7[12]   | 16640                                    |
| t_KeSatTblX_Amp_u9p7[13]   | 17920                                    |
| t_KeSatTblX_Amp_u9p7[14]   | 19200                                    |
| t_KeSatTblX_Amp_u9p7[15]   | 20480                                    |
| t_KeSatTblY_Uls_u2p14[0]   | 4096                                     |
| t_KeSatTblY_Uls_u2p14[1]   | 5734                                     |
| t_KeSatTblY_Uls_u2p14[2]   | 7373                                     |
| t_KeSatTblY_Uls_u2p14[3]   | 2458                                     |
| t_KeSatTblY_Uls_u2p14[4]   | 10650                                    |
| t_KeSatTblY_Uls_u2p14[5]   | 12288                                    |
| t_KeSatTblY_Uls_u2p14[6]   | 13926                                    |
| t_KeSatTblY_Uls_u2p14[7]   | 14082                                    |
| t_KeSatTblY_Uls_u2p14[8]   | 9011                                     |
| t_KeSatTblY_Uls_u2p14[9]   | 14254                                    |
| t_KeSatTblY_Uls_u2p14[10]  | 819                                      |
| t_KeSatTblY_Uls_u2p14[11]  | 14285                                    |
| t_KeSatTblY_Uls_u2p14[12]  | 14439                                    |
| t_KeSatTblY_Uls_u2p14[13]  | 6554                                     |
| t_KeSatTblY_Uls_u2p14[14]  | 14606                                    |
| t_KeSatTblY_Uls_u2p14[15]  | 16244                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 158.324005                               |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | -23.0939999                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000220000002                               | 0.000220000002 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000250000012                               | 0.000250000012 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0250000004                                 | 0.0250000004                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.35 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0549999997                  |
| EstRFF_Ohm_M_f32                        | 0.0476866998                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0689999983                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000330000001                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000310000003                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0260000005                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0320000015                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinLqRngLmt_Henry_f32                 | 0.000260000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.0410000011                  |
| k_NomLd_Henry_f32                       | 0.000410000008                |
| k_NomLq_Henry_f32                       | 4.99999987e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTblX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTblX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTblX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTblX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTblX_Amp_u9p7[9]                 | 14080       |



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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 15360  |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640  |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920  |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200  |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480  |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760  |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 161.298004                                   |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -24.8840008                                  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value                | Result |
|--|----------------|-------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 0              | 0                             | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0320000015   | 0.0320000015                  | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0309999995   | 0.0309999995                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0320000015   | 0.0320000015                  | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000230000005 | 0.000230000005 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000260000001 | 0.000260000001 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0260000005   | 0.0260000005                  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.36 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0560000017                  |
| EstRFF_Ohm_M_f32                        | 0.0515234992                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0700000003                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000339999999                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000319999992                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0270000007                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0329999998                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000239999994                |
| k_MinLqRngLmt_Henry_f32                 | 0.000269999999                |
| k_MinRRngLmt_Ohm_f32                    | 0.0419999994                  |
| k_NomLd_Henry_f32                       | 0.000118889999                |
| k_NomLq_Henry_f32                       | 5.99999985e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1408   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2816   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 4224   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5632   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 7040   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 8448   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 164.272003                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -26.6739998                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0329999998                                 | 0.0329999998                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0329999998                                 | 0.0329999998                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000239999994                               | 0.000239999994 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000269999999                               | 0.000269999999 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0270000007                                 | 0.0270000007                  | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.37 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.057                         |
| EstRFF_Ohm_M_f32                        | 0.0557856001                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0710000023                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000349999988                |
| k_MaxLqRngLmt_Henry_f32                 | 0.00033000001                 |
| k_MaxRRngLmt_Ohm_f32                    | 0.0280000009                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0250000004                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000250000012                |
| k_MinLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinRRngLmt_Ohm_f32                    | 0.0430000015                  |
| k_NomLd_Henry_f32                       | 0.000220000002                |
| k_NomLq_Henry_f32                       | 7.00000019e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 25600       |
| t_KeSatTblX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTblX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTblX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTblX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12800       |
| t_KeSatTblX_Amp_u9p7[10]                | 14080       |
| t_KeSatTblX_Amp_u9p7[11]                | 15360       |
| t_KeSatTblX_Amp_u9p7[12]                | 16640       |
| t_KeSatTblX_Amp_u9p7[13]                | 17920       |
| t_KeSatTblX_Amp_u9p7[14]                | 19200       |
| t_KeSatTblX_Amp_u9p7[15]                | 20480       |
| t_KeSatTblY_Uls_u2p14[0]                | 1802        |
| t_KeSatTblY_Uls_u2p14[1]                | 1966        |
| t_KeSatTblY_Uls_u2p14[2]                | 2130        |
| t_KeSatTblY_Uls_u2p14[3]                | 2458        |
| t_KeSatTblY_Uls_u2p14[4]                | 2458        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 167.246002                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -28.4640007                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0250000004                                 | 0.0250000004                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0250000004                                 | 0.0250000004                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000250000012                               | 0.000250000012 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0280000009                                 | 0.0280000009                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.38 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0579999983                  |
| EstRFF_Ohm_M_f32                        | 0.0595235005                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0719999969                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000360000005                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000220000002                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0289999992                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MinLdRngLmt_Henry_f32                 | 0.000260000001                |
| k_MinLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinRRngLmt_Ohm_f32                    | 0.0439999998                  |
| k_NomLd_Henry_f32                       | 0.000230000005                |
| k_NomLq_Henry_f32                       | 7.9999998e-005                |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScfFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScfFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |



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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 170.220001                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -30.2539997                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.075000003                                  | 0.075000003                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000260000001                               | 0.000260000001 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0289999992                                 | 0.0289999992                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.39 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0590000004 |
| EstRFF_Ohm_M_f32                  | 0.063978903  |
| FastDataAccessBufIndex_Cnt_M_u16  | 1            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0260000005 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0270000007 |



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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0729999989                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000369999994                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0299999993                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0260000005                  |
| k_MinLdRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MinLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinRRngLmt_Ohm_f32                    | 0.0450000018                  |
| k_NomLd_Henry_f32                       | 0.000239999994                |
| k_NomLq_Henry_f32                       | 9.00000014e-005               |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 1280                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 2560                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 3840                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 5120                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 6400                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 7680                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 8960                                     |
| t_KeSatTbIX_Amp_u9p7[0]  | 640                                      |
| t_KeSatTbIX_Amp_u9p7[1]  | 1920                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 3200                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 4480                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 5760                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 8320                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 9600                                     |
| t_KeSatTbIX_Amp_u9p7[8]  | 10880                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 12160                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 13440                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932                                     |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096                                     |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260                                     |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 173.194                                  |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | -32.0439987                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0260000005                                 | 0.0260000005                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0260000005                                 | 0.0260000005                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00026999999                                | 0.00026999999 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000300000014                               | 0.000300000014 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0299999993                                 | 0.0299999993                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.40 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.05999999987                 |
| EstRFF_Ohm_M_f32                        | 0.0675230026                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0250000004                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000380000012                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000239999994                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0309999995                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0260000005                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinLqRngLmt_Henry_f32                 | 0.000310000003                |
| k_MinRRngLmt_Ohm_f32                    | 0.0460000001                  |
| k_NomLd_Henry_f32                       | 0.000250000012                |
| k_NomLq_Henry_f32                       | 9.99999975e-005               |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12800       |

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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 14080  |
| t_KeSatTbIX_Amp_u9p7[11]   | 15360  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16640  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17920  |
| t_KeSatTbIX_Amp_u9p7[14]   | 19200  |
| t_KeSatTbIX_Amp_u9p7[15]   | 20480  |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[2]   | 6554   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2784   |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 176.167999                                   |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -33.8339996                                  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value                | Result |
|--|----------------|-------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 1              | 1                             | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0280000009   | 0.0280000009                  | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0260000005   | 0.0260000005                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0260000005   | 0.0260000005                  | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000280000007 | 0.000280000007 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000310000003 | 0.000310000003 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0309999995   | 0.0309999995                  | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.41 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0610000007                  |
| EstRFF_Ohm_M_f32                        | 0.0719780028                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.075000003                   |
| k_MaxLdRngLmt_Henry_f32                 | 0.000390000001                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000250000012                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0320000015                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0270000007                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinLqRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinRRngLmt_Ohm_f32                    | 0.0469999984                  |
| k_NomLd_Henry_f32                       | 0.000260000001                |
| k_NomLq_Henry_f32                       | 0.000110000001                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 16640  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 17920  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 19200  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 20480  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 21760  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 23040  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 25600  |                               |        |
| t_KeSatTbIX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTbIX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTbIX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTbIX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTbIX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTbIX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTbIX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTbIX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTbIX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTbIX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTbIX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 179.141998                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -35.6240005                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0270000007                                 | 0.0270000007                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0270000007                                 | 0.0270000007                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000319999992                               | 0.000319999992 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0320000015                                 | 0.0320000015                  | ✔      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.42 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.061999999                   |
| EstRFF_Ohm_M_f32                        | 0.075534001                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0599999987                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00039999999                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.000260000001                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0329999998                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0280000009                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinLqRngLmt_Henry_f32                 | 0.00033000001                 |
| k_MinRRngLmt_Ohm_f32                    | 0.0480000004                  |
| k_NomLd_Henry_f32                       | 0.00026999999                 |
| k_NomLq_Henry_f32                       | 0.000119999997                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 17280       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 640         |
| t_KeSatTbIX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTbIX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12160       |
| t_KeSatTbIX_Amp_u9p7[10]                | 13440       |
| t_KeSatTbIX_Amp_u9p7[11]                | 14720       |
| t_KeSatTbIX_Amp_u9p7[12]                | 16000       |
| t_KeSatTbIX_Amp_u9p7[13]                | 17280       |
| t_KeSatTbIX_Amp_u9p7[14]                | 18560       |
| t_KeSatTbIX_Amp_u9p7[15]                | 19840       |
| t_KeSatTbIY_Uls_u2p14[0]                | 2130        |
| t_KeSatTbIY_Uls_u2p14[1]                | 2294        |
| t_KeSatTbIY_Uls_u2p14[2]                | 2458        |
| t_KeSatTbIY_Uls_u2p14[3]                | 1966        |
| t_KeSatTbIY_Uls_u2p14[4]                | 2785        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 182.115997                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -37.4140015                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0280000009                                 | 0.0280000009                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000300000014                               | 0.000300000014 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.00033000001                                | 0.00033000001 ± 0.0625        | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0329999998                                 | 0.0329999998                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.43 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.063000001                   |
| EstRFF_Ohm_M_f32                        | 0.0798567981                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0260000005                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00015000007                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MaxRRngLmt_Ohm_f32                    | 0.0340000018                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0289999992                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000310000003                |
| k_MinLqRngLmt_Henry_f32                 | 0.000339999999                |
| k_MinRRngLmt_Ohm_f32                    | 0.00499999989                 |
| k_NomLd_Henry_f32                       | 0.000280000007                |
| k_NomLq_Henry_f32                       | 0.00013                       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 5734   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 7373   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 9011   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 10650  |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 12288  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13926  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 15565  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 113.322998                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -39.2039986                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0289999992                                 | 0.0289999992                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0289999992                                 | 0.0289999992                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000150000007                               | 0.000150000007 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000339999999                               | 0.000339999999 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0340000018                                 | 0.0340000018                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.44 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.064000003  |
| EstRFF_Ohm_M_f32                  | 0.0835645571 |
| FastDataAccessBufIndex_Cnt_M_u16  | 0            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0649999976 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0689999983 |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0270000007                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000159999996                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0350000001                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0299999993                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinLqRngLmt_Henry_f32                 | 0.000349999988                |
| k_MinRRngLmt_Ohm_f32                    | 0.125650004                   |
| k_NomLd_Henry_f32                       | 0.000289999996                |
| k_NomLq_Henry_f32                       | 0.000140000004                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 9856                                     |
| t_KeSatTbIX_Amp_u9p7[0]  | 1408                                     |
| t_KeSatTbIX_Amp_u9p7[1]  | 2816                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 4224                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 5632                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 8448                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 9856                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 11264                                    |
| t_KeSatTbIX_Amp_u9p7[8]  | 12672                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 14080                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 15360                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469                                    |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107                                    |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -42.7840004                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | -40.9939995                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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CurrParamComp\_Per1

| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0299999993                                 | 0.0299999993                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0299999993                                 | 0.0299999993                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000159999996                               | 0.000159999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000349999988                               | 0.000349999988 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0350000001                                 | 0.0350000001                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.45 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0649999976                  |
| EstRFF_Ohm_M_f32                        | 0.0877500027                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0280000009                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000169999999                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0359999985                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0309999995                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000330000001                |
| k_MinLqRngLmt_Henry_f32                 | 0.000360000005                |
| k_MinRRngLmt_Ohm_f32                    | 0.00999999978                 |
| k_NomLd_Henry_f32                       | 0.000300000014                |
| k_NomLq_Henry_f32                       | 0.000150000007                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 25600       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 640         |
| t_KeSatTbIX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTbIX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12160       |



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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[10]   | 13440  |                              |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720  |                              |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000  |                              |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280  |                              |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560  |                              |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840  |                              |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 4915   |                              |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 6554   |                              |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 8192   |                              |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 3277   |                              |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 11469  |                              |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 13107  |                              |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 13271  |                              |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 13984  |                              |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 9830   |                              |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 14336  |                              |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                              |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 14549  |                              |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 14623  |                              |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 14909  |                              |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 14982  |                              |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 16356  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -44.5740013                                  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -42.7840004                                  |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0270000007                                 | 0.0270000007                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0280000009                                 | 0.0280000009                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00033000001                                | 0.00033000001 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000360000005                               | 0.000360000005 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0359999985                                 | 0.0359999985                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.46 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0659999996                  |
| EstRFF_Ohm_M_f32                        | 0.091745697                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0280000009                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0289999992                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0289999992                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000180000003                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MaxRRngLmt_Ohm_f32                    | 0.00499999989                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0320000015                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000339999999                |
| k_MinLqRngLmt_Henry_f32                 | 0.000369999994                |
| k_MinRRngLmt_Ohm_f32                    | 0.0309999995                  |
| k_NomLd_Henry_f32                       | 0.000310000003                |
| k_NomLq_Henry_f32                       | 0.000159999996                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 24320  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 25600  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 26880  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 27008  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 27136  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 16000  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 16.368                                       |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -44.5740013                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0320000015                                 | 0.0320000015                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0320000015                                 | 0.0320000015                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000339999999                               | 0.000339999999 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000369999994                               | 0.000369999994 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00499999989                                | 0.00499999989                 | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.47 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0670000017                  |
| EstRFF_Ohm_M_f32                        | 0.0956560001                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0299999993                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000190000006                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000310000003                |
| k_MaxRRngLmt_Ohm_f32                    | 0.1256500004                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0329999998                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000349999988                |
| k_MinLqRngLmt_Henry_f32                 | 0.000380000012                |
| k_MinRRngLmt_Ohm_f32                    | 0.0350000001                  |
| k_NomLd_Henry_f32                       | 0.000319999992                |
| k_NomLq_Henry_f32                       | 0.000169999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTblX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTblX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTblX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTblX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTblX_Amp_u9p7[9]                 | 14080       |
| t_KeSatTblX_Amp_u9p7[10]                | 15360       |
| t_KeSatTblX_Amp_u9p7[11]                | 16640       |
| t_KeSatTblX_Amp_u9p7[12]                | 17920       |
| t_KeSatTblX_Amp_u9p7[13]                | 19200       |
| t_KeSatTblX_Amp_u9p7[14]                | 20480       |
| t_KeSatTblX_Amp_u9p7[15]                | 21760       |
| t_KeSatTblY_Uls_u2p14[0]                | 4096        |
| t_KeSatTblY_Uls_u2p14[1]                | 5734        |
| t_KeSatTblY_Uls_u2p14[2]                | 7373        |
| t_KeSatTblY_Uls_u2p14[3]                | 2458        |
| t_KeSatTblY_Uls_u2p14[4]                | 10650       |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 12288  |                              |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 13926  |                              |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 14082  |                              |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 9011   |                              |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 14254  |                              |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 819  |                              |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 14285  |                              |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 14439  |                              |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 6554   |                              |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 14606  |                              |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 16244  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 19.3547993                                   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 16.368                                       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0329999998                                 | 0.0329999998                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0309999995                                 | 0.0309999995                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0329999998                                 | 0.0329999998                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000349999988                               | 0.000349999988 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000380000012                               | 0.000380000012 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0956560001                                 | 0.0956560001                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.48 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0680000037                  |
| EstRFF_Ohm_M_f32                        | 0.0998677984                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0309999995                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00019999995                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.00031999992                 |
| k_MaxRRngLmt_Ohm_f32                    | 0.00600000005                 |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0340000018                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000360000005                |
| k_MinLqRngLmt_Henry_f32                 | 0.000390000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.0390000008                  |
| k_NomLd_Henry_f32                       | 0.00033000001                 |
| k_NomLq_Henry_f32                       | 0.000180000003                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 7680        |



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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1408   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2816   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 4224   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5632   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 7040   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 8448   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 22.3416004                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 19.3547993                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0340000018                                 | 0.0340000018                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0340000018                                 | 0.0340000018                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000199999995                               | 0.000199999995 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000390000001                               | 0.000390000001 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.00600000005                                | 0.00600000005                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.49 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0689999983 |
| EstRFF_Ohm_M_f32                  | 0.103634603  |
| FastDataAccessBufIndex_Cnt_M_u16  | 0            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0430000015 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0710000023 |



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CurrParamComp\_Per1

| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0320000015                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000209999998                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000286077993                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0309999995                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0350000001                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000369999994                |
| k_MinLqRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0430000015                  |
| k_NomLd_Henry_f32                       | 0.000220000002                |
| k_NomLq_Henry_f32                       | 0.000190000006                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1408                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2816                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 4224                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5632                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 7040                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 8448                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 16640                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 17920                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 19200                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 20480                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 21760                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 23040                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 25600                                    |
| t_KeSatTblX_Amp_u9p7[0]  | 1280                                     |
| t_KeSatTblX_Amp_u9p7[1]  | 2560                                     |
| t_KeSatTblX_Amp_u9p7[2]  | 3840                                     |
| t_KeSatTblX_Amp_u9p7[3]  | 5120                                     |
| t_KeSatTblX_Amp_u9p7[4]  | 6400                                     |
| t_KeSatTblX_Amp_u9p7[5]  | 7680                                     |
| t_KeSatTblX_Amp_u9p7[6]  | 8960                                     |
| t_KeSatTblX_Amp_u9p7[7]  | 10240                                    |
| t_KeSatTblX_Amp_u9p7[8]  | 11520                                    |
| t_KeSatTblX_Amp_u9p7[9]  | 12800                                    |
| t_KeSatTblX_Amp_u9p7[10]   | 14080                                    |
| t_KeSatTblX_Amp_u9p7[11]   | 15360                                    |
| t_KeSatTblX_Amp_u9p7[12]   | 16640                                    |
| t_KeSatTblX_Amp_u9p7[13]   | 17920                                    |
| t_KeSatTblX_Amp_u9p7[14]   | 19200                                    |
| t_KeSatTblX_Amp_u9p7[15]   | 20480                                    |
| t_KeSatTblY_Uls_u2p14[0]   | 2130                                     |
| t_KeSatTblY_Uls_u2p14[1]   | 2294                                     |
| t_KeSatTblY_Uls_u2p14[2]   | 2458                                     |
| t_KeSatTblY_Uls_u2p14[3]   | 1966                                     |
| t_KeSatTblY_Uls_u2p14[4]   | 2785                                     |
| t_KeSatTblY_Uls_u2p14[5]   | 2949                                     |
| t_KeSatTblY_Uls_u2p14[6]   | 3113                                     |
| t_KeSatTblY_Uls_u2p14[7]   | 3277                                     |
| t_KeSatTblY_Uls_u2p14[8]   | 2621                                     |
| t_KeSatTblY_Uls_u2p14[9]   | 3441                                     |
| t_KeSatTblY_Uls_u2p14[10]  | 1802                                     |
| t_KeSatTblY_Uls_u2p14[11]  | 3604                                     |
| t_KeSatTblY_Uls_u2p14[12]  | 3768                                     |
| t_KeSatTblY_Uls_u2p14[13]  | 3932                                     |
| t_KeSatTblY_Uls_u2p14[14]  | 4096                                     |
| t_KeSatTblY_Uls_u2p14[15]  | 4260                                     |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 25.3283997                               |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 22.3416004                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0430000015                                 | 0.0430000015                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0350000001                                 | 0.0350000001                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0350000001                                 | 0.0350000001                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000209999998                               | 0.000209999998 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000192238163                               | 0.000192238003 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0309999995                                 | 0.0309999995                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.50 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0700000003                  |
| EstRFF_Ohm_M_f32                        | 0.107666001                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0329999998                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000220000002                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000286543014                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0350000001                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0359999985                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000380000012                |
| k_MinLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinRRngLmt_Ohm_f32                    | 0.0469999984                  |
| k_NomLd_Henry_f32                       | 0.000230000005                |
| k_NomLq_Henry_f32                       | 0.000199999995                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 17280       |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 14080       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTbIY_Uls_u2p14[0]   | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[1]   | 1966   |                               |        |
| t_KeSatTbIY_Uls_u2p14[2]   | 2130   |                               |        |
| t_KeSatTbIY_Uls_u2p14[3]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[4]   | 2458   |                               |        |
| t_KeSatTbIY_Uls_u2p14[5]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 6554   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 28.3152008                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 25.3283997                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0359999985                                 | 0.0359999985                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0359999985                                 | 0.0359999985                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000380000012                               | 0.000380000012 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000410000008                               | 0.000410000008 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0350000001                                 | 0.0350000001                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.51 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0710000023                  |
| EstRFF_Ohm_M_f32                        | 0.111568563                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0340000018                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000230000005                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000287006987                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0390000008                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0370000005                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000390000001                |
| k_MinLqRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MinRRngLmt_Ohm_f32                    | 0.0509999999                  |
| k_NomLd_Henry_f32                       | 0.000239999994                |
| k_NomLq_Henry_f32                       | 0.000209999998                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                              |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                              |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                              |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                              |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 16640  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 17920  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 19200  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 20480  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 21760  |                              |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 23040  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                              |        |
| t_KeSatTblX_Amp_u9p7[0]  | 640  |                              |        |
| t_KeSatTblX_Amp_u9p7[1]  | 1920   |                              |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3200   |                              |        |
| t_KeSatTblX_Amp_u9p7[3]  | 4480   |                              |        |
| t_KeSatTblX_Amp_u9p7[4]  | 5760   |                              |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7040   |                              |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8320   |                              |        |
| t_KeSatTblX_Amp_u9p7[7]  | 9600   |                              |        |
| t_KeSatTblX_Amp_u9p7[8]  | 10880  |                              |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12160  |                              |        |
| t_KeSatTblX_Amp_u9p7[10]   | 13440  |                              |        |
| t_KeSatTblX_Amp_u9p7[11]   | 14720  |                              |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16000  |                              |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17280  |                              |        |
| t_KeSatTblX_Amp_u9p7[14]   | 18560  |                              |        |
| t_KeSatTblX_Amp_u9p7[15]   | 19840  |                              |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                              |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                              |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                              |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                              |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                              |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                              |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                              |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                              |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                              |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                              |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                              |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                              |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                              |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                              |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                              |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 31.302                                       |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 28.3152008                                   |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0430000015                                 | 0.0430000015                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0370000005                                 | 0.0370000005                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0370000005                                 | 0.0370000005                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000390000001                               | 0.000390000001 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 9.99999975e-005                              | 5.94999983e-005 ± 0.0625     | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0390000008                                 | 0.0390000008                 | ✔      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.52 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0719999969                  |
| EstRFF_Ohm_M_f32                        | 0.115523502                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0350000001                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000239999994                |
| k_MaxLqRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MaxRRngLmt_Ohm_f32                    | 0.0430000015                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0379999988                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000260000001                |
| k_MinLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MinRRngLmt_Ohm_f32                    | 0.0549999997                  |
| k_NomLd_Henry_f32                       | 0.000250000012                |
| k_NomLq_Henry_f32                       | 0.000220000002                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTbIX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTbIX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTbIX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12800       |
| t_KeSatTbIX_Amp_u9p7[10]                | 14080       |
| t_KeSatTbIX_Amp_u9p7[11]                | 15360       |
| t_KeSatTbIX_Amp_u9p7[12]                | 16640       |
| t_KeSatTbIX_Amp_u9p7[13]                | 17920       |
| t_KeSatTbIX_Amp_u9p7[14]                | 19200       |
| t_KeSatTbIX_Amp_u9p7[15]                | 20480       |
| t_KeSatTbIY_Uls_u2p14[0]                | 2130        |
| t_KeSatTbIY_Uls_u2p14[1]                | 2294        |
| t_KeSatTbIY_Uls_u2p14[2]                | 2458        |
| t_KeSatTbIY_Uls_u2p14[3]                | 1966        |
| t_KeSatTbIY_Uls_u2p14[4]                | 2785        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 34.2887993                                   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 31.302                                       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0379999988                                 | 0.0379999988                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0379999988                                 | 0.0379999988                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000260000001                               | 0.000260000001 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 2.99999992e-005                              | 2.99999992e-005 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0430000015                                 | 0.0430000015                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntpIVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntpIVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.53 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0729999989                  |
| EstRFF_Ohm_M_f32                        | 0.119785666                   |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0260000005                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0270000007                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0359999985                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000250000012                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0469999984                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0390000008                  |
| k_MinLdRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MinLqRngLmt_Henry_f32                 | 0.000239999994                |
| k_MinRRngLmt_Ohm_f32                    | 0.0590000004                  |
| k_NomLd_Henry_f32                       | 0.000260000001                |
| k_NomLq_Henry_f32                       | 0.000230000005                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 8960        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 10240       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 11520       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 12800       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 14080       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 15360       |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 16640  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 17920  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 19200  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 20480  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 21760  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 23040  |                              |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 25600  |                              |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                              |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                              |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                              |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                              |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                              |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                              |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                              |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                              |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                              |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                              |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                              |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                              |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                              |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                              |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                              |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                              |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                              |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                              |        |
| t_KeSatTblY_Uls_u2p14[2]   | 6554   |                              |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                              |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                              |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2784   |                              |        |
| t_KeSatTblY_Uls_u2p14[6]   | 4096   |                              |        |
| t_KeSatTblY_Uls_u2p14[7]   | 5734   |                              |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                              |        |
| t_KeSatTblY_Uls_u2p14[9]   | 7373   |                              |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                              |        |
| t_KeSatTblY_Uls_u2p14[11]  | 9011   |                              |        |
| t_KeSatTblY_Uls_u2p14[12]  | 10650  |                              |        |
| t_KeSatTblY_Uls_u2p14[13]  | 12288  |                              |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13926  |                              |        |
| t_KeSatTblY_Uls_u2p14[15]  | 15565  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 37.2756004                                   |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 34.2887993                                   |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0260000005                                 | 0.0260000005                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0390000008                                 | 0.0390000008                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0390000008                                 | 0.0390000008                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.00026999999                                | 0.00026999999 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000239999994                               | 0.000239999994 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0469999984                                 | 0.0469999984                 | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.54 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.074000001  |
| EstRFF_Ohm_M_f32                  | 0.0113120005 |
| FastDataAccessBufIndex_Cnt_M_u16  | 0            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0280000009 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0289999992 |

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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0370000005                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000199999995                |
| k_MaxLqRngLmt_Henry_f32                 | 3.9999999e-005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.050999999                   |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0399999991                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinLqRngLmt_Henry_f32                 | 0.000250000012                |
| k_MinRRngLmt_Ohm_f32                    | 0.063000001                   |
| k_NomLd_Henry_f32                       | 0.00026999999                 |
| k_NomLq_Henry_f32                       | 0.000239999994                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1280                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2560                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 3840                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5120                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 6400                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 7680                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 24320                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 25600                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 26880                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 27008                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 27136                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 16000                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 640                                      |
| t_KeSatTbIX_Amp_u9p7[1]  | 1920                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 3200                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 4480                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 5760                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 8320                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 9600                                     |
| t_KeSatTbIX_Amp_u9p7[8]  | 10880                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 12160                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 13440                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469                                    |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107                                    |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746                                    |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | 40.2624016                               |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | 37.2756004                               |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0280000009                                 | 0.0280000009                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0399999991                                 | 0.0399999991                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0399999991                                 | 0.0399999991                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 3.9999999e-005                               | 3.9999999e-005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.063000001                                  | 0.063000001                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.55 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0540000014                  |
| EstRFF_Ohm_M_f32                        | 0.0125634                     |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0299999993                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0309999995                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0379999988                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.00026999999                 |
| k_MaxLqRngLmt_Henry_f32                 | 0.000190000006                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0549999997                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0410000011                  |
| k_MinLdRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.000260000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.0670000017                  |
| k_NomLd_Henry_f32                       | 0.000280000007                |
| k_NomLq_Henry_f32                       | 0.000250000012                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1280        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2560        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3840        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5120        |
| t_KeSatTblX_Amp_u9p7[4]                 | 6400        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7680        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8960        |
| t_KeSatTblX_Amp_u9p7[7]                 | 10240       |
| t_KeSatTblX_Amp_u9p7[8]                 | 11520       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12800       |



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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 14080  |
| t_KeSatTbIX_Amp_u9p7[11]   | 15360  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16640  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17920  |
| t_KeSatTbIX_Amp_u9p7[14]   | 19200  |
| t_KeSatTbIX_Amp_u9p7[15]   | 20480  |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294   |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | 43.2491989                                   |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 40.2624016                                   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value             | Result |
|--|----------------|----------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 1              | 1                          | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0299999993   | 0.0299999993               | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.0410000011   | 0.0410000011               | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0410000011   | 0.0410000011               | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000218613292 | 0.000218613 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000190000006 | 0.000190000006 ± 0.0625    | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0670000017   | 0.0670000017               | ✓      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.56 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0549999997                  |
| EstRFF_Ohm_M_f32                        | 0.0134234                     |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0410000011                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0450000018                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0390000008                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000199999995                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0590000004                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0419999994                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MinLqRngLmt_Henry_f32                 | 0.000269999999                |
| k_MinRRngLmt_Ohm_f32                    | 0.0710000023                  |
| k_NomLd_Henry_f32                       | 0.000289999996                |
| k_NomLq_Henry_f32                       | 0.000260000001                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatScIFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatScIFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 8960   |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 10240  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 11520  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 14080  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 15360  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1408   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2816   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 4224   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5632   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 7040   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 8448   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 9856   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 11264  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 12672  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 20480  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 21760  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 4096   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 5734   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 7373   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 9011   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 10650  |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 12288  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13926  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 15565  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -156.324997                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | 43.2491989                                   |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0410000011                                 | 0.0410000011                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0419999994                                 | 0.0419999994                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0419999994                                 | 0.0419999994                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000199999995                               | 0.000199999995 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0710000023                                 | 0.0710000023                  | ✔      |

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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.57 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0560000017                  |
| EstRFF_Ohm_M_f32                        | 0.0144124003                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0430000015                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0710000023                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0399999991                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000209999998                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0630000001                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0430000015                  |
| k_MinLdRngLmt_Henry_f32                 | 9.99999975e-005               |
| k_MinLqRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinRRngLmt_Ohm_f32                    | 0.0750000003                  |
| k_NomLd_Henry_f32                       | 0.000300000014                |
| k_NomLq_Henry_f32                       | 0.000269999999                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTblX_Amp_u9p7[0]                 | 640         |
| t_KeSatTblX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTblX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTblX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTblX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTblX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTblX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTblX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTblX_Amp_u9p7[9]                 | 12160       |
| t_KeSatTblX_Amp_u9p7[10]                | 13440       |
| t_KeSatTblX_Amp_u9p7[11]                | 14720       |
| t_KeSatTblX_Amp_u9p7[12]                | 16000       |
| t_KeSatTblX_Amp_u9p7[13]                | 17280       |
| t_KeSatTblX_Amp_u9p7[14]                | 18560       |
| t_KeSatTblX_Amp_u9p7[15]                | 19840       |
| t_KeSatTblY_Uls_u2p14[0]                | 1966        |
| t_KeSatTblY_Uls_u2p14[1]                | 2130        |
| t_KeSatTblY_Uls_u2p14[2]                | 2294        |
| t_KeSatTblY_Uls_u2p14[3]                | 1802        |
| t_KeSatTblY_Uls_u2p14[4]                | 2621        |

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| Name   | Input Value                                  |                              |        |
|--|--|------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2785   |                              |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3277   |                              |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 4915   |                              |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |                              |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 6554   |                              |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1638   |                              |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 8192   |                              |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 9830   |                              |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 11469  |                              |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 13107  |                              |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 14746  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -160.365005                                  |                              |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -156.324997                                  |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                              |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                              |        |
| Name   | Actual Value                                 | Expected Value               | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                            | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0399999991                                 | 0.0399999991                 | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0710000023                                 | 0.0710000023                 | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0399999991                                 | 0.0399999991                 | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000209999998                               | 0.000209999998 ± 0.0625      | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.075000003                                  | 0.075000003                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntpIVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntpIVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.58 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.057                         |
| EstRFF_Ohm_M_f32                        | 0.0156346001                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0649999976                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0689999983                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0410000011                  |
| k_MaxLdRngLmt_Henry_f32                 | 2.99999992e-005               |
| k_MaxLqRngLmt_Henry_f32                 | 0.000220000002                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0670000017                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0439999998                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MinLqRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinRRngLmt_Ohm_f32                    | 0.0790000036                  |
| k_NomLd_Henry_f32                       | 0.000310000003                |
| k_NomLq_Henry_f32                       | 0.000280000007                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 24320       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 25600       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 26880       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 27008       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 27136       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 16000       |



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| Name   | Input Value                                  |                                |        |
|--|--|--------------------------------|--------|
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 16640  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 17920  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 19200  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 20480  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 21760  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 23040  |                                |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 25600  |                                |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                                |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                                |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                                |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                                |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                                |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                                |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                                |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                                |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                                |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                                |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                                |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                                |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                                |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                                |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                                |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                                |        |
| t_KeSatTblY_Uls_u2p14[0]   | 4915   |                                |        |
| t_KeSatTblY_Uls_u2p14[1]   | 6554   |                                |        |
| t_KeSatTblY_Uls_u2p14[2]   | 8192   |                                |        |
| t_KeSatTblY_Uls_u2p14[3]   | 3277   |                                |        |
| t_KeSatTblY_Uls_u2p14[4]   | 11469  |                                |        |
| t_KeSatTblY_Uls_u2p14[5]   | 13107  |                                |        |
| t_KeSatTblY_Uls_u2p14[6]   | 14746  |                                |        |
| t_KeSatTblY_Uls_u2p14[7]   | 1802   |                                |        |
| t_KeSatTblY_Uls_u2p14[8]   | 9830   |                                |        |
| t_KeSatTblY_Uls_u2p14[9]   | 1966   |                                |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                                |        |
| t_KeSatTblY_Uls_u2p14[11]  | 2130   |                                |        |
| t_KeSatTblY_Uls_u2p14[12]  | 2294   |                                |        |
| t_KeSatTblY_Uls_u2p14[13]  | 2458   |                                |        |
| t_KeSatTblY_Uls_u2p14[14]  | 2621   |                                |        |
| t_KeSatTblY_Uls_u2p14[15]  | 2785   |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -164.404999                                  |                                |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -160.365005                                  |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                                |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                                |        |
| Name   | Actual Value                                 | Expected Value                 | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                              | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0439999998                                 | 0.0439999998                   | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0689999983                                 | 0.0689999983                   | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0439999998                                 | 0.0439999998                   | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 2.99999992e-005                              | 2.99999992e-005 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0625        | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0790000036                                 | 0.0790000036                   | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.59 (Repeat Count = 1) |              |
|-----------------------------------|--------------|
| Name                              | Input Value  |
| EstKeFF_VpRadpS_M_f32             | 0.0579999983 |
| EstRFF_Ohm_M_f32                  | 0.0166560002 |
| FastDataAccessBufIndex_Cnt_M_u16  | 1            |
| MtrEstKe_VpRadpS_M_f32[0]         | 0.0340000018 |
| MtrEstKe_VpRadpS_M_f32[1]         | 0.0689999983 |



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| Name                                    | Input Value                   |
|---|-------------------------------|
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0419999994                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000410000008                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000230000005                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0710000023                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0450000018                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MinLqRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinRRngLmt_Ohm_f32                    | 0.0829999968                  |
| k_NomLd_Henry_f32                       | 0.000319999992                |
| k_NomLq_Henry_f32                       | 0.000289999996                |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatScIFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatScIFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLqSatScIFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLqSatScIFac_Uls_u2p14[2][5] | 31949                         |

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| Name   | Input Value                              |
|--|--|
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6]                            | 32768                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5]                            | 29491                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6]                            | 31130                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0]                            | 1638                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1]                            | 3277                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2]                            | 4915                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3]                            | 6554                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4]                            | 8192                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5]                            | 9830                                     |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6]                            | 11469                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0]                            | 13107                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1]                            | 14746                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                            | 16384                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                            | 18022                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                            | 19661                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                            | 21299                                    |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                            | 22938                                    |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                  | 1280                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                  | 2560                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                  | 3840                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                  | 5120                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                  | 6400                                     |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                  | 7680                                     |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                  | 24320                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                  | 25600                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                  | 26880                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                  | 27008                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                  | 27136                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                  | 16000                                    |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                  | 17280                                    |
| t_KeSatTbIX_Amp_u9p7[0]  | 1408                                     |
| t_KeSatTbIX_Amp_u9p7[1]  | 2816                                     |
| t_KeSatTbIX_Amp_u9p7[2]  | 4224                                     |
| t_KeSatTbIX_Amp_u9p7[3]  | 5632                                     |
| t_KeSatTbIX_Amp_u9p7[4]  | 7040                                     |
| t_KeSatTbIX_Amp_u9p7[5]  | 8448                                     |
| t_KeSatTbIX_Amp_u9p7[6]  | 9856                                     |
| t_KeSatTbIX_Amp_u9p7[7]  | 11264                                    |
| t_KeSatTbIX_Amp_u9p7[8]  | 12672                                    |
| t_KeSatTbIX_Amp_u9p7[9]  | 14080                                    |
| t_KeSatTbIX_Amp_u9p7[10]   | 15360                                    |
| t_KeSatTbIX_Amp_u9p7[11]   | 16640                                    |
| t_KeSatTbIX_Amp_u9p7[12]   | 17920                                    |
| t_KeSatTbIX_Amp_u9p7[13]   | 19200                                    |
| t_KeSatTbIX_Amp_u9p7[14]   | 20480                                    |
| t_KeSatTbIX_Amp_u9p7[15]   | 21760                                    |
| t_KeSatTbIY_Uls_u2p14[0]   | 2130                                     |
| t_KeSatTbIY_Uls_u2p14[1]   | 2294                                     |
| t_KeSatTbIY_Uls_u2p14[2]   | 2458                                     |
| t_KeSatTbIY_Uls_u2p14[3]   | 1966                                     |
| t_KeSatTbIY_Uls_u2p14[4]   | 2785                                     |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949                                     |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113                                     |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277                                     |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621                                     |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441                                     |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802                                     |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604                                     |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768                                     |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932                                     |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096                                     |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260                                     |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                 | -168.445007                              |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                 | -164.404999                              |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32 | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32   | tgt_CurrParamComp_Per1_EstLd_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32   | tgt_CurrParamComp_Per1_EstLq_Henry_f32   |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32      | tgt_CurrParamComp_Per1_EstR_Ohm_f32      |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0450000018                                 | 0.0450000018                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0689999983                                 | 0.0689999983                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0450000018                                 | 0.0450000018                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000230000005                               | 0.000230000005 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0829999968                                 | 0.0829999968                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

| Test Step 2.60 (Repeat Count = 1)       |                               |
|---|-------------------------------|
| Name                                    | Input Value                   |
| EstKeFF_VpRadpS_M_f32                   | 0.0590000004                  |
| EstRFF_Ohm_M_f32                        | 0.0176344998                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0549999997                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.00899999961                 |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0430000015                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000199999995                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000239999994                |
| k_MaxRRngLmt_Ohm_f32                    | 0.075000003                   |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0460000001                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000300000014                |
| k_MinLqRngLmt_Henry_f32                 | 0.000310000003                |
| k_MinRRngLmt_Ohm_f32                    | 0.0869999975                  |
| k_NomLd_Henry_f32                       | 0.00033000001                 |
| k_NomLq_Henry_f32                       | 0.000300000014                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1280        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2560        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 3840        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5120        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 6400        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 7680        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 8960        |
| t_KeSatTbIX_Amp_u9p7[0]                 | 640         |
| t_KeSatTbIX_Amp_u9p7[1]                 | 1920        |
| t_KeSatTbIX_Amp_u9p7[2]                 | 3200        |
| t_KeSatTbIX_Amp_u9p7[3]                 | 4480        |
| t_KeSatTbIX_Amp_u9p7[4]                 | 5760        |
| t_KeSatTbIX_Amp_u9p7[5]                 | 7040        |
| t_KeSatTbIX_Amp_u9p7[6]                 | 8320        |
| t_KeSatTbIX_Amp_u9p7[7]                 | 9600        |
| t_KeSatTbIX_Amp_u9p7[8]                 | 10880       |
| t_KeSatTbIX_Amp_u9p7[9]                 | 12160       |

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| Name   | Input Value                                  |
|--|--|
| t_KeSatTbIX_Amp_u9p7[10]   | 13440  |
| t_KeSatTbIX_Amp_u9p7[11]   | 14720  |
| t_KeSatTbIX_Amp_u9p7[12]   | 16000  |
| t_KeSatTbIX_Amp_u9p7[13]   | 17280  |
| t_KeSatTbIX_Amp_u9p7[14]   | 18560  |
| t_KeSatTbIX_Amp_u9p7[15]   | 19840  |
| t_KeSatTbIY_Uls_u2p14[0]   | 1966   |
| t_KeSatTbIY_Uls_u2p14[1]   | 2130   |
| t_KeSatTbIY_Uls_u2p14[2]   | 6554   |
| t_KeSatTbIY_Uls_u2p14[3]   | 1802   |
| t_KeSatTbIY_Uls_u2p14[4]   | 2621   |
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |
| t_KeSatTbIY_Uls_u2p14[6]   | 4096   |
| t_KeSatTbIY_Uls_u2p14[7]   | 5734   |
| t_KeSatTbIY_Uls_u2p14[8]   | 2458   |
| t_KeSatTbIY_Uls_u2p14[9]   | 7373   |
| t_KeSatTbIY_Uls_u2p14[10]  | 8192   |
| t_KeSatTbIY_Uls_u2p14[11]  | 9011   |
| t_KeSatTbIY_Uls_u2p14[12]  | 10650  |
| t_KeSatTbIY_Uls_u2p14[13]  | 12288  |
| t_KeSatTbIY_Uls_u2p14[14]  | 13926  |
| t_KeSatTbIY_Uls_u2p14[15]  | 15565  |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -172.485001                                  |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -168.445007                                  |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |

| Name   | Actual Value   | Expected Value                 | Result |
|--|----------------|--------------------------------|--------|
| FastDataAccessBufIndex_Cnt_M_u16               | 0              | 0                              | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]                      | 0.0430000015   | 0.0430000015                   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]                      | 0.00899999961  | 0.00899999961                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value | 0.0430000015   | 0.0430000015                   | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value   | 0.000199999995 | 0.000199999995 ± 0.00000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value   | 0.000239999994 | 0.000239999994 ± 0.0625        | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value      | 0.0869999975   | 0.0869999975                   | ✓      |

## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.61 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0599999987                  |
| EstRFF_Ohm_M_f32                        | 0.0186745599                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 0                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.670000017                   |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.680000007                   |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0439999998                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000280000007                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000250000012                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0790000036                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0469999984                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000310000003                |
| k_MinLqRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinRRngLmt_Ohm_f32                    | 0.0909999982                  |
| k_NomLd_Henry_f32                       | 0.000339999999                |
| k_NomLq_Henry_f32                       | 0.000310000003                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |

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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2]                                | 16384  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3]                                | 18022  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4]                                | 19661  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5]                                | 21299  |                               |        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6]                                | 22938  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[0]                                      | 8960   |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[1]                                      | 10240  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[2]                                      | 11520  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[3]                                      | 12800  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[4]                                      | 14080  |                               |        |
| t_CurrParamCompDaxRef_Amp_u9p7[5]                                      | 15360  |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[0]                                      | 1280   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]                                      | 2560   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]                                      | 3840   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]                                      | 5120   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]                                      | 6400   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]                                      | 7680   |                               |        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]                                      | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[0]  | 1280   |                               |        |
| t_KeSatTblX_Amp_u9p7[1]  | 2560   |                               |        |
| t_KeSatTblX_Amp_u9p7[2]  | 3840   |                               |        |
| t_KeSatTblX_Amp_u9p7[3]  | 5120   |                               |        |
| t_KeSatTblX_Amp_u9p7[4]  | 6400   |                               |        |
| t_KeSatTblX_Amp_u9p7[5]  | 7680   |                               |        |
| t_KeSatTblX_Amp_u9p7[6]  | 8960   |                               |        |
| t_KeSatTblX_Amp_u9p7[7]  | 10240  |                               |        |
| t_KeSatTblX_Amp_u9p7[8]  | 11520  |                               |        |
| t_KeSatTblX_Amp_u9p7[9]  | 12800  |                               |        |
| t_KeSatTblX_Amp_u9p7[10]   | 14080  |                               |        |
| t_KeSatTblX_Amp_u9p7[11]   | 15360  |                               |        |
| t_KeSatTblX_Amp_u9p7[12]   | 16640  |                               |        |
| t_KeSatTblX_Amp_u9p7[13]   | 17920  |                               |        |
| t_KeSatTblX_Amp_u9p7[14]   | 19200  |                               |        |
| t_KeSatTblX_Amp_u9p7[15]   | 20480  |                               |        |
| t_KeSatTblY_Uls_u2p14[0]   | 1966   |                               |        |
| t_KeSatTblY_Uls_u2p14[1]   | 2130   |                               |        |
| t_KeSatTblY_Uls_u2p14[2]   | 2294   |                               |        |
| t_KeSatTblY_Uls_u2p14[3]   | 1802   |                               |        |
| t_KeSatTblY_Uls_u2p14[4]   | 2621   |                               |        |
| t_KeSatTblY_Uls_u2p14[5]   | 2785   |                               |        |
| t_KeSatTblY_Uls_u2p14[6]   | 3277   |                               |        |
| t_KeSatTblY_Uls_u2p14[7]   | 4915   |                               |        |
| t_KeSatTblY_Uls_u2p14[8]   | 2458   |                               |        |
| t_KeSatTblY_Uls_u2p14[9]   | 6554   |                               |        |
| t_KeSatTblY_Uls_u2p14[10]  | 1638   |                               |        |
| t_KeSatTblY_Uls_u2p14[11]  | 8192   |                               |        |
| t_KeSatTblY_Uls_u2p14[12]  | 9830   |                               |        |
| t_KeSatTblY_Uls_u2p14[13]  | 11469  |                               |        |
| t_KeSatTblY_Uls_u2p14[14]  | 13107  |                               |        |
| t_KeSatTblY_Uls_u2p14[15]  | 14746  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -176.524994                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -172.485001                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f3: | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 1  | 1                             | ✓      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.670000017                                  | 0.670000017                   | ✓      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0439999998                                 | 0.0439999998                  | ✓      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0439999998                                 | 0.0439999998                  | ✓      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000280000007                               | 0.000280000007 ± 0.0000000009 | ✓      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000250000012                               | 0.000250000012 ± 0.0625       | ✓      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0909999982                                 | 0.0909999982                  | ✓      |



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## Test Step Call Trace

| Actual Function                                   | Count | Expected Function                                 | Count | Result |
|---|-------|---|-------|--------|
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |

## Test Step 2.62 (Repeat Count = 1)

| Name                                    | Input Value                   |
|---|-------------------------------|
| EstKeFF_VpRadpS_M_f32                   | 0.0610000007                  |
| EstRFF_Ohm_M_f32                        | 0.0195234492                  |
| FastDataAccessBufIndex_Cnt_M_u16        | 1                             |
| MtrEstKe_VpRadpS_M_f32[0]               | 0.0489999987                  |
| MtrEstKe_VpRadpS_M_f32[1]               | 0.0649999976                  |
| Rte_Inst_Ap_CurrParamComp               | tgt_Rte_Inst_Ap_CurrParamComp |
| k_MaxKeRngLmt_VpRadpS_f32               | 0.0450000018                  |
| k_MaxLdRngLmt_Henry_f32                 | 0.000289999996                |
| k_MaxLqRngLmt_Henry_f32                 | 0.000260000001                |
| k_MaxRRngLmt_Ohm_f32                    | 0.0829999968                  |
| k_MinKeRngLmt_VpRadpS_f32               | 0.0480000004                  |
| k_MinLdRngLmt_Henry_f32                 | 0.000319999992                |
| k_MinLqRngLmt_Henry_f32                 | 0.000330000001                |
| k_MinRRngLmt_Ohm_f32                    | 0.0949999988                  |
| k_NomLd_Henry_f32                       | 0.000349999988                |
| k_NomLq_Henry_f32                       | 0.000319999992                |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[0][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[1][6] | 22938                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][0] | 24576                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][1] | 26214                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][2] | 27853                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][3] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][4] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][5] | 31949                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[2][6] | 32768                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][0] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][1] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][2] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][3] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][4] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][5] | 29491                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[3][6] | 31130                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][0] | 1638                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][1] | 3277                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][2] | 4915                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][3] | 6554                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][4] | 8192                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][5] | 9830                          |
| t2_CurrParamLdSatSciFac_Uls_u2p14[4][6] | 11469                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][0] | 13107                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][1] | 14746                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][2] | 16384                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][3] | 18022                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][4] | 19661                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][5] | 21299                         |
| t2_CurrParamLdSatSciFac_Uls_u2p14[5][6] | 22938                         |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][0] | 1638                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][1] | 3277                          |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][2] | 4915                          |



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| Name                                    | Input Value |
|---|-------------|
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[0][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[1][6] | 22938       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][0] | 24576       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][1] | 26214       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][2] | 27853       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][3] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][4] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][5] | 31949       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[2][6] | 32768       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][0] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][1] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][2] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][3] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][4] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][5] | 29491       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[3][6] | 31130       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][0] | 1638        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][1] | 3277        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][2] | 4915        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][3] | 6554        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][4] | 8192        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][5] | 9830        |
| t2_CurrParamLqSatSciFac_Uls_u2p14[4][6] | 11469       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][0] | 13107       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][1] | 14746       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][2] | 16384       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][3] | 18022       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][4] | 19661       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][5] | 21299       |
| t2_CurrParamLqSatSciFac_Uls_u2p14[5][6] | 22938       |
| t_CurrParamCompDaxRef_Amp_u9p7[0]       | 16640       |
| t_CurrParamCompDaxRef_Amp_u9p7[1]       | 17920       |
| t_CurrParamCompDaxRef_Amp_u9p7[2]       | 19200       |
| t_CurrParamCompDaxRef_Amp_u9p7[3]       | 20480       |
| t_CurrParamCompDaxRef_Amp_u9p7[4]       | 21760       |
| t_CurrParamCompDaxRef_Amp_u9p7[5]       | 23040       |
| t_CurrParamCompQaxRef_Amp_u9p7[0]       | 1408        |
| t_CurrParamCompQaxRef_Amp_u9p7[1]       | 2816        |
| t_CurrParamCompQaxRef_Amp_u9p7[2]       | 4224        |
| t_CurrParamCompQaxRef_Amp_u9p7[3]       | 5632        |
| t_CurrParamCompQaxRef_Amp_u9p7[4]       | 7040        |
| t_CurrParamCompQaxRef_Amp_u9p7[5]       | 8448        |
| t_CurrParamCompQaxRef_Amp_u9p7[6]       | 9856        |
| t_KeSatTblX_Amp_u9p7[0]                 | 1408        |
| t_KeSatTblX_Amp_u9p7[1]                 | 2816        |
| t_KeSatTblX_Amp_u9p7[2]                 | 4224        |
| t_KeSatTblX_Amp_u9p7[3]                 | 5632        |
| t_KeSatTblX_Amp_u9p7[4]                 | 7040        |
| t_KeSatTblX_Amp_u9p7[5]                 | 8448        |
| t_KeSatTblX_Amp_u9p7[6]                 | 9856        |
| t_KeSatTblX_Amp_u9p7[7]                 | 11264       |
| t_KeSatTblX_Amp_u9p7[8]                 | 12672       |
| t_KeSatTblX_Amp_u9p7[9]                 | 14080       |
| t_KeSatTblX_Amp_u9p7[10]                | 15360       |
| t_KeSatTblX_Amp_u9p7[11]                | 16640       |
| t_KeSatTblX_Amp_u9p7[12]                | 17920       |
| t_KeSatTblX_Amp_u9p7[13]                | 19200       |
| t_KeSatTblX_Amp_u9p7[14]                | 20480       |
| t_KeSatTblX_Amp_u9p7[15]                | 21760       |
| t_KeSatTblY_Uls_u2p14[0]                | 2130        |
| t_KeSatTblY_Uls_u2p14[1]                | 2294        |
| t_KeSatTblY_Uls_u2p14[2]                | 2458        |
| t_KeSatTblY_Uls_u2p14[3]                | 1966        |
| t_KeSatTblY_Uls_u2p14[4]                | 2785        |

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| Name   | Input Value                                  |                               |        |
|--|--|-------------------------------|--------|
| t_KeSatTbIY_Uls_u2p14[5]   | 2949   |                               |        |
| t_KeSatTbIY_Uls_u2p14[6]   | 3113   |                               |        |
| t_KeSatTbIY_Uls_u2p14[7]   | 3277   |                               |        |
| t_KeSatTbIY_Uls_u2p14[8]   | 2621   |                               |        |
| t_KeSatTbIY_Uls_u2p14[9]   | 3441   |                               |        |
| t_KeSatTbIY_Uls_u2p14[10]  | 1802   |                               |        |
| t_KeSatTbIY_Uls_u2p14[11]  | 3604   |                               |        |
| t_KeSatTbIY_Uls_u2p14[12]  | 3768   |                               |        |
| t_KeSatTbIY_Uls_u2p14[13]  | 3932   |                               |        |
| t_KeSatTbIY_Uls_u2p14[14]  | 4096   |                               |        |
| t_KeSatTbIY_Uls_u2p14[15]  | 4260   |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32.value                     | -180.565002                                  |                               |        |
| tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32.value                     | -176.524994                                  |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstKe_VpRadpS_f32     | tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32     |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLd_Henry_f32       | tgt_CurrParamComp_Per1_EstLd_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstLq_Henry_f32       | tgt_CurrParamComp_Per1_EstLq_Henry_f32       |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_EstR_Ohm_f32          | tgt_CurrParamComp_Per1_EstR_Ohm_f32          |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrDaxRef_Amp_f32 |                               |        |
| tgt_Rte_Inst_Ap_CurrParamComp.CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 | tgt_CurrParamComp_Per1_MtrCurrQaxRef_Amp_f32 |                               |        |
| Name   | Actual Value                                 | Expected Value                | Result |
| FastDataAccessBufIndex_Cnt_M_u16                                       | 0  | 0                             | ✔      |
| MtrEstKe_VpRadpS_M_f32[0]  | 0.0480000004                                 | 0.0480000004                  | ✔      |
| MtrEstKe_VpRadpS_M_f32[1]  | 0.0649999976                                 | 0.0649999976                  | ✔      |
| tgt_CurrParamComp_Per1_EstKe_VpRadpS_f32.value                         | 0.0480000004                                 | 0.0480000004                  | ✔      |
| tgt_CurrParamComp_Per1_EstLd_Henry_f32.value                           | 0.000289999996                               | 0.000289999996 ± 0.0000000009 | ✔      |
| tgt_CurrParamComp_Per1_EstLq_Henry_f32.value                           | 0.000260000001                               | 0.000260000001 ± 0.0625       | ✔      |
| tgt_CurrParamComp_Per1_EstR_Ohm_f32.value                              | 0.0949999988                                 | 0.0949999988                  | ✔      |

| Test Step Call Trace                              |       |   |       |        |
|---|-------|---|-------|--------|
| Actual Function                                   | Count | Expected Function                                 | Count | Result |
| Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP0_CheckpointReached | 1     | ✓      |
| IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | IntplVarXY_u16_u16Xu16Y_Cnt                       | 1     | ✓      |
| BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | BilinearXYM_u16_u16Xu16YM_Cnt                     | 2     | ✓      |
| Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | Rte_Call_CurrParamComp_Per1_CP1_CheckpointReached | 1     | ✓      |