Summary

Total Test Objects:	5
Successful:	3
Failed:	2
Not Executed:	0
Date:	2015-01-14
Time:	13:46:28+0530

Overall Test Object Results (including Coverage)

- OK
- Not Executed
- Not OK
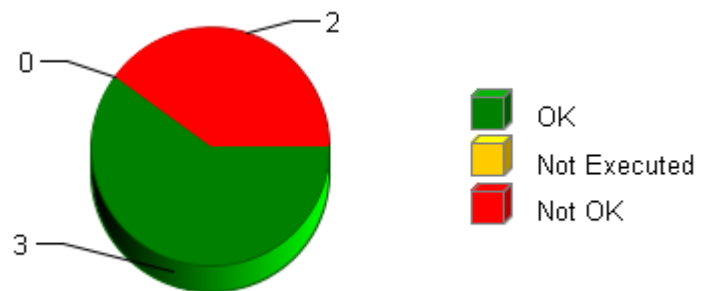
Selected Project Items

Test Object "CBD_UnitTest/DigPhsReasDiag/DigPhsReasDiag_Init"
Test Object "CBD_UnitTest/DigPhsReasDiag/DigPhsReasDiag_Per1"
Test Object "CBD_UnitTest/DigPhsReasDiag/DigPhsReasDiag_Trans1"
Test Object "CBD_UnitTest/DigPhsReasDiag/PhaseGroundTabLookupoffset"
Test Object "CBD_UnitTest/DigPhsReasDiag/Read_CountToRev"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

Check Interface:	No
Generate Driver:	Yes
Execute Test:	Yes
Create New Test Run:	No
Instrumentation:	Test Object Only
Coverage:	Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)

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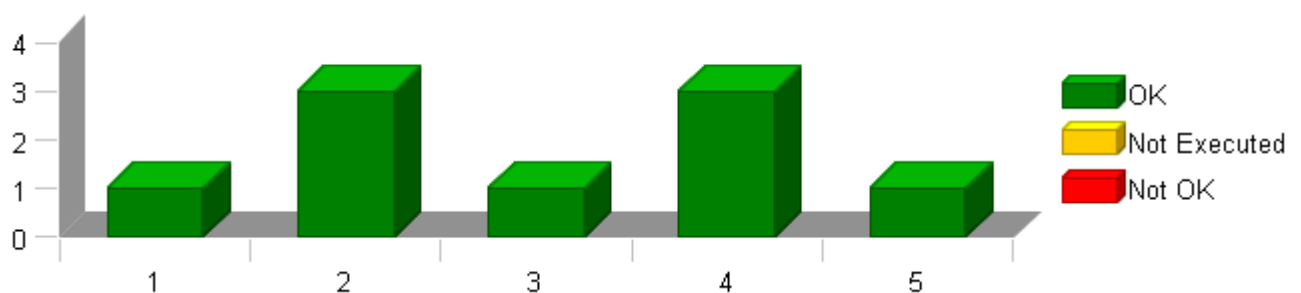
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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

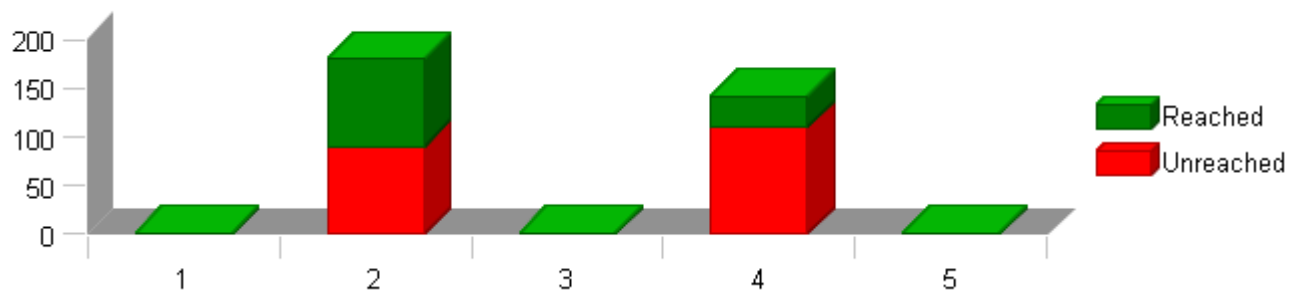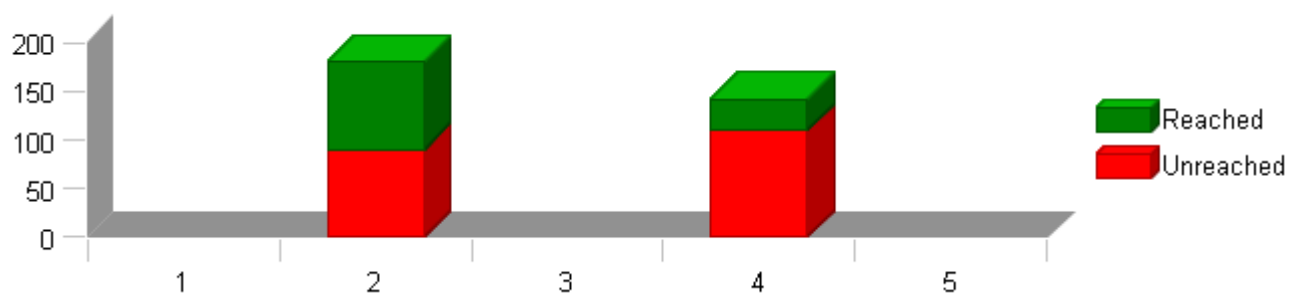## Statement (C0) Coverage: Total Statements for Each Test Object
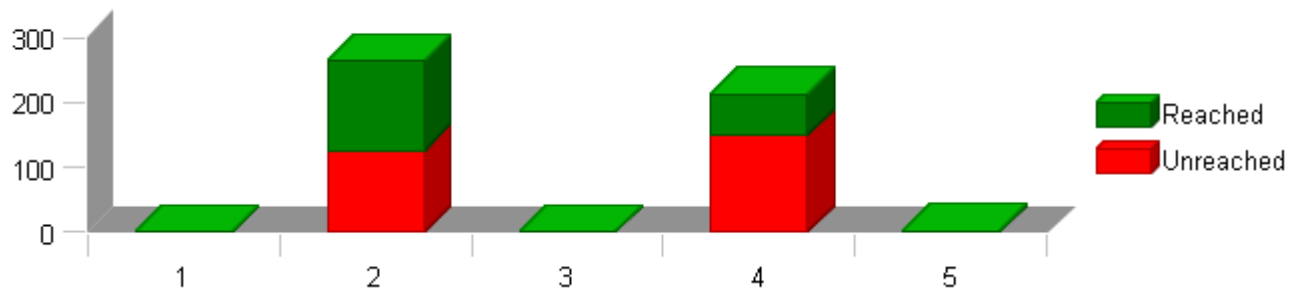
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

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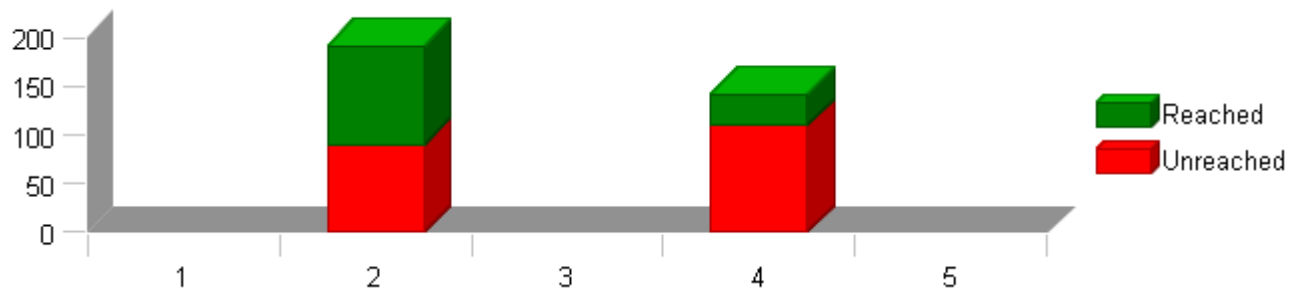
Decision Coverage: Total Decision Outcomes for Each Test Object

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

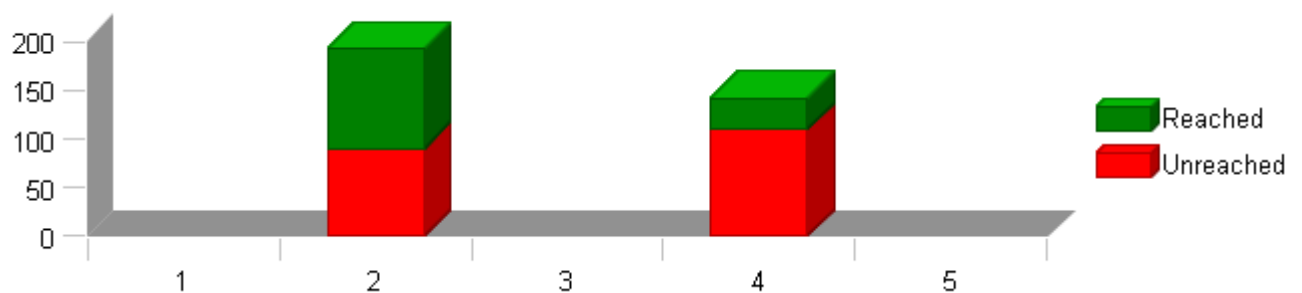Each bar is divided into reached and unreached decision outcomes.

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

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

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

MCC Coverage: Total Condition Combinations for Each Test Object

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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	CBD_SVDiag	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	☒
	CBD_UnitTest	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	☒
	DigPhsReasDiag	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	☒
1	DigPhsReasDiag_Init	100 %	100 %	-	-	-	1 of 1 passed	✔
2	DigPhsReasDiag_Per1	52.27 %	50 %	50 %	53.12 %	53.36 %	3 of 3 passed	☒
3	DigPhsReasDiag_Trans1	100 %	100 %	-	-	-	1 of 1 passed	✔
4	PhaseGroundTabLookupoffset	29.57 %	22.53 %	22.53 %	22.53 %	22.53 %	3 of 3 passed	☒
5	Read_CountToRev	100 %	100 %	-	-	-	1 of 1 passed	✔

Project	CBD_SVDiag
Module	DigPhsReasDiag
Test Object	PhaseGroundTabLookupoffset

Instrumentation: Test Object Only

Statement (C0) Coverage	**29.57 %**
Decision Coverage	**22.53 %**
Branch (C1) Coverage	**22.53 %**
MCC Coverage	**22.53 %**
MC/DC Coverage	**22.53 %**

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

Test Case 1: Metrics Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 35.00 Cycles TS1.2 53.00 Cycles
Description	Vector Description:

TS1.1 "Shortest Execution Path: (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) =True"
TS1.2 "Longest Execution Path: (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) = False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✔

Test Case 2: Boundary Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS2.1 53.00 Cycles TS2.2 35.00 Cycles
Description	Vector Description: TS2.1 MtrElecMechPol_Cnt_T_s08=Min TS2.2 MtrElecMechPol_Cnt_T_s08=Max

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	✔

Test Case 3: Path Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS3.1 35.00 Cycles TS3.2 53.00 Cycles
Description	Vector Description: TS3.1 (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) =True TS3.2 (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) = False

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	✔

Test Step 3.2 (Repeat Count = 1) ✔

Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		

Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	✔
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✔
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✔

Project	CBD_SVDiag
Module	DigPhsReasDiag
Test Object	DigPhsReasDiag_Init

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\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\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	$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(PROJECTROOT)\SVDiag\utp\contract -I$(PROJECTROOT)\SVDiag\utp\contract\Ap_DigPhsReasDiag -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'DigPhsReasDiag'	******************************Unit Test Description*** Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_DigPhsReasDiag.c Code File(s) Version: 14 Module Design Document: DigPhsReasDiag_MDD.docx Module Design Document Version: 16 Data Dictionary Version: 11 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 1788 Total RAM Used (Bytes): 80 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date: 01-14-2015 Comments:"Note: 1)Inline functions defined in ""Globalmacro.h"" are not unit tested. 2)100% coverage cannot be achieved in ""DigPhsReasDiag_Per1"" function due to ""FPM_Fix_m"" macro usage. 3)In ""DigPhsReasDiag_Per1"" function, out of range value is given to ""ExpectedOnTimeA_Cnt_u32"" and ""MeasuredOnTimeA_Cnt_u32"" to cover ""HighResError_Cnt_T_s32[i] >= 262136"" and ""HighResError_Cnt_T_s32[i] >= -262136"" path in P 2.9 and P 2.10 respectively. 4)100% coverage cannot be achieved in ""PhaseGroundTabLookupoffset"" Function due to ""FPM_Fix_m"" macro usage. 5)""CBD_Sandbox_dbg.map"" map file is embedded for reference." **

Attributes	
Name	**Value**
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes	
Name	**Value**
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Boundary Test ✓

Specification
```
Performance Metrics (With "None"
Instrumentation and WithPS Environment)
CPU Cycles:

TS1.1 24.00 Cycles
TS1.2 24.00 Cycles
TS1.3 24.00 Cycles
TS1.4 24.00 Cycles
TS1.5 24.00 Cycles
TS1.6 24.00 Cycles
TS1.7 24.00 Cycles
TS1.8 24.00 Cycles
```

Description
Vector Description:
TS1.1 t_CommOffsetTblY_Cnt_u16[2]=Min
TS1.2 t_CommOffsetTblY_Cnt_u16[2]=Max
TS1.3 t_CommOffsetTblY_Cnt_u16[2]=Pos
TS1.4 k_LRPRCommOffsetMargin_Uls_f32 = Min
TS1.5 k_LRPRCommOffsetMargin_Uls_f32 = Max
TS1.6 k_LRPRCommOffsetMargin_Uls_f32 = Mid
TS1.7 All Min
TS1.8 All Max

Test Step 1.1 (Repeat Count = 1) ✓

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.95		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0	0 ± 1	✓

Test Step 1.2 (Repeat Count = 1) ✓

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000	72000 ± 1	✓

Test Step 1.3 (Repeat Count = 1) ✓

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.88		
t_CommOffsetTblY_Cnt_u16[0]	500		
t_CommOffsetTblY_Cnt_u16[1]	600		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15840	15840 ± 1	✓

Test Step 1.4 (Repeat Count = 1) ✓

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
t_CommOffsetTblY_Cnt_u16[0]	100		
t_CommOffsetTblY_Cnt_u16[1]	200		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2880	2880 ± 1	✓

Test Step 1.5 (Repeat Count = 1) ✓

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1.2		
t_CommOffsetTblY_Cnt_u16[0]	1000		
t_CommOffsetTblY_Cnt_u16[1]	1100		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43200	43200 ± 1	✓

Test Step 1.6 (Repeat Count = 1) ✔

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1		
t_CommOffsetTblY_Cnt_u16[0]	800		
t_CommOffsetTblY_Cnt_u16[1]	900		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	28800	28800 ± 1	✔

Test Step 1.7 (Repeat Count = 1) ✔

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0	0 ± 1	✔

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1.2		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
Name	**Actual Value**	**Expected Value**	**Result**
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	86400	86400 ± 1	✔

CBD_SVDiag	
DigPhsReasDiag	
Read_CountToRev	

100 %	
100 %	

	1	
	1	✓
	0	
	0	

	D:\Synergy_Work_Area\CBD_SVDiag
	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
	TI TMS 570 PLS UDE (Default)
	Unit Test
	$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
	-D_DATA_ACCESS= -Dconst= -Dstatic= -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(PROJECTROOT)\SVDiag\utp\contract -I$(PROJECTROOT)\SVDiag\utp\contract\Ap_DigPhsReasDiag -I$(Compiler Install Path)\include

Module 'DigPhsReasDiag'	*******************************Unit Test Description**
	Name of Tester: Madhuparna Duarah
	Code File(s) Under Test: Ap_DigPhsReasDiag.c
	Code File(s) Version: 14
	Module Design Document: DigPhsReasDiag_MDD.docx
	Module Design Document Version: 16
	Data Dictionary Version: 11
	Unit Test Plan Version: 2
	Optimization Level: Level 2
	Compiler (CodeGen) Version: TMS470_4.9.5
	Model Type: Excel Macro
	Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31
	Total FLASH Used (Bytes): 1788
	Total RAM Used (Bytes): 80
	Total CALS Used (Bytes): 50
	Special Test Requirements:
	Test Date: 01-14-2015
	Comments:"Note:
	1)Inline functions defined in ""Globalmacro.h"" are not unit tested.
	2)100% coverage cannot be achieved in ""DigPhsReasDiag_Per1"" function due to ""FPM_Fix_m"" macro usage.
	3)In ""DigPhsReasDiag_Per1"" function, out of range value is given to ""ExpectedOnTimeA_Cnt_u32"" and ""MeasuredOnTimeA_Cnt_u32"" to cover ""HighResError_Cnt_T_s32[i] >= 262136"" and ""HighResError_Cnt_T_s32[i] >= -262136"" path in P 2.9 and P 2.10 respectively.
	4)100% coverage cannot be achieved in ""PhaseGroundTabLookupoffset"" Function due to ""FPM_Fix_m"" macro usage.
	5)""CBD_Sandbox_dbg.map"" map file is embedded for reference."
	**

Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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

CPU Cycles:
TS1.1 17.00 Cycles
TS1.2 17.00 Cycles
TS1.3 17.00 Cycles
```

Vector Description

TS1.1 Var_Cnt_T_u16=Min
TS1.2 Var_Cnt_T_u16=Max
TS1.3 Var_Cnt_T_u16=Pos

			✔
Var_Cnt_T_u16	0		
Read_CountToRev()	0	0	✔

			✔
Var_Cnt_T_u16	6144		
Read_CountToRev()	0	0	✔

			✔
Var_Cnt_T_u16	5000		
Read_CountToRev()	53333	53333	✔

Project	CBD_SVDiag
Module	DigPhsReasDiag
Test Object	DigPhsReasDiag_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	52.27 %
Decision Coverage	50 %
Branch (C1) Coverage	50 %
MCC Coverage	53.36 %
MC/DC Coverage	53.12 %

Statistics

Total Testcases	3
Successful	3 ✔
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\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	$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(PROJECTROOT)\SVDiag\utp\contract -I$(PROJECTROOT)\SVDiag\utp\contract\Ap_DigPhsReasDiag -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'DigPhsReasDiag'	********************************Unit Test Description*** Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_DigPhsReasDiag.c Code File(s) Version: 14 Module Design Document: DigPhsReasDiag_MDD.docx Module Design Document Version: 16 Data Dictionary Version: 11 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 1788 Total RAM Used (Bytes): 80 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date: 01-14-2015 Comments:"Note: 1)Inline functions defined in ""Globalmacro.h"" are not unit tested. 2)100% coverage cannot be achieved in ""DigPhsReasDiag_Per1"" function due to ""FPM_Fix_m"" macro usage. 3)In ""DigPhsReasDiag_Per1"" function, out of range value is given to ""ExpectedOnTimeA_Cnt_u32"" and ""MeasuredOnTimeA_Cnt_u32"" to cover ""HighResError_Cnt_T_s32[i] >= 262136"" and ""HighResError_Cnt_T_s32[i] >= -262136"" path in P 2.9 and P 2.10 respectively. 4)100% coverage cannot be achieved in ""PhaseGroundTabLookupoffset"" Function due to ""FPM_Fix_m"" macro usage. 5)""CBD_Sandbox_dbg.map"" map file is embedded for reference." ***

Attributes

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

Attributes

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

Test Case 1: Metrics Test ✔

Specification

```
Performance Metrics (With "None"
Instrumentation and WithPS Environment)
CPU Cycles:
TS1.1 4533.00 Cycles
TS1.2 4936.00 Cycles
```

Description

```
Vector Decsription:
TS1.1  "Shortest Execution Path:
if(SVDiag_HighResPhsReasDisable_M_u8 > 100U)->False
if(SVDiag_LowResPhsReasDisable_M_u8 > 100U)->False
if (LRPRModIdx_Uls_T_f32 < 0.0F)->True
 if ( ( SVDiag_LowResPhsReasDisable_M_u8 < 50U) || ((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_LowResPhsReasDisable_M_u8 <
100U)) )->True
if (TRUE == SetFaultCounter_Cnt_T_lgc->True
if (DiagFailed_m( SVDiag_LowPhReasErrorAcc_Cnt_M_u16, k_LowResPhsReas_Cnt_str) == TRUE)->True
 if( ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_U08 )
->False"
TS1.2  "Longest Execution Path:
if(SVDiag_HighResPhsReasDisable_M_u8 > 100U)->True
if(SVDiag_LowResPhsReasDisable_M_u8 > 100U)->True
if (LRPRModIdx_Uls_T_f32 < 0.0F)->True
if ( (SVDiag_HighResPhsReasDisable_M_u8 < 50U) || ( (TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_HighResPhsReasDisable_M_u8 <
100U) ) || (GateDriveResetActive_Cnt_T_lgc == TRUE) )->False
if( ErrorFiltOut_Cnt_T_s32[i] > ((sint32)k_ErrorThresh_Cnt_u32) )->False
else if( (-ErrorFiltOut_Cnt_T_s32[i]) > ((sint32)k_ErrorThresh_Cnt_u32) )->False
"
```

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.11
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	805
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	22376.89913
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1110
k_ErrorFiltKn_Cnt_u16	55082
k_ErrorThresh_Cnt_u32	45204
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	19.95787042
k_LowResPhsReasMaxTol_Uls_f32	0.650341809
k_LowResPhsReasMinTol_Uls_f32	0.363156259
k_LowResPhsReas_Cnt_str.Threshold	104
k_LowResPhsReas_Cnt_str.PStep	371
k_LowResPhsReas_Cnt_str.NStep	645
k_PhsReasEnableThresh_Cnt_u32	156256
k_PhsReasErrorTerm_Cnt_s16	3701
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	132972
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.488293409
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.942175508
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1375
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	128546
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	48692
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142361
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	629.7181177

Name	Input Value
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.942175508	0.942175508	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1697	1697	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	160	160	✔
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.109999999	0.11	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1000	1000	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	100	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.86	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2679	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843	
SVDiag_LowResPhsReasDisable_M_u8	100	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107	

Name	Input Value
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3300
k_ErrorFiltKn_Cnt_u16	21474
k_ErrorThresh_Cnt_u32	87498
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
k_LowResPhsReasMaxTol_Uls_f32	0.625639021
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	817
k_LowResPhsReas_Cnt_str.NStep	832
k_PhsReasEnableThresh_Cnt_u32	137672
k_PhsReasErrorTerm_Cnt_s16	4047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	455216334	455216334	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.860000014	0.86	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2679	2679	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Case 2: Boundary Test ✔

Test Case 2: Boundary Test

Specification

```
Performance Metrics (With "None"
Instrumentation and WithPS Environment)
CPU Cycles:
TS2.1 5058.00 Cycles
TS2.2 5308.00 Cycles
TS2.3 5064.00 Cycles
TS2.4 4592.00 Cycles
TS2.5 4346.00 Cycles
TS2.6 4997.00 Cycles
TS2.7 5181.00 Cycles
TS2.8 5043.00 Cycles
TS2.9 4321.00 Cycles
TS2.10 5085.00 Cycles
TS2.11 4452.00 Cycles
TS2.12 4318.00 Cycles
TS2.13 4946.00 Cycles
TS2.14 4940.00 Cycles
TS2.15 4826.00 Cycles
TS2.16 5250.00 Cycles
TS2.17 4367.00 Cycles
TS2.18 4981.00 Cycles
TS2.19 4889.00 Cycles
TS2.20 4404.00 Cycles
TS2.21 4882.00 Cycles
TS2.22 5012.00 Cycles
TS2.23 4890.00 Cycles
TS2.24 4936.00 Cycles
TS2.25 5265.00 Cycles
TS2.26 4884.00 Cycles
TS2.27 4596.00 Cycles
TS2.28 4805.00 Cycles
TS2.29 4689.00 Cycles
TS2.30 5001.00 Cycles
TS2.31 4880.00 Cycles
TS2.32 4796.00 Cycles
TS2.33 4293.00 Cycles
TS2.34 4890.00 Cycles
TS2.35 4576.00 Cycles
TS2.36 4883.00 Cycles
TS2.37 4280.00 Cycles
TS2.38 4863.00 Cycles
TS2.39 4717.00 Cycles
TS2.40 5043.00 Cycles
TS2.41 4974.00 Cycles
TS2.42 4302.00 Cycles
TS2.43 5016.00 Cycles
TS2.44 5130.00 Cycles
TS2.45 4317.00 Cycles
TS2.46 4715.00 Cycles
TS2.47 4480.00 Cycles
TS2.48 4655.00 Cycles
TS2.49 4957.00 Cycles
TS2.50 4468.00 Cycles
TS2.51 5137.00 Cycles
TS2.52 4906.00 Cycles
TS2.53 4957.00 Cycles
TS2.54 4502.00 Cycles
TS2.55 4500.00 Cycles
TS2.56 5191.00 Cycles
TS2.57 5198.00 Cycles
TS2.58 4903.00 Cycles
TS2.59 5078.00 Cycles
TS2.60 5130.00 Cycles
TS2.61 4898.00 Cycles
TS2.62 4589.00 Cycles
TS2.63 4827.00 Cycles
TS2.64 5000.00 Cycles
TS2.65 4481.00 Cycles
TS2.66 4727.00 Cycles
TS2.67 5082.00 Cycles
TS2.68 4856.00 Cycles
TS2.69 4758.00 Cycles
TS2.70 4706.00 Cycles
TS2.71 4719.00 Cycles
TS2.72 4708.00 Cycles
TS2.73 4872.00 Cycles
TS2.74 4793.00 Cycles
TS2.75 4631.00 Cycles
TS2.76 4585.00 Cycles
TS2.77 4250.00 Cycles
TS2.78 4946.00 Cycles
TS2.79 4863.00 Cycles
TS2.80 5181.00 Cycles
TS2.81 5334.00 Cycles
TS2.82 4997.00 Cycles
TS2.83 5052.00 Cycles
TS2.84 4756.00 Cycles
TS2.85 5137.00 Cycles
TS2.86 4792.00 Cycles
TS2.87 4623.00 Cycles
TS2.88 4681.00 Cycles
TS2.89 4778.00 Cycles
TS2.90 4509.00 Cycles
TS2.91 4636.00 Cycles
TS2.92 4924.00 Cycles
TS2.93 4938.00 Cycles
TS2.94 4451.00 Cycles
TS2.95 4303.00 Cycles
TS2.96 4294.00 Cycles
TS2.97 4410.00 Cycles
TS2.98 5087.00 Cycles
TS2.99 4577.00 Cycles
TS2.100 4678.00 Cycles
TS2.101 4930.00 Cycles
TS2.102 4679.00 Cycles
TS2.103 4602.00 Cycles
TS2.104 5303.00 Cycles
TS2.105 5007.00 Cycles
TS2.106 5037.00 Cycles
TS2.107 4833.00 Cycles
TS2.108 4818.00 Cycles
TS2.109 4779.00 Cycles
TS2.110 4824.00 Cycles
TS2.111 5163.00 Cycles
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TS2.112 5083.00 Cycles
TS2.113 4938.00 Cycles
TS2.114 4775.00 Cycles
TS2.115 5022.00 Cycles
TS2.116 4761.00 Cycles
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Description Vector Description:

TS2.1 All Min
TS2.2 All Max
TS2.3 MeasuredOnTimeA_Cnt_u32==>Min
TS2.4 MeasuredOnTimeA_Cnt_u32==>Max
TS2.5 MeasuredOnTimeA_Cnt_u32==>Pos
TS2.6 MeasuredOnTimeB_Cnt_u32==>Min
TS2.7 MeasuredOnTimeB_Cnt_u32==>Max
TS2.8 MeasuredOnTimeB_Cnt_u32==>Pos
TS2.9 MeasuredOnTimeC_Cnt_u32==>Min
TS2.10 MeasuredOnTimeC_Cnt_u32==>Max
TS2.11 MeasuredOnTimeC_Cnt_u32==>Pos
TS2.12 ExpectedOnTimeA_Cnt_u32==>Min
TS2.13 ExpectedOnTimeA_Cnt_u32==>Max
TS2.14 ExpectedOnTimeA_Cnt_u32==>Pos
TS2.15 ExpectedOnTimeB_Cnt_u32==>Min
TS2.16 ExpectedOnTimeB_Cnt_u32==>Max
TS2.17 ExpectedOnTimeB_Cnt_u32==>Pos
TS2.18 ExpectedOnTimeC_Cnt_u32==>Min
TS2.19 ExpectedOnTimeC_Cnt_u32==>Max
TS2.20 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.21 LRPRCorrectedMtrPosCaptured_Rev_f32==>Min
TS2.22 LRPRCorrectedMtrPosCaptured_Rev_f32==>Max
TS2.23 LRPRCorrectedMtrPosCaptured_Rev_f32==>Pos
TS2.24 LRPRPhaseadvanceCaptured_Cnt_s16==>Min
TS2.25 LRPRPhaseadvanceCaptured_Cnt_s16==>Max
TS2.26 LRPRPhaseadvanceCaptured_Cnt_s16==>Zero
TS2.27 LRPRPhaseadvanceCaptured_Cnt_s16==>Neg
TS2.28 LRPRPhaseadvanceCaptured_Cnt_s16==>Pos
TS2.29 LRPRModulationIndexCaptured_Uls_f32==>Min
TS2.30 LRPRModulationIndexCaptured_Uls_f32==>Max
TS2.31 LRPRModulationIndexCaptured_Uls_f32==>Zero
TS2.32 LRPRModulationIndexCaptured_Uls_f32==>Pos
TS2.33 LRPRModulationIndexCaptured_Uls_f32==>Neg
TS2.34 MotorVelMRFUnfiltered_MtrRadpS_f32==>Min
TS2.35 MotorVelMRFUnfiltered_MtrRadpS_f32==>Max
TS2.36 MotorVelMRFUnfiltered_MtrRadpS_f32==>Zero
TS2.37 MotorVelMRFUnfiltered_MtrRadpS_f32==>Pos
TS2.38 MotorVelMRFUnfiltered_MtrRadpS_f32==>Neg
TS2.39 MtrElecMechPolarity_Cnt_s08==>Min
TS2.40 MtrElecMechPolarity_Cnt_s08==>Max
TS2.41 PDActivateTest_Cnt_lgc==>Min
TS2.42 PDActivateTest_Cnt_lgc==>Max
TS2.43 SVDiag_HighResPhsReasDisable_M_u8==>Min
TS2.44 SVDiag_HighResPhsReasDisable_M_u8==>Max
TS2.45 SVDiag_HighResPhsReasDisable_M_u8==>Pos
TS2.46 SVDiag_LowResPhsReasDisable_M_u8==>Min
TS2.47 SVDiag_LowResPhsReasDisable_M_u8==>Max
TS2.48 SVDiag_LowResPhsReasDisable_M_u8==>Pos
TS2.49 k_PhsReasEnableThresh_Cnt_u32==>Min
TS2.50 k_PhsReasEnableThresh_Cnt_u32==>Max
TS2.51 k_PhsReasEnableThresh_Cnt_u32==>Pos
TS2.52 k_PhsReasErrorTerm_Cnt_s16==>Min
TS2.53 k_PhsReasErrorTerm_Cnt_s16==>Max
TS2.54 k_PhsReasErrorTerm_Cnt_s16==>Zero
TS2.55 k_PhsReasErrorTerm_Cnt_s16==>Pos
TS2.56 k_PhsReasErrorTerm_Cnt_s16==>Neg
TS2.57 SVDiag_FilterSV_Cnt_M_s18p13[3]==>Min
TS2.58 SVDiag_FilterSV_Cnt_M_s18p13[3]==>Max
TS2.59 SVDiag_FilterSV_Cnt_M_s18p13[3]==>Zero
TS2.60 SVDiag_FilterSV_Cnt_M_s18p13[3]==>Pos
TS2.61 SVDiag_FilterSV_Cnt_M_s18p13[3]==>Neg
TS2.62 k_ErrorFiltKn_Cnt_u16==>Min
TS2.63 k_ErrorFiltKn_Cnt_u16==>Max
TS2.64 k_ErrorFiltKn_Cnt_u16==>Pos
TS2.65 k_ErrorThresh_Cnt_u32==>Min
TS2.66 k_ErrorThresh_Cnt_u32==>Max
TS2.67 k_ErrorThresh_Cnt_u32==>Pos
TS2.68 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32==>Min
TS2.69 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32==>Max
TS2.70 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32==>Pos
TS2.71 SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Min
TS2.72 SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Max
TS2.73 SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Pos
TS2.74 SVDiag_PhaseOffset_Rev_M_u0p16[3]=>=Min
TS2.75 SVDiag_PhaseOffset_Rev_M_u0p16[3]==>Max
TS2.76 SVDiag_PhaseOffset_Rev_M_u0p16[3]==>Pos
TS2.77 SVDiag_LRPRHighSector_Cnt_M_lgc[3]==>Min
TS2.78 SVDiag_LRPRHighSector_Cnt_M_lgc[3]==>Max
TS2.79 SVDiag_LRPRLowSector_Cnt_M_lgc[3]==>Min
TS2.80 SVDiag_LRPRLowSector_Cnt_M_lgc[3]==>Max
TS2.81 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[3]==>Min
TS2.82 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[3]==>Max
TS2.83 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32==>Min
TS2.84 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32==>Max
TS2.85 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32==>Pos
TS2.86 k_LowResPhsReasMaxTol_Uls_f32==>Min
TS2.87 k_LowResPhsReasMaxTol_Uls_f32==>Max
TS2.88 k_LowResPhsReasMaxTol_Uls_f32==>pos
TS2.89 k_LowResPhsReasMinTol_Uls_f32==>Min
TS2.90 k_LowResPhsReasMinTol_Uls_f32==>Max
TS2.91 k_LowResPhsReasMinTol_Uls_f32==>Pos
TS2.92 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Min
TS2.93 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Max
TS2.94 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Pos

TS2.95   SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Min
TS2.96   SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Max
TS2.97   SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Pos
TS2.98   k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32==>Min
TS2.99   k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32==>Max
TS2.100 k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32==>Pos
TS2.101 SVDiag_LowPhReasErrorAcc_Cnt_M_u16==>Min
TS2.102 SVDiag_LowPhReasErrorAcc_Cnt_M_u16==>Max
TS2.103 SVDiag_LowPhReasErrorAcc_Cnt_M_u16==>Pos
TS2.104 k_LowResPhsReas_Cnt_str.Pstep==>Min
TS2.105 k_LowResPhsReas_Cnt_str.Pstep==>Max
TS2.106 k_LowResPhsReas_Cnt_str.Pstep==>Pos
TS2.107 k_LowResPhsReas_Cnt_str.Nstep==>Min
TS2.108 k_LowResPhsReas_Cnt_str.Nstep==>Max
TS2.109 k_LowResPhsReas_Cnt_str.Nstep==>Pos
TS2.110 k_LowResPhsReas_Cnt_str.Threshold==>Min
TS2.111 k_LowResPhsReas_Cnt_str.Threshold==>Max
TS2.112 k_LowResPhsReas_Cnt_str.Threshold==>Pos
TS2.113 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[3]==>Min
TS2.114 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[3]==>Max
TS2.115 GateDriveResetActive_Cnt_lgc=>Min
TS2.116 GateDriveResetActive_Cnt_lgc=>Max

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	0
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	-10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1350
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✔
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.2 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[1]	2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[2]	2147418112	
SVDiag_HighResPhsReasDisable_M_u8	100	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6144	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000	
SVDiag_LowResPhsReasDisable_M_u8	100	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	86400	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1350
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	32767	32767	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	825
SVDiag_LowResPhsReasDisable_M_u8	83
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	23201.52463
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.11
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	111
k_ErrorFiltKn_Cnt_u16	30585
k_ErrorThresh_Cnt_u32	66520
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	6.727024794
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	216
k_LowResPhsReas_Cnt_str.PStep	845
k_LowResPhsReas_Cnt_str.NStep	760
k_PhsReasEnableThresh_Cnt_u32	54635
k_PhsReasErrorTerm_Cnt_s16	7720
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	128811
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	29254
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	76895
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.649596095
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1355
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	169488
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	133502
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-506.9036557
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	51335	51335	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	67719	67719	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	75911	75911	✔
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4789	4789	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	65	65	✔
SVDiag_LowResPhsReasDisable_M_u8	84	84 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100	100	✔

T				✔
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1)		✔
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	
SVDiag_HighResPhsReasDisable_M_u8	15	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.2	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	200	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	175	
SVDiag_LowResPhsReasDisable_M_u8	15	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41946.39624	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.12	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222	
k_ErrorFiltKn_Cnt_u16	29575	
k_ErrorThresh_Cnt_u32	90315	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.714330018
k_LowResPhsReasMinTol_Uls_f32	0.016816556
k_LowResPhsReas_Cnt_str.Threshold	362
k_LowResPhsReas_Cnt_str.PStep	877
k_LowResPhsReas_Cnt_str.NStep	358
k_PhsReasEnableThresh_Cnt_u32	134931
k_PhsReasErrorTerm_Cnt_s16	-261
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	95681
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	57225
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.540214658
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1072
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33061
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	26932
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	391.1978135
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	464300	464300	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	✓
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.540214658	0.540214658	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000	2000	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	200	200	✓

T				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	31
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.3
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	96
SVDiag_LowResPhsReasDisable_M_u8	80
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	39374.14782
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.13
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	333
k_ErrorFiltKn_Cnt_u16	22743
k_ErrorThresh_Cnt_u32	185423
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	840.3517412
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.715057611
k_LowResPhsReas_Cnt_str.Threshold	73
k_LowResPhsReas_Cnt_str.PStep	582
k_LowResPhsReas_Cnt_str.NStep	329
k_PhsReasEnableThresh_Cnt_u32	199697
k_PhsReasErrorTerm_Cnt_s16	9687
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	46209
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	101126
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	78089
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-566
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	81038
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	89741
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	25388
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1115.609409
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	2334720	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✔
SVDiag_HighResPhsReasDisable_M_u8	32	32 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5578	5578	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	81	81 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.300000012	0.3	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	300	300	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	44	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.4	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	101	
SVDiag_LowResPhsReasDisable_M_u8	43	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43605.9814	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.14	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444	
k_ErrorFiltKn_Cnt_u16	3187	
k_ErrorThresh_Cnt_u32	88126	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	0.823276341	
k_LowResPhsReas_Cnt_str.Threshold	677	
k_LowResPhsReas_Cnt_str.PStep	248	
k_LowResPhsReas_Cnt_str.NStep	802	
k_PhsReasEnableThresh_Cnt_u32	75942	
k_PhsReasErrorTerm_Cnt_s16	-9420	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.285947561
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-198
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29839
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	31276
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-268.5858883
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	7793625	7793625	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	15587250	15587250	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✓
SVDiag_HighResPhsReasDisable_M_u8	45	45 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.285947561	0.285947561	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5946	5946	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	349	349	✓
SVDiag_LowResPhsReasDisable_M_u8	44	44 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.400000006	0.4	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	400	400	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.7 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000	
SVDiag_HighResPhsReasDisable_M_u8	42	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.5	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	720
SVDiag_LowResPhsReasDisable_M_u8	54
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	864.6531985
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.15
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	555
k_ErrorFiltKn_Cnt_u16	63227
k_ErrorThresh_Cnt_u32	153441
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	837.6736517
k_LowResPhsReasMaxTol_Uls_f32	0.864181995
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	97
k_LowResPhsReas_Cnt_str.PStep	340
k_LowResPhsReas_Cnt_str.NStep	165
k_PhsReasEnableThresh_Cnt_u32	73073
k_PhsReasErrorTerm_Cnt_s16	9441
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	152057
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	104659
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	131073
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.268185973
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.631602585
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-235
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	139594
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	97341
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-300.6809649
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaр	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	1154500	1154500	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1443125	1443125	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	1731750	1731750	✔
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.631602585	0.631602585	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5909	5909	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	97	97	✔
SVDiag_LowResPhsReasDisable_M_u8	55	55 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	500	500	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.8 (Repeat Count = 1)				✔
Name	**Input Value**			
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag			
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000			
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000			
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000			
SVDiag_HighResPhsReasDisable_M_u8	86			
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.6			
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0			
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0			
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0			
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0			
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0			
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0			
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	600			
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	148			
SVDiag_LowResPhsReasDisable_M_u8	7			
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52723.80765			
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418			
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073			
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.16			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0			
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666			
k_ErrorFiltKn_Cnt_u16	38736			
k_ErrorThresh_Cnt_u32	24719			
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	96.50065869			
k_LowResPhsReasMaxTol_Uls_f32	1.286n	_PrevLRPRLowSector_Cn	hsReasMaxTol_Uls_f32	

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaζ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	33500000	33500000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	67000000	67000000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	100500000	100500000	✔
SVDiag_HighResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.785672545	0.785672545	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4167	4167	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	8	8 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600	600	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.9 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	
SVDiag_HighResPhsReasDisable_M_u8	5	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.7	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	700	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	451	
SVDiag_LowResPhsReasDisable_M_u8	5	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	49739.7722	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.17	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	777		
k_ErrorFiltKn_Cnt_u16	18060		
k_ErrorThresh_Cnt_u32	46713		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	833.3660122		
k_LowResPhsReasMaxTol_Uls_f32	0.83201158		
k_LowResPhsReasMinTol_Uls_f32	0.531517982		
k_LowResPhsReas_Cnt_str.Threshold	576		
k_LowResPhsReas_Cnt_str.PStep	778		
k_LowResPhsReas_Cnt_str.NStep	550		
k_PhsReasEnableThresh_Cnt_u32	143857		
k_PhsReasErrorTerm_Cnt_s16	-4268		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48095		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	46660		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	88050		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.062308908		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.830416977		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1364		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	62830		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	119699		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	491.0340368		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000	327680000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	409600000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	491520000	✔
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_LRPRAdjModIdAComp_M_f32	0.830416977	0.830416977	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1708	1708	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_M_f32	0.699999988	0.7	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	700	700	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	90
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.8
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	461
SVDiag_LowResPhsReasDisable_M_u8	84
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	46417.78231
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.18
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	888
k_ErrorFiltKn_Cnt_u16	30756
k_ErrorThresh_Cnt_u32	160747
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	267.4183281
k_LowResPhsReasMaxTol_Uls_f32	0.321169317
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	691
k_LowResPhsReas_Cnt_str.PStep	936
k_LowResPhsReas_Cnt_str.NStep	656
k_PhsReasEnableThresh_Cnt_u32	51129
k_PhsReasErrorTerm_Cnt_s16	-5893
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	67086
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	146174
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	29008
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1221
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	195027
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	18146
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-546.1153861
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaｐ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-20408	-20408	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-71572	-71572	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-122736	-122736	✔
SVDiag_HighResPhsReasDisable_M_u8	91	91 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1221	1221	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	85	85 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.800000012	0.8	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	800	800	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.11 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	24	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.9	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	900	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	612	
SVDiag_LowResPhsReasDisable_M_u8	99	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52705.47826	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.19	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	999	
k_ErrorFiltKn_Cnt_u16	21879	
k_ErrorThresh_Cnt_u32	16095	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	472.253751	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	739
k_LowResPhsReas_Cnt_str.PStep	702
k_LowResPhsReas_Cnt_str.NStep	305
k_PhsReasEnableThresh_Cnt_u32	174513
k_PhsReasErrorTerm_Cnt_s16	-1137
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	121991
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaı	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	-819200	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	-2457600	✓
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5345	5345	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	307	307	✓
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.899999976	0.9	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	900	900	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.12 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.11
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	805
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	22376.89913
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1110
k_ErrorFiltKn_Cnt_u16	55082
k_ErrorThresh_Cnt_u32	45204
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	19.95787042
k_LowResPhsReasMaxTol_Uls_f32	0.650341809
k_LowResPhsReasMinTol_Uls_f32	0.363156259
k_LowResPhsReas_Cnt_str.Threshold	104
k_LowResPhsReas_Cnt_str.PStep	371
k_LowResPhsReas_Cnt_str.NStep	645
k_PhsReasEnableThresh_Cnt_u32	156256
k_PhsReasErrorTerm_Cnt_s16	3701
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	132972
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.488293409
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.942175508
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1375
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	128546
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	48692
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142361
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	629.7181177
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaɩ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.942175508	0.942175508	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1697	1697	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	160	160	✔
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.109999999	0.11	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1000	1000	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.13 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	78	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.12	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1100	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	731	
SVDiag_LowResPhsReasDisable_M_u8	66	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	71258.04782	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.21	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1221	
k_ErrorFiltKn_Cnt_u16	46349	
k_ErrorThresh_Cnt_u32	9915	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	827.6518477	
k_LowResPhsReasMaxTol_Uls_f32	0.089262128	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	420	
k_LowResPhsReas_Cnt_str.PStep	397	
k_LowResPhsReas_Cnt_str.NStep	203	
k_PhsReasEnableThresh_Cnt_u32	92851	
k_PhsReasErrorTerm_Cnt_s16	-4377	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	71843	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	117742	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.969902456
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	862
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	66396
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	367
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	67091
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-79.46468693
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-1044507	-1044507	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2135363	-2135363	✔
SVDiag_HighResPhsReasDisable_M_u8	79	79 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.969902456	0.969902456	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	862	862	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	420	420	✔
SVDiag_LowResPhsReasDisable_M_u8	67	67 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.119999997	0.12	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1100	1100	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.14 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	3	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.13	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	130
SVDiag_LowResPhsReasDisable_M_u8	96
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64428.55529
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.22
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1332
k_ErrorFiltKn_Cnt_u16	57969
k_ErrorThresh_Cnt_u32	47166
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	239.8384095
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	420
k_LowResPhsReas_Cnt_str.PStep	405
k_LowResPhsReas_Cnt_str.NStep	483
k_PhsReasEnableThresh_Cnt_u32	25094
k_PhsReasErrorTerm_Cnt_s16	9305
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	167144
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	117940
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	47796
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.933656693
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1424
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	20706
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	10562
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	42204
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-837.3240489
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9458750	-9458750	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18917500	-18917500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-28376250	-28376250	✔
SVDiag_HighResPhsReasDisable_M_u8	4	4 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4720	4720	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	97	97 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.129999995	0.13	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1200	1200	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	13
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.14
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	332
SVDiag_LowResPhsReasDisable_M_u8	12
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	56980.60973
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.23
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1443
k_ErrorFiltKn_Cnt_u16	13602
k_ErrorThresh_Cnt_u32	78762
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	939.4107432
k_LowResPhsReasMaxTol_Uls_f32	1.641180038
k_LowResPhsReasMinTol_Uls_f32	1.834032655
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	564
k_LowResPhsReas_Cnt_str.NStep	719
k_PhsReasEnableThresh_Cnt_u32	39778
k_PhsReasErrorTerm_Cnt_s16	-6331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	60528
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	192046
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.63996619
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1118
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	141699
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	171813
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	156451
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-673.0851354
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	7224236	7224236	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	14434870	14434870	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	21645504	21645504	✔
SVDiag_HighResPhsReasDisable_M_u8	14	14 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.63996619	0.63996619	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1954	1954	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	13	13 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.140000001	0.14	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1300	1300	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.16 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	
SVDiag_HighResPhsReasDisable_M_u8	67	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.15	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	718	
SVDiag_LowResPhsReasDisable_M_u8	38	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	68632.40339	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.24	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1554
k_ErrorFiltKn_Cnt_u16	7290
k_ErrorThresh_Cnt_u32	141432
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	718.4851848
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.138592422
k_LowResPhsReas_Cnt_str.Threshold	91
k_LowResPhsReas_Cnt_str.PStep	222
k_LowResPhsReas_Cnt_str.NStep	973
k_PhsReasEnableThresh_Cnt_u32	48985
k_PhsReasErrorTerm_Cnt_s16	3097
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193562
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	520
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	164452
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	150060
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	32449
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-570.0968587
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32359298	32359298	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	40447300	40447300	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	48535302	48535302	✔
SVDiag_HighResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.153545499	0.153545499	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	520	520	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	91	91	✔
SVDiag_LowResPhsReasDisable_M_u8	39	39 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.150000006	0.15	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1400	1400	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.17 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	26
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.16
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	22
SVDiag_LowResPhsReasDisable_M_u8	49
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	61253.089
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1665
k_ErrorFiltKn_Cnt_u16	30767
k_ErrorThresh_Cnt_u32	118547
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	690.3250314
k_LowResPhsReasMaxTol_Uls_f32	0.620892406
k_LowResPhsReasMinTol_Uls_f32	0.114622593
k_LowResPhsReas_Cnt_str.Threshold	189
k_LowResPhsReas_Cnt_str.PStep	782
k_LowResPhsReas_Cnt_str.NStep	766
k_PhsReasEnableThresh_Cnt_u32	199085
k_PhsReasErrorTerm_Cnt_s16	-9005
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	176881
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	170405
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173719
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46397841
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.478393734
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-729
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	126502
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	116820
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	135742
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1108.76076
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	27	27 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.478393734	0.478393734	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5415	5415	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	50	50 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.159999996	0.16	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1500	1500	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.18 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920	
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304	
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496	
SVDiag_HighResPhsReasDisable_M_u8	85	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.17	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1600	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	408	
SVDiag_LowResPhsReasDisable_M_u8	90	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	14163.01991	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.26	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1776	
k_ErrorFiltKn_Cnt_u16	8156	
k_ErrorThresh_Cnt_u32	179329	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	32.30347759	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.510679185
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	172
k_LowResPhsReas_Cnt_str.PStep	691
k_LowResPhsReas_Cnt_str.NStep	413
k_PhsReasEnableThresh_Cnt_u32	3120
k_PhsReasErrorTerm_Cnt_s16	7509
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1922
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	60879
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1052
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	186921
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	49536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	69505
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1083.091942
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	73764	73764	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	90148	90148	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	98340	98340	✔
SVDiag_HighResPhsReasDisable_M_u8	86	86 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1052	1052	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	91	91 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.170000002	0.17	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1600	1600	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	21
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.18
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	290
SVDiag_LowResPhsReasDisable_M_u8	17
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	34612.70149
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.27
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1887
k_ErrorFiltKn_Cnt_u16	10351
k_ErrorThresh_Cnt_u32	158105
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	667.8116815
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	833
k_LowResPhsReas_Cnt_str.PStep	638
k_LowResPhsReas_Cnt_str.NStep	325
k_PhsReasEnableThresh_Cnt_u32	65511
k_PhsReasErrorTerm_Cnt_s16	-8909
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	35037
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	133043
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.491767347
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-891
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	53456
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	139901
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	24793
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-385.2567965
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaр	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1379625	1379625	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	2074613	2074613	✔
SVDiag_HighResPhsReasDisable_M_u8	22	22 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.491767347	0.491767347	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2181	2181	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	833	833	✔
SVDiag_LowResPhsReasDisable_M_u8	18	18 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.180000007	0.18	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1700	1700	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.20 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	
SVDiag_HighResPhsReasDisable_M_u8	22	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.19	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1800	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	715	
SVDiag_LowResPhsReasDisable_M_u8	83	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	25220.92133	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.28	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1998	
k_ErrorFiltKn_Cnt_u16	32739	
k_ErrorThresh_Cnt_u32	125914	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	462.1439423	
k_LowResPhsReasMaxTol_Uls_f32	1.866672814	
k_LowResPhsReasMinTol_Uls_f32	0.772163808	
k_LowResPhsReas_Cnt_str.Threshold	710	
k_LowResPhsReas_Cnt_str.PStep	458	
k_LowResPhsReas_Cnt_str.NStep	209	
k_PhsReasEnableThresh_Cnt_u32	142342	
k_PhsReasErrorTerm_Cnt_s16	-277	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48474	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	4821	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	124280	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.923490286
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-841
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	47977
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	40766
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	26689
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	474.0941501
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	2334720	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✔
SVDiag_HighResPhsReasDisable_M_u8	23	23 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5303	5303	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	506	506	✔
SVDiag_LowResPhsReasDisable_M_u8	84	84 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.189999998	0.19	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1800	1800	✔

T					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset		1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev		3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	51	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.2	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	661
SVDiag_LowResPhsReasDisable_M_u8	65
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	37026.40555
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.29
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2109
k_ErrorFiltKn_Cnt_u16	54788
k_ErrorThresh_Cnt_u32	147571
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	919.0140423
k_LowResPhsReasMaxTol_Uls_f32	0.924155831
k_LowResPhsReasMinTol_Uls_f32	0.221476793
k_LowResPhsReas_Cnt_str.Threshold	441
k_LowResPhsReas_Cnt_str.PStep	952
k_LowResPhsReas_Cnt_str.NStep	133
k_PhsReasEnableThresh_Cnt_u32	57345
k_PhsReasErrorTerm_Cnt_s16	-557
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157319
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	112180
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	36950
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.958179414
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	19
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69528
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	109790
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	5219
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-476.5903426
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	1343500	1343500	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	2687000	2687000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	52	52 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.958179414	0.958179414	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	19	19	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	528	528	✔
SVDiag_LowResPhsReasDisable_M_u8	66	66 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1900	1900	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.22 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000	
SVDiag_HighResPhsReasDisable_M_u8	62	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.21	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	854	
SVDiag_LowResPhsReasDisable_M_u8	22	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64219.70916	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2220	
k_ErrorFiltKn_Cnt_u16	44587	
k_ErrorThresh_Cnt_u32	194845	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	216.4905954	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	339	
k_LowResPhsReas_Cnt_str.PStep	797	
k_LowResPhsReas_Cnt_str.NStep	321	
k_PhsReasEnableThresh_Cnt_u32	63348	
k_PhsReasErrorTerm_Cnt_s16	-7811	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	120813	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59527	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	105111	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.333152056	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	368	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	27030	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	125364	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	154479	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-409.4544061	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	10474500	10474500	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	13093125	13093125	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	15711750	15711750	✔
SVDiag_HighResPhsReasDisable_M_u8	63	63 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.333152056	0.333152056	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3440	3440	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	533	533	✔
SVDiag_LowResPhsReasDisable_M_u8	23	23 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.209999993	0.21	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2000	2000	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.23 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	51	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.22	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2100	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	661	
SVDiag_LowResPhsReasDisable_M_u8	65	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	37026.40555	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.31	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2331
k_ErrorFiltKn_Cnt_u16	54788
k_ErrorThresh_Cnt_u32	147571
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	919.0140423
k_LowResPhsReasMaxTol_Uls_f32	0.924155831
k_LowResPhsReasMinTol_Uls_f32	0.221476793
k_LowResPhsReas_Cnt_str.Threshold	441
k_LowResPhsReas_Cnt_str.PStep	952
k_LowResPhsReas_Cnt_str.NStep	133
k_PhsReasEnableThresh_Cnt_u32	57345
k_PhsReasErrorTerm_Cnt_s16	-557
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157319
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	112180
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	36950
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.5
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.958179414
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	19
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69528
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	109790
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	5219
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-476.5903426
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	1343500	1343500	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	2687000	2687000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	52	52 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.958179414	0.958179414	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	19	19	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	528	528	✔
SVDiag_LowResPhsReasDisable_M_u8	66	66 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.219999999	0.22	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2100	2100	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.24 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	61
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.23
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	124
SVDiag_LowResPhsReasDisable_M_u8	4
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	42313.96697
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.32
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2442
k_ErrorFiltKn_Cnt_u16	50707
k_ErrorThresh_Cnt_u32	53793
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	757.7378769
k_LowResPhsReasMaxTol_Uls_f32	1.365184307
k_LowResPhsReasMinTol_Uls_f32	0.16436398
k_LowResPhsReas_Cnt_str.Threshold	811
k_LowResPhsReas_Cnt_str.PStep	725
k_LowResPhsReas_Cnt_str.NStep	815
k_PhsReasEnableThresh_Cnt_u32	29801
k_PhsReasErrorTerm_Cnt_s16	-8025
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	147751
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	96720
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	75275
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.130317092
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.859731376
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	175557
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	198210
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	139649
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-784.6720909
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	18536250	18536250	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	37072500	37072500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	55608750	55608750	✔
SVDiag_HighResPhsReasDisable_M_u8	62	62 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.859731376	0.859731376	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	5	5 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.230000004	0.23	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2200	2200	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.25 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	
SVDiag_HighResPhsReasDisable_M_u8	10	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.24	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2300	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	952	
SVDiag_LowResPhsReasDisable_M_u8	92	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	50510.37512	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.33	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2553	
k_ErrorFiltKn_Cnt_u16	3401	
k_ErrorThresh_Cnt_u32	62140	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	517.1527097	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	1.169038832
k_LowResPhsReasMinTol_Uls_f32	1.774063289
k_LowResPhsReas_Cnt_str.Threshold	591
k_LowResPhsReas_Cnt_str.PStep	238
k_LowResPhsReas_Cnt_str.NStep	350
k_PhsReasEnableThresh_Cnt_u32	64559
k_PhsReasErrorTerm_Cnt_s16	-2710
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	152178
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	84935
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	78346
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.314455271
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4379
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	58469
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	22797
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-395.9019101
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	310675000	310675000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	388343750	388343750	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	466012500	466012500	✓
SVDiag_HighResPhsReasDisable_M_u8	11	11 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	591	591	✓
SVDiag_LowResPhsReasDisable_M_u8	93	93 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.239999995	0.24	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2300	2300	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.26 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	95
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.25
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	993
SVDiag_LowResPhsReasDisable_M_u8	49
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	49981.54344
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.34
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2664
k_ErrorFiltKn_Cnt_u16	15074
k_ErrorThresh_Cnt_u32	119021
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	29.87567961
k_LowResPhsReasMaxTol_Uls_f32	0.026579261
k_LowResPhsReasMinTol_Uls_f32	0.82881546
k_LowResPhsReas_Cnt_str.Threshold	599
k_LowResPhsReas_Cnt_str.PStep	744
k_LowResPhsReas_Cnt_str.NStep	137
k_PhsReasEnableThresh_Cnt_u32	95429
k_PhsReasErrorTerm_Cnt_s16	-8921
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	170672
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8412
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	15945
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.200395226
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.472186744
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	82206
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	128801
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44874
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-50.6263321
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-51772	-51772	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-118618	-118618	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760	-245760	✔
SVDiag_HighResPhsReasDisable_M_u8	96	96 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.472186744	0.472186744	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	856	856	✔
SVDiag_LowResPhsReasDisable_M_u8	50	50 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25	0.25	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2400	2400	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.27 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	38	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.26	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2500	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	989	
SVDiag_LowResPhsReasDisable_M_u8	67	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64888.04768	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.35	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2775	
k_ErrorFiltKn_Cnt_u16	39010	
k_ErrorThresh_Cnt_u32	190113	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	301.491865	
k_LowResPhsReasMaxTol_Uls_f32	0.209145963	
k_LowResPhsReasMinTol_Uls_f32	0.075508654	
k_LowResPhsReas_Cnt_str.Threshold	716	
k_LowResPhsReas_Cnt_str.PStep	274	
k_LowResPhsReas_Cnt_str.NStep	278	
k_PhsReasEnableThresh_Cnt_u32	184889	
k_PhsReasErrorTerm_Cnt_s16	9257	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157368	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	11111	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	100207	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.102511883
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-361
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193345
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	101973
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	1580
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	949.9760722
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-312070	-312070	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	-2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	39	39 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5783	5783	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	711	711	✔
SVDiag_LowResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25999999	0.26	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2500	2500	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.28 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	35	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.27	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	582
SVDiag_LowResPhsReasDisable_M_u8	6
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	11708.94482
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.36
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2886
k_ErrorFiltKn_Cnt_u16	64768
k_ErrorThresh_Cnt_u32	189131
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	492.2255232
k_LowResPhsReasMaxTol_Uls_f32	1.708381891
k_LowResPhsReasMinTol_Uls_f32	0.915079951
k_LowResPhsReas_Cnt_str.Threshold	381
k_LowResPhsReas_Cnt_str.PStep	982
k_LowResPhsReas_Cnt_str.NStep	286
k_PhsReasEnableThresh_Cnt_u32	7806
k_PhsReasErrorTerm_Cnt_s16	9843
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	58253
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171118
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	143748
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.802513063
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1052
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	113580
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	17452
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	150150
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1030.681055
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-96000	-96000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-192000	-192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-288000	-288000	✔
SVDiag_HighResPhsReasDisable_M_u8	36	36 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.802513063	0.802513063	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4124	4124	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	296	296	✔
SVDiag_LowResPhsReasDisable_M_u8	7	7 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.270000011	0.27	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2600	2600	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.29 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	4	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.28	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2700	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	239	
SVDiag_LowResPhsReasDisable_M_u8	1	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30122.71136	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.37	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2997	
k_ErrorFiltKn_Cnt_u16	51152	
k_ErrorThresh_Cnt_u32	142699	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	594.4654054	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	0.219913423	
k_LowResPhsReas_Cnt_str.Threshold	29	
k_LowResPhsReas_Cnt_str.PStep	651	
k_LowResPhsReas_Cnt_str.NStep	155	
k_PhsReasEnableThresh_Cnt_u32	152663	
k_PhsReasErrorTerm_Cnt_s16	1485	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	10173	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	124289	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	161649	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1414	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	129423	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	3522	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	185874	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	589.5275707	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	-3686400	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1592624	-1592624	✔
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1658	1658	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	29	29	✔
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.280000001	0.28	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2700	2700	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.30 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	89
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.29
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	393
SVDiag_LowResPhsReasDisable_M_u8	96
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	33746.97539
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.38
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3108
k_ErrorFiltKn_Cnt_u16	11613
k_ErrorThresh_Cnt_u32	67627
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	203.8606881
k_LowResPhsReasMaxTol_Uls_f32	0.907837987
k_LowResPhsReasMinTol_Uls_f32	1.147270918
k_LowResPhsReas_Cnt_str.Threshold	88
k_LowResPhsReas_Cnt_str.PStep	203
k_LowResPhsReas_Cnt_str.NStep	308
k_PhsReasEnableThresh_Cnt_u32	14763
k_PhsReasErrorTerm_Cnt_s16	-9899
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	78180
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	152703
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	149876
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.452251554
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1199
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	139742
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	135291
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	21903
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-952.8725381
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-67403750	-67403750	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-134807500	-134807500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-202211250	-202211250	✔
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1199	1199	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	85	85	✔
SVDiag_LowResPhsReasDisable_M_u8	97	97 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.289999992	0.29	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2800	2800	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	49
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.3
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	248
SVDiag_LowResPhsReasDisable_M_u8	21
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3779.679818
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.39
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3219
k_ErrorFiltKn_Cnt_u16	39619
k_ErrorThresh_Cnt_u32	23446
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	814.0175524
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.902124703
k_LowResPhsReas_Cnt_str.Threshold	84
k_LowResPhsReas_Cnt_str.PStep	50
k_LowResPhsReas_Cnt_str.NStep	254
k_PhsReasEnableThresh_Cnt_u32	125958
k_PhsReasErrorTerm_Cnt_s16	2372
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	40358
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	41181
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	196903
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.693134308
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-20
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	172738
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	7551
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121712
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	290.8379813
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	18	18	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-663708546	-663708546	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	371434570	371434570	✔
SVDiag_HighResPhsReasDisable_M_u8	50	50 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6124	6124	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	22	22 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.300000012	0.3	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2900	2900	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.32 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	
SVDiag_HighResPhsReasDisable_M_u8	41	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.31	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3000	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	671	
SVDiag_LowResPhsReasDisable_M_u8	90	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	38463.51448	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3330	
k_ErrorFiltKn_Cnt_u16	43116	
k_ErrorThresh_Cnt_u32	101679	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	105.4563222	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	1.772034645
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	9
k_LowResPhsReas_Cnt_str.PStep	439
k_LowResPhsReas_Cnt_str.NStep	143
k_PhsReasEnableThresh_Cnt_u32	137382
k_PhsReasErrorTerm_Cnt_s16	4955
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	42727
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142090
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8201
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.336745381
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-285
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	169392
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	175573
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	86095
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	418.6133443
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	12475868	12475868	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	15584056	15584056	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	54607872	✔
SVDiag_HighResPhsReasDisable_M_u8	42	42 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.336745381	0.336745381	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5859	5859	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	528	528	✔
SVDiag_LowResPhsReasDisable_M_u8	91	91 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.310000002	0.31	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000	3000	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	94
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.32
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	625
SVDiag_LowResPhsReasDisable_M_u8	45
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	5564.854186
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.41
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3441
k_ErrorFiltKn_Cnt_u16	60893
k_ErrorThresh_Cnt_u32	17408
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	554.5994245
k_LowResPhsReasMaxTol_Uls_f32	1.367921412
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	188
k_LowResPhsReas_Cnt_str.PStep	170
k_LowResPhsReas_Cnt_str.NStep	481
k_PhsReasEnableThresh_Cnt_u32	155588
k_PhsReasErrorTerm_Cnt_s16	-2223
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	6407
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	77829
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154663
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.96130681
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1325
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	30004
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	154601
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	139027
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	622.2539914
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	95	95 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.490151227	0.490151227	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4397	4397	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	✔
SVDiag_LowResPhsReasDisable_M_u8	46	46 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.319999993	0.32	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3100	3100	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.34 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920	
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304	
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496	
SVDiag_HighResPhsReasDisable_M_u8	25	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.33	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3200	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	532	
SVDiag_LowResPhsReasDisable_M_u8	17	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30304.2415	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.42	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3552	
k_ErrorFiltKn_Cnt_u16	33351	
k_ErrorThresh_Cnt_u32	56437	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	170.2293826	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	0.988061428	
k_LowResPhsReas_Cnt_str.Threshold	733	
k_LowResPhsReas_Cnt_str.PStep	223	
k_LowResPhsReas_Cnt_str.NStep	893	
k_PhsReasEnableThresh_Cnt_u32	81034	
k_PhsReasErrorTerm_Cnt_s16	1348	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	90502	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142718	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	61703	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46394217
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-764
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	83946
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	55738
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	129486
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1350
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	48569	48569	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	64953	64953	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	73145	73145	✔
SVDiag_HighResPhsReasDisable_M_u8	26	26 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.490151227	0.490151227	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2308	2308	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	18	18 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.330000013	0.33	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3200	3200	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.35 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	
SVDiag_HighResPhsReasDisable_M_u8	55	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.34	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	186
SVDiag_LowResPhsReasDisable_M_u8	29
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	47454.04777
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.43
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3663
k_ErrorFiltKn_Cnt_u16	34516
k_ErrorThresh_Cnt_u32	68197
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	623.8492129
k_LowResPhsReasMaxTol_UIs_f32	2
k_LowResPhsReasMinTol_UIs_f32	1.720329344
k_LowResPhsReas_Cnt_str.Threshold	41
k_LowResPhsReas_Cnt_str.PStep	507
k_LowResPhsReas_Cnt_str.NStep	71
k_PhsReasEnableThresh_Cnt_u32	151998
k_PhsReasErrorTerm_Cnt_s16	-6734
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	50315
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	169232
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	38814
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_UIs_f32.value	-0.137330055
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	166
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	52285
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	175166
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	147843
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1350
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_UIs_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	775500	775500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	56	56 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.137330055	0.137330055	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3238	3238	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	115	115	✔
SVDiag_LowResPhsReasDisable_M_u8	30	30 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.340000004	0.34	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3300	3300	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.36 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	
SVDiag_HighResPhsReasDisable_M_u8	4	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.35	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	38	
SVDiag_LowResPhsReasDisable_M_u8	75	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41405.16186	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.44	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3774	
k_ErrorFiltKn_Cnt_u16	25546	
k_ErrorThresh_Cnt_u32	183881	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	798.3981082	
k_LowResPhsReasMaxTol_Uls_f32	1.364431143	
k_LowResPhsReasMinTol_Uls_f32	0.1129421	
k_LowResPhsReas_Cnt_str.Threshold	721	
k_LowResPhsReas_Cnt_str.PStep	764	
k_LowResPhsReas_Cnt_str.NStep	230	
k_PhsReasEnableThresh_Cnt_u32	34700	
k_PhsReasErrorTerm_Cnt_s16	3370	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	122085	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	113651	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	290	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.137102962	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1400	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	44275	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	135864	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11068	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	0	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	2255824	2255824	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1440610	1440610	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✔
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4744	4744	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	76	76 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.349999994	0.35	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3400	3400	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.37 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	82
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.36
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	221
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	44851.90839
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.45
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3885
k_ErrorFiltKn_Cnt_u16	32018
k_ErrorThresh_Cnt_u32	171438
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	360.7137637
k_LowResPhsReasMaxTol_Uls_f32	1.138339341
k_LowResPhsReasMinTol_Uls_f32	0.729354322
k_LowResPhsReas_Cnt_str.Threshold	552
k_LowResPhsReas_Cnt_str.PStep	355
k_LowResPhsReas_Cnt_str.NStep	854
k_PhsReasEnableThresh_Cnt_u32	187315
k_PhsReasErrorTerm_Cnt_s16	-5767
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	90649
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	146006
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	74930
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.266265631
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	965
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	114778
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	134324
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	3997
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	977.1106648
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	965	965	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.360000014	0.36	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3500	3500	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.38 (Repeat Count = 1)	✔

Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	47
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.37
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	889
SVDiag_LowResPhsReasDisable_M_u8	25
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2110.339864
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.46
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3996
k_ErrorFiltKn_Cnt_u16	53430
k_ErrorThresh_Cnt_u32	42446
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	352.3172735
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.80986619
k_LowResPhsReas_Cnt_str.Threshold	389
k_LowResPhsReas_Cnt_str.PStep	437
k_LowResPhsReas_Cnt_str.NStep	118
k_PhsReasEnableThresh_Cnt_u32	64811
k_PhsReasErrorTerm_Cnt_s16	1867
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	120834
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	39602
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	61302
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.232243598
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-92
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	151353
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	184783
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	64897
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-393.0881291
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	6053000	6053000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	7566250	7566250	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	9079500	9079500	✔
SVDiag_HighResPhsReasDisable_M_u8	48	48 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.232243598	0.232243598	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2980	2980	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	771	771	✔
SVDiag_LowResPhsReasDisable_M_u8	26	26 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.370000005	0.37	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3600	3600	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.39 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000	
SVDiag_HighResPhsReasDisable_M_u8	55	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.38	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3700	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	929	
SVDiag_LowResPhsReasDisable_M_u8	35	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	25036.2197	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.47	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4107	
k_ErrorFiltKn_Cnt_u16	0	
k_ErrorThresh_Cnt_u32	15881	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	525.5428157	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.089588821
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	73
k_LowResPhsReas_Cnt_str.PStep	810
k_LowResPhsReas_Cnt_str.NStep	608
k_PhsReasEnableThresh_Cnt_u32	13802
k_PhsReasErrorTerm_Cnt_s16	7048
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	160151
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	24327
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8814
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.041827917
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	140
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	134879
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33394
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	641
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-963.61632
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	68	68	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	81920000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	163840000	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000	245760000	✓
SVDiag_HighResPhsReasDisable_M_u8	56	56 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.0418279171	0.041827917	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	140	140	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	321	321	✓
SVDiag_LowResPhsReasDisable_M_u8	36	36 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.379999995	0.38	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3700	3700	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.40 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	38
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.39
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	624
SVDiag_LowResPhsReasDisable_M_u8	87
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15651.49492
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.48
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4218
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	73688
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	0.706945896
k_LowResPhsReasMinTol_Uls_f32	1.739165425
k_LowResPhsReas_Cnt_str.Threshold	869
k_LowResPhsReas_Cnt_str.PStep	277
k_LowResPhsReas_Cnt_str.NStep	226
k_PhsReasEnableThresh_Cnt_u32	59882
k_PhsReasErrorTerm_Cnt_s16	1015
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	40088
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	161108
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	33893
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-379
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	192051
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	75095
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	125573
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-448.220529
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	5000	5000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	6250	6250	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	7500	7500	✔
SVDiag_HighResPhsReasDisable_M_u8	39	39 ± 1	✔

DigPhsReasDiag_Per1

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5765	5765	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	398	398	✔
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.389999986	0.39	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3800	3800	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.41 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	74	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.41	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4000	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	518	
SVDiag_LowResPhsReasDisable_M_u8	41	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	22225.36724	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4440	
k_ErrorFiltKn_Cnt_u16	9725	
k_ErrorThresh_Cnt_u32	0	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	255.5506912	
k_LowResPhsReasMaxTol_Uls_f32	1.162980437	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	845	
k_LowResPhsReas_Cnt_str.PStep	357	
k_LowResPhsReas_Cnt_str.NStep	712	
k_PhsReasEnableThresh_Cnt_u32	32170	
k_PhsReasErrorTerm_Cnt_s16	-2527	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	188035	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	46105	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	98589	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.478252053
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.24714154
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	716
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	151350
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	38354
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	157643
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-758.1775091
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	42	42	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-692775	-692775	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1395275	-1395275	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2088050	-2088050	✔
SVDiag_HighResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.24714154	0.24714154	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	716	716	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	42	42 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.409999996	0.41	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000	4000	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.42 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	22	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.42	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	875
SVDiag_LowResPhsReasDisable_M_u8	60
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	9849.967907
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.51
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4551
k_ErrorFiltKn_Cnt_u16	58451
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	63.38186914
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.244346201
k_LowResPhsReas_Cnt_str.Threshold	888
k_LowResPhsReas_Cnt_str.PStep	480
k_LowResPhsReas_Cnt_str.NStep	251
k_PhsReasEnableThresh_Cnt_u32	175642
k_PhsReasErrorTerm_Cnt_s16	2517
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	25785
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	10729
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	169660
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.787022114
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-859
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4857
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	146945
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104094
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	846.5524548
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	23	23 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.787022114	0.787022114	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5285	5285	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	624	624	✔
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.419999987	0.42	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4100	4100	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.43 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	0	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.43	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4200	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	539	
SVDiag_LowResPhsReasDisable_M_u8	19	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15735.00934	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.52	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4662	
k_ErrorFiltKn_Cnt_u16	61805	
k_ErrorThresh_Cnt_u32	168342	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	890.8103936	
k_LowResPhsReasMaxTol_Uls_f32	0.480914354	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	142	
k_LowResPhsReas_Cnt_str.PStep	220	
k_LowResPhsReas_Cnt_str.NStep	280	
k_PhsReasEnableThresh_Cnt_u32	32617	
k_PhsReasErrorTerm_Cnt_s16	-7263	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	91475	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34178	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183241	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.431435525	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-890	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	22202	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	161639	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	120147	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-753.1787578	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-163515	-163515	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-332870	-332870	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-388835	-388835	✔
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.431435525	0.431435525	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2182	2182	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	142	142	✔
SVDiag_LowResPhsReasDisable_M_u8	20	20 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.430000007	0.43	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4200	4200	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.44 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	100	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.44	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4300	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	525	
SVDiag_LowResPhsReasDisable_M_u8	95	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	69303.04221	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.53	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4773
k_ErrorFiltKn_Cnt_u16	25034
k_ErrorThresh_Cnt_u32	53633
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	345.946146
k_LowResPhsReasMaxTol_Uls_f32	1.9973858
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	911
k_LowResPhsReas_Cnt_str.PStep	366
k_LowResPhsReas_Cnt_str.NStep	439
k_PhsReasEnableThresh_Cnt_u32	87021
k_PhsReasErrorTerm_Cnt_s16	4774
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	195079
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	149367
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	99615
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-543
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	174063
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	133658
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	43266
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-144.6736574
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	191520	191520	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-67058556	-67058556	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	9486664	9486664	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5601	5601	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	86	86	✔
SVDiag_LowResPhsReasDisable_M_u8	96	96 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.439999998	0.44	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	4300	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.45 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	42
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.45
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	63
SVDiag_LowResPhsReasDisable_M_u8	26
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	50434.40961
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.54
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4884
k_ErrorFiltKn_Cnt_u16	63920
k_ErrorThresh_Cnt_u32	47518
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	109.7124118
k_LowResPhsReasMaxTol_Uls_f32	0.76492703
k_LowResPhsReasMinTol_Uls_f32	1.999789953
k_LowResPhsReas_Cnt_str.Threshold	950
k_LowResPhsReas_Cnt_str.PStep	768
k_LowResPhsReas_Cnt_str.NStep	660
k_PhsReasEnableThresh_Cnt_u32	185321
k_PhsReasErrorTerm_Cnt_s16	4318
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	69753
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34697
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	166641
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.841467023
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.22442013
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-234
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	94301
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	56798
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	147579
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	954.8141541
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.22442013	0.22442013	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2838	2838	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	27	27 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.449999988	0.45	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4400	4400	✔

T			✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.46 (Repeat Count = 1)		✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	74
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.46
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	651
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	55039.09688
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.55
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4995
k_ErrorFiltKn_Cnt_u16	26377
k_ErrorThresh_Cnt_u32	145686
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	612.5805455

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	1.073936641
k_LowResPhsReasMinTol_Uls_f32	1.933434784
k_LowResPhsReas_Cnt_str.Threshold	989
k_LowResPhsReas_Cnt_str.PStep	232
k_LowResPhsReas_Cnt_str.NStep	599
k_PhsReasEnableThresh_Cnt_u32	93387
k_PhsReasErrorTerm_Cnt_s16	7477
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26772
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	123517
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	54615
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.113378525
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.946974516
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	741
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	43630
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	107287
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	51133
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-73.47111881
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	56057360	56057360	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	54607872	✔
SVDiag_HighResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.946974516	0.946974516	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3813	3813	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	52	52	✔
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.460000008	0.46	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500	4500	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.47 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	11
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.47
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	215
SVDiag_LowResPhsReasDisable_M_u8	100
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	12726.1041
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.56
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5106
k_ErrorFiltKn_Cnt_u16	45018
k_ErrorThresh_Cnt_u32	149217
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	159.4128509
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.978752732
k_LowResPhsReas_Cnt_str.Threshold	842
k_LowResPhsReas_Cnt_str.PStep	265
k_LowResPhsReas_Cnt_str.NStep	911
k_PhsReasEnableThresh_Cnt_u32	197791
k_PhsReasErrorTerm_Cnt_s16	6377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	85
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	110121
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	111040
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.033400714
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1173
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	153006
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83593
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	178495
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1094.287715
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	12	12 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.0334007144	0.033400714	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1899	1899	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.469999999	0.47	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4600	4600	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.48 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	44	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.48	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4700	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	725	
SVDiag_LowResPhsReasDisable_M_u8	42	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	58659.56285	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.57	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5217	
k_ErrorFiltKn_Cnt_u16	37587	
k_ErrorThresh_Cnt_u32	32020	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	41.79331511	
k_LowResPhsReasMaxTol_Uls_f32	1.602493823	
k_LowResPhsReasMinTol_Uls_f32	1.866541564	
k_LowResPhsReas_Cnt_str.Threshold	58	
k_LowResPhsReas_Cnt_str.PStep	574	
k_LowResPhsReas_Cnt_str.NStep	775	
k_PhsReasEnableThresh_Cnt_u32	86275	
k_PhsReasErrorTerm_Cnt_s16	3294	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184529	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	128618	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	18218	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.325536013
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.800645947
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-197
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	90296
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	8860
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	19835
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-153.0103319
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-1543941	-1543941	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2706234	-2706234	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	-7372800	✔
SVDiag_HighResPhsReasDisable_M_u8	45	45 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.800645947	0.800645947	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5947	5947	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	43	43 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.479999989	0.48	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4700	4700	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.49 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	83
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.49
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	27
SVDiag_LowResPhsReasDisable_M_u8	38
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15373.68287
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.58
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5328
k_ErrorFiltKn_Cnt_u16	24995
k_ErrorThresh_Cnt_u32	140922
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	759.4572812
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.444447041
k_LowResPhsReas_Cnt_str.Threshold	15
k_LowResPhsReas_Cnt_str.PStep	362
k_LowResPhsReas_Cnt_str.NStep	228
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	-4558
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	5552
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	125704
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154826
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.498207688
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.136701763
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	997
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69673
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	157998
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13036
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	595.885945
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-50676250	-50676250	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-101352500	-101352500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-152028750	-152028750	✔
SVDiag_HighResPhsReasDisable_M_u8	84	84 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.136701763	0.136701763	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	997	997	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	39	39 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.49000001	0.49	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4800	4800	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.50 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	57
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.5
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	317
SVDiag_LowResPhsReasDisable_M_u8	64
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19190.02149
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.59
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5439
k_ErrorFiltKn_Cnt_u16	32255
k_ErrorThresh_Cnt_u32	29783
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	702.7368062
k_LowResPhsReasMaxTol_Uls_f32	0.415904939
k_LowResPhsReasMinTol_Uls_f32	0.049414694
k_LowResPhsReas_Cnt_str.Threshold	506
k_LowResPhsReas_Cnt_str.PStep	45
k_LowResPhsReas_Cnt_str.NStep	417
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	-951
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	156923
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	14217
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	108078
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.926446915
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	225
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	195300
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	73268
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	119260
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	477.3782057
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	58	58 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.926446915	0.926446915	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	225	225	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	65	65 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4900	4900	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.51 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	77
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.51
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	792
SVDiag_LowResPhsReasDisable_M_u8	74
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	57360.34714
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.6
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5550
k_ErrorFiltKn_Cnt_u16	48777
k_ErrorThresh_Cnt_u32	54005
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	27.02146125
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.030959487
k_LowResPhsReas_Cnt_str.Threshold	387
k_LowResPhsReas_Cnt_str.PStep	288
k_LowResPhsReas_Cnt_str.NStep	135
k_PhsReasEnableThresh_Cnt_u32	81038
k_PhsReasErrorTerm_Cnt_s16	1822
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	46988
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	196859
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	146601
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.730648875
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	827
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	114647
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	26907
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	30607
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-658.2043502
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9334013	9334013	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	11655322	11655322	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	13976631	13976631	✔
SVDiag_HighResPhsReasDisable_M_u8	78	78 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	827	827	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	657	657	✔
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.50999999	0.51	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5000	5000	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.52 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	29
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.52
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	526
SVDiag_LowResPhsReasDisable_M_u8	71
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	59495.03321
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.61
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5661
k_ErrorFiltKn_Cnt_u16	44054
k_ErrorThresh_Cnt_u32	96416
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	274.9853062
k_LowResPhsReasMaxTol_Uls_f32	0.744173348
k_LowResPhsReasMinTol_Uls_f32	1.259481847
k_LowResPhsReas_Cnt_str.Threshold	376
k_LowResPhsReas_Cnt_str.PStep	368
k_LowResPhsReas_Cnt_str.NStep	311
k_PhsReasEnableThresh_Cnt_u32	33129
k_PhsReasErrorTerm_Cnt_s16	-10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	181762
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	41890
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173694
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-633
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	5419
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	105139
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	144013
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-747.4518609
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2977806	-2977806	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-5955612	-5955612	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-8933418	-8933418	✔
SVDiag_HighResPhsReasDisable_M_u8	30	30 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5511	5511	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	215	215	✔
SVDiag_LowResPhsReasDisable_M_u8	72	72 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.519999981	0.52	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5100	5100	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.53 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920	
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304	
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496	
SVDiag_HighResPhsReasDisable_M_u8	7	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.53	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5200	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	284	
SVDiag_LowResPhsReasDisable_M_u8	18	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	58658.92341	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.62	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5772	
k_ErrorFiltKn_Cnt_u16	34283	
k_ErrorThresh_Cnt_u32	61455	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	802.0778412	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	1.366944551
k_LowResPhsReas_Cnt_str.Threshold	453
k_LowResPhsReas_Cnt_str.PStep	637
k_LowResPhsReas_Cnt_str.NStep	228
k_PhsReasEnableThresh_Cnt_u32	132250
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	50035
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	115427
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	151926
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.445432723
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1320
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	174156
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	140500
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	48952
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	361.213706
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	47637	47637	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	64021	64021	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	72213	72213	✔
SVDiag_HighResPhsReasDisable_M_u8	8	8 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.445432723	0.445432723	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1752	1752	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	56	56	✔
SVDiag_LowResPhsReasDisable_M_u8	19	19 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.529999971	0.53	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5200	5200	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.54 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	63
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.54
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	814
SVDiag_LowResPhsReasDisable_M_u8	5
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	57963.59505
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.63
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5883
k_ErrorFiltKn_Cnt_u16	247
k_ErrorThresh_Cnt_u32	177020
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	600.5355268
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.727967083
k_LowResPhsReas_Cnt_str.Threshold	276
k_LowResPhsReas_Cnt_str.PStep	493
k_LowResPhsReas_Cnt_str.NStep	837
k_PhsReasEnableThresh_Cnt_u32	196839
k_PhsReasErrorTerm_Cnt_s16	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	106426
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	176201
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.82739377
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	380
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	161749
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	36173
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1083.635401
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	816236	816236	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	64	64 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.82739377	0.82739377	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3452	3452	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.540000021	0.54	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5300	5300	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.55 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	
SVDiag_HighResPhsReasDisable_M_u8	50	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.55	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	755	
SVDiag_LowResPhsReasDisable_M_u8	24	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29159.99095	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.64	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5994	
k_ErrorFiltKn_Cnt_u16	42542	
k_ErrorThresh_Cnt_u32	135784	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	506.8940983	
k_LowResPhsReasMaxTol_Uls_f32	0	
k_LowResPhsReasMinTol_Uls_f32	0.407167554	
k_LowResPhsReas_Cnt_str.Threshold	86	
k_LowResPhsReas_Cnt_str.PStep	379	
k_LowResPhsReas_Cnt_str.NStep	873	
k_PhsReasEnableThresh_Cnt_u32	154721	
k_PhsReasErrorTerm_Cnt_s16	8983	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48599	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	186103	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	13959	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.261771858
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	8
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	102355
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	103508
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	55894
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	612.5526271
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	845750	845750	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✓
SVDiag_HighResPhsReasDisable_M_u8	51	51 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.261771858	0.261771858	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3080	3080	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	25	25 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.550000012	0.55	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5400	5400	✓

T					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✓	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓	
Read_CountToRev	3	Read_CountToRev	3	✓	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✓	

Test Step 2.56 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	69
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.56
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	530
SVDiag_LowResPhsReasDisable_M_u8	20
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41737.25828
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.65
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6105
k_ErrorFiltKn_Cnt_u16	58230
k_ErrorThresh_Cnt_u32	130622
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	567.8109986
k_LowResPhsReasMaxTol_Uls_f32	1.582519591
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	502
k_LowResPhsReas_Cnt_str.PStep	41
k_LowResPhsReas_Cnt_str.NStep	364
k_PhsReasEnableThresh_Cnt_u32	113629
k_PhsReasErrorTerm_Cnt_s16	-4925
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	150023
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	126550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	6433
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.405353904
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	579
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	46252
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99215
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190079
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	152.9415138
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	32	32	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	792084260	792084260	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	236609860	236609860	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1298118450	-1298118450	✔
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.405353904	0.405353904	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3651	3651	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	166	166	✔
SVDiag_LowResPhsReasDisable_M_u8	21	21 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.560000002	0.56	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5500	5500	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.57 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	35
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.57
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	844
SVDiag_LowResPhsReasDisable_M_u8	98
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	5003.028737
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.66
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100
k_ErrorFiltKn_Cnt_u16	21723
k_ErrorThresh_Cnt_u32	170217
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	982.5199534
k_LowResPhsReasMaxTol_Uls_f32	0.03418386
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	658
k_LowResPhsReas_Cnt_str.PStep	29
k_LowResPhsReas_Cnt_str.NStep	528
k_PhsReasEnableThresh_Cnt_u32	76736
k_PhsReasErrorTerm_Cnt_s16	-4925
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	75966
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	154269
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	199262
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.809941888
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-454
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	89793
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	136641
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	194985
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-259.709338
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-1435620571	-1435620571	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1435620571	-1435620571	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1435620571	-1435620571	✔
SVDiag_HighResPhsReasDisable_M_u8	36	36 ± 1	✔
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5690	5690	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	658	658	✔
SVDiag_LowResPhsReasDisable_M_u8	99	99 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.569999993	0.57	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5600	5600	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.58 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	2147418112
SVDiag_HighResPhsReasDisable_M_u8	63
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.58
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	669
SVDiag_LowResPhsReasDisable_M_u8	17
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	53712.18751
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.67
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	200
k_ErrorFiltKn_Cnt_u16	29944
k_ErrorThresh_Cnt_u32	66605
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	135.7016218
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1
k_LowResPhsReas_Cnt_str.Threshold	165
k_LowResPhsReas_Cnt_str.PStep	323
k_LowResPhsReas_Cnt_str.NStep	811
k_PhsReasEnableThresh_Cnt_u32	55421
k_PhsReasErrorTerm_Cnt_s16	-6034
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	144998
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	161434
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	47523
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.467590809
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	409
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	170974
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	88218
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	195391
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-498.116707
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	21	21	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	1166243064	1166243064	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1166243064	1166243064	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	1166243064	1166243064	✔
SVDiag_HighResPhsReasDisable_M_u8	64	64 ± 1	✔
SVDiag_LRPRAdjModIdAComp_M_f32	0.467590809	0.467590809	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3481	3481	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	18	18 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_M_f32	0.579999983	0.58	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5700	5700	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.59 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	0
SVDiag_FilterSV_Cnt_M_s18p13[1]	0
SVDiag_FilterSV_Cnt_M_s18p13[2]	0
SVDiag_HighResPhsReasDisable_M_u8	16
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.59
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	832
SVDiag_LowResPhsReasDisable_M_u8	66
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.68
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	300
k_ErrorFiltKn_Cnt_u16	59326
k_ErrorThresh_Cnt_u32	69418
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	921.1685183
k_LowResPhsReasMaxTol_Uls_f32	0.241667032
k_LowResPhsReasMinTol_Uls_f32	0.824356914
k_LowResPhsReas_Cnt_str.Threshold	150
k_LowResPhsReas_Cnt_str.PStep	109
k_LowResPhsReas_Cnt_str.NStep	574
k_PhsReasEnableThresh_Cnt_u32	152850
k_PhsReasErrorTerm_Cnt_s16	7314
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184816
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	156479
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	10001
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.96814543
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1043
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	179520
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	29422
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	36298
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	591.6226729
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	0	0	✔
SVDiag_HighResPhsReasDisable_M_u8	17	17 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.96814543	0.96814543	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5101	5101	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	150	150	✔
SVDiag_LowResPhsReasDisable_M_u8	67	67 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.589999974	0.59	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5800	5800	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.60 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	
SVDiag_HighResPhsReasDisable_M_u8	91	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.6	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5900	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	619	
SVDiag_LowResPhsReasDisable_M_u8	91	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.060441911
k_LowResPhsReas_Cnt_str.Threshold	362
k_LowResPhsReas_Cnt_str.PStep	441
k_LowResPhsReas_Cnt_str.NStep	638
k_PhsReasEnableThresh_Cnt_u32	47612
k_PhsReasErrorTerm_Cnt_s16	-5730
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	162126
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59221
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	38277
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1250
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	135120
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	55505
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	124694
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-585.4597855
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaｐ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cｒ	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	296511084	296511084	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	235562110	235562110	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-112120295	-112120295	✓
SVDiag_HighResPhsReasDisable_M_u8	92	92 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1250	1250	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	92	92 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5900	5900	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.61 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	37
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.61
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	872
SVDiag_LowResPhsReasDisable_M_u8	27
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	69900
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.7
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	500
k_ErrorFiltKn_Cnt_u16	30471
k_ErrorThresh_Cnt_u32	165996
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	830.648425
k_LowResPhsReasMaxTol_Uls_f32	0.890998006
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	161
k_LowResPhsReas_Cnt_str.PStep	314
k_LowResPhsReas_Cnt_str.NStep	824
k_PhsReasEnableThresh_Cnt_u32	20000
k_PhsReasErrorTerm_Cnt_s16	-3838
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	27402
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	74858
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	93818
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.091156125
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.184832156
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-401
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	112106
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	115672
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13646
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	444.318046
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaｐ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-20978	-20978	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-72427	-72427	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-123876	-123876	✔
SVDiag_HighResPhsReasDisable_M_u8	38	38 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.184832156	0.184832156	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2671	2671	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	48	48	✔
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.610000014	0.61	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6000	6000	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.62 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	82	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.62	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6100	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	953	
SVDiag_LowResPhsReasDisable_M_u8	25	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	71111.01352	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.71	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600	
k_ErrorFiltKn_Cnt_u16	0	
k_ErrorThresh_Cnt_u32	164667	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	781.2031699	
k_LowResPhsReasMaxTol_Uls_f32	1.7767784	
k_LowResPhsReasMinTol_Uls_f32	0.697349846	
k_LowResPhsReas_Cnt_str.Threshold	651	
k_LowResPhsReas_Cnt_str.PStep	282	
k_LowResPhsReas_Cnt_str.NStep	819	
k_PhsReasEnableThresh_Cnt_u32	121912	
k_PhsReasErrorTerm_Cnt_s16	-9053	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	177458	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	93853	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	43590	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.077201843
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.230777502
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	968
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	87288
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	57425
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121875
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	245.5806819
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	✓
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.230777502	0.230777502	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4040	4040	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	134	134	✓
SVDiag_LowResPhsReasDisable_M_u8	26	26 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.620000005	0.62	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6100	6100	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.63 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	16	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.63	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	111
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	128
SVDiag_LowResPhsReasDisable_M_u8	77
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	61050.75751
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.72
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	700
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	169033
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	667.2529855
k_LowResPhsReasMaxTol_Uls_f32	0.272818565
k_LowResPhsReasMinTol_Uls_f32	0.107905984
k_LowResPhsReas_Cnt_str.Threshold	962
k_LowResPhsReas_Cnt_str.PStep	48
k_LowResPhsReas_Cnt_str.NStep	117
k_PhsReasEnableThresh_Cnt_u32	37411
k_PhsReasErrorTerm_Cnt_s16	-1047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	77134
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	126651
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	32592
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.726364493
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1032
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	130821
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	52905
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	159432
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-699.5581169
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	49095	49095	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	32670	32670	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	32655	32655	✔
SVDiag_HighResPhsReasDisable_M_u8	17	17 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5112	5112	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	78	78 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.629999995	0.63	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	111	111	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.64 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	50	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.64	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	222	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	536	
SVDiag_LowResPhsReasDisable_M_u8	76	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	56070.39268	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.73	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	800	
k_ErrorFiltKn_Cnt_u16	15454	
k_ErrorThresh_Cnt_u32	142299	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	482.1488878	
k_LowResPhsReasMaxTol_Uls_f32	0.387054026	
k_LowResPhsReasMinTol_Uls_f32	0.216386497	
k_LowResPhsReas_Cnt_str.Threshold	380	
k_LowResPhsReas_Cnt_str.PStep	420	
k_LowResPhsReas_Cnt_str.NStep	560	
k_PhsReasEnableThresh_Cnt_u32	20000	
k_PhsReasErrorTerm_Cnt_s16	-3400	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	166081	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	96410	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	188134	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.831977129	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-3	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	30482	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	41745	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	97531	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1027.598453	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	205895296	205895296	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-13039868	-13039868	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-6223000	-6223000	✔
SVDiag_HighResPhsReasDisable_M_u8	51	51 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6141	6141	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	77	77 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.639999986	0.64	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222	222	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.65 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	3
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.65
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	333
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	952
SVDiag_LowResPhsReasDisable_M_u8	39
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	27992.82329
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.74
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	900
k_ErrorFiltKn_Cnt_u16	33604
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	1.049779773
k_LowResPhsReasMinTol_Uls_f32	0.18299818
k_LowResPhsReas_Cnt_str.Threshold	10
k_LowResPhsReas_Cnt_str.PStep	233
k_LowResPhsReas_Cnt_str.NStep	651
k_PhsReasEnableThresh_Cnt_u32	163330
k_PhsReasErrorTerm_Cnt_s16	2419
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	22811
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	170178
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	41369
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.730837464
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.167546451
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1433
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	28214
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	36881
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	118426
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	708.8457238
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	68	68	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	8894316	8894316	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	4	4 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.167546451	0.167546451	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4711	4711	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	301	301	✔
SVDiag_LowResPhsReasDisable_M_u8	40	40 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.649999976	0.65	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	333	333	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.66 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	75
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.66
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	444
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	476
SVDiag_LowResPhsReasDisable_M_u8	15
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	38778.7106
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1000
k_ErrorFiltKn_Cnt_u16	48734
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.469503462
k_LowResPhsReas_Cnt_str.Threshold	649
k_LowResPhsReas_Cnt_str.PStep	198
k_LowResPhsReas_Cnt_str.NStep	814
k_PhsReasEnableThresh_Cnt_u32	132065
k_PhsReasErrorTerm_Cnt_s16	-2564
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	19402
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	37242
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59580
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.534251213
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	761
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	182369
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	104001
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	187662
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	359.1404709
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	9357878	9357878	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	45506560	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	14012450	14012450	✓
SVDiag_HighResPhsReasDisable_M_u8	76	76 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.534251213	0.534251213	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3833	3833	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.660000026	0.66	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444	444	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✓

Test Step 2.67 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	
SVDiag_HighResPhsReasDisable_M_u8	84	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.67	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	555	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	522	
SVDiag_LowResPhsReasDisable_M_u8	57	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	42258.94874	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.76	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1100	
k_ErrorFiltKn_Cnt_u16	3500	
k_ErrorThresh_Cnt_u32	81038	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	105	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.607616186
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	583
k_LowResPhsReas_Cnt_str.PStep	528
k_LowResPhsReas_Cnt_str.NStep	951
k_PhsReasEnableThresh_Cnt_u32	13641
k_PhsReasErrorTerm_Cnt_s16	8713
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	116776
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	58448
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	58695
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.359473109
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.712560236
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1047
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	165354
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	132562
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71692
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-965.4159505
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8614812	-8614812	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-17229624	-17229624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-25844436	-25844436	✔
SVDiag_HighResPhsReasDisable_M_u8	85	85 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.712560236	0.712560236	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1047	1047	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	58	58 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.670000017	0.67	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	555	555	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.68 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	29
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	666
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	12
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	45806.22157
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.77
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1200
k_ErrorFiltKn_Cnt_u16	36333
k_ErrorThresh_Cnt_u32	20382
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	568.6031012
k_LowResPhsReasMaxTol_Uls_f32	0.649018586
k_LowResPhsReasMinTol_Uls_f32	1.483640134
k_LowResPhsReas_Cnt_str.Threshold	922
k_LowResPhsReas_Cnt_str.PStep	549
k_LowResPhsReas_Cnt_str.NStep	852
k_PhsReasEnableThresh_Cnt_u32	93067
k_PhsReasErrorTerm_Cnt_s16	4651
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	718
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	65130
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	137606
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.868686438
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.639629483
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-631
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	17557
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	194619
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	81892
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-77.04264593
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	-3686400	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2829126	-2829126	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-3267171	-3267171	✔
SVDiag_HighResPhsReasDisable_M_u8	30	30 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.639629483	0.639629483	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2441	2441	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	13	13 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666	666	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.69 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	42	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	777	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000	
SVDiag_LowResPhsReasDisable_M_u8	27	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	60701.37884	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.78	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1300	
k_ErrorFiltKn_Cnt_u16	29348	
k_ErrorThresh_Cnt_u32	46003	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	176.3621515	
k_LowResPhsReasMaxTol_Uls_f32	0.214813828	
k_LowResPhsReasMinTol_Uls_f32	1.529430628	
k_LowResPhsReas_Cnt_str.Threshold	416	
k_LowResPhsReas_Cnt_str.PStep	397	
k_LowResPhsReas_Cnt_str.NStep	652	
k_PhsReasEnableThresh_Cnt_u32	19817	
k_PhsReasErrorTerm_Cnt_s16	-8722	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108203	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	21683	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159603	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.31260407
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.185294211
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-242
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	44968
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	52724
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	51915
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-896.3371812
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-45235000	-45235000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-90470000	-90470000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-135705000	-135705000	✔
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.185294211	0.185294211	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2830	2830	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	348	348	✔
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	777	777	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.70 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	51	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.5	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	888
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	944
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24906.16724
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.79
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1400
k_ErrorFiltKn_Cnt_u16	33804
k_ErrorThresh_Cnt_u32	154039
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	711.2695099
k_LowResPhsReasMaxTol_Uls_f32	0.009920776
k_LowResPhsReasMinTol_Uls_f32	0.735626042
k_LowResPhsReas_Cnt_str.Threshold	591
k_LowResPhsReas_Cnt_str.PStep	305
k_LowResPhsReas_Cnt_str.NStep	433
k_PhsReasEnableThresh_Cnt_u32	131986
k_PhsReasErrorTerm_Cnt_s16	-3179
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	45309
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59727
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	54928
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	44
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48171
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83084
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	177478
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	358.2577893
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	13241472	13241472	✔
SVDiag_HighResPhsReasDisable_M_u8	52	52 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	44	44	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	511	511	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	33923700	33923700	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	40705102	40705102	✔
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4620	4620	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.680000007	0.68	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.72 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	
SVDiag_HighResPhsReasDisable_M_u8	67	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.69	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6144	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	345	
SVDiag_LowResPhsReasDisable_M_u8	47	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51490.30053	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.81	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1600
k_ErrorFiltKn_Cnt_u16	42410
k_ErrorThresh_Cnt_u32	75745
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	799.9812991
k_LowResPhsReasMaxTol_Uls_f32	1.667952597
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	4
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	363
k_PhsReasEnableThresh_Cnt_u32	91283
k_PhsReasErrorTerm_Cnt_s16	1433
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	61316
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	3528
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	146619
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.117531061
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.396101594
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	509
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48944
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	165339
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-97.00191712
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-116449756	-116449756	✔
SVDiag_HighResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.396101594	0.396101594	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	509	509	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	48	48 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.689999998	0.69	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.73 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	98
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.7
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	555
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	37
SVDiag_LowResPhsReasDisable_M_u8	57
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	54846.5631
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.82
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1700
k_ErrorFiltKn_Cnt_u16	21629
k_ErrorThresh_Cnt_u32	6916
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	932.1623722
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.105107307
k_LowResPhsReas_Cnt_str.Threshold	639
k_LowResPhsReas_Cnt_str.PStep	773
k_LowResPhsReas_Cnt_str.NStep	89
k_PhsReasEnableThresh_Cnt_u32	1782
k_PhsReasErrorTerm_Cnt_s16	-5038
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	60248
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	177435
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	31246
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.698479354
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1465
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	167067
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	161942
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13929
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1098.061662
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	60291	60291	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	76675	76675	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	84867	84867	✔
SVDiag_HighResPhsReasDisable_M_u8	99	99 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.698479354	0.698479354	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1465	1465	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	58	58 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.699999988	0.7	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	555	555	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.74 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	
SVDiag_HighResPhsReasDisable_M_u8	9	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.71	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	999	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	174	
SVDiag_LowResPhsReasDisable_M_u8	23	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	26878.60102	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.83	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1800	
k_ErrorFiltKn_Cnt_u16	41809	
k_ErrorThresh_Cnt_u32	140295	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	350.3144043	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.779447973
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	755
k_LowResPhsReas_Cnt_str.PStep	823
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	106257
k_PhsReasErrorTerm_Cnt_s16	8685
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	37659
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	129631
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193954
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.303319454
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	83098
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	110948
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104374
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	70.48811805
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	593175	593175	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	910667	910667	✔
SVDiag_HighResPhsReasDisable_M_u8	10	10 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.303319454	0.303319454	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1823	1823	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	174	174	✔
SVDiag_LowResPhsReasDisable_M_u8	24	24 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.709999979	0.71	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	999	999	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.75 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	78
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.72
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1111
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51978.4479
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.84
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1900
k_ErrorFiltKn_Cnt_u16	54515
k_ErrorThresh_Cnt_u32	96983
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	86.71005368
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.395847201
k_LowResPhsReas_Cnt_str.Threshold	786
k_LowResPhsReas_Cnt_str.PStep	591
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	122411
k_PhsReasErrorTerm_Cnt_s16	-1665
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	170309
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	138802
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	43562
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.504009128
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.951426446
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	862
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	11311
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	65332
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11886
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	251.1646431
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	633560	633560	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	426695	426695	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✔
SVDiag_HighResPhsReasDisable_M_u8	79	79 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.951426446	0.951426446	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3934	3934	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.720000029	0.72	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1111	1111	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.76 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	
SVDiag_HighResPhsReasDisable_M_u8	67	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.73	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1223	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	345	
SVDiag_LowResPhsReasDisable_M_u8	47	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51490.30053	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.85	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2000	
k_ErrorFiltKn_Cnt_u16	42410	
k_ErrorThresh_Cnt_u32	75745	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	799.9812991	
k_LowResPhsReasMaxTol_Uls_f32	1.667952597	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	4	
k_LowResPhsReas_Cnt_str.PStep	1000	
k_LowResPhsReas_Cnt_str.NStep	363	
k_PhsReasEnableThresh_Cnt_u32	91283	
k_PhsReasErrorTerm_Cnt_s16	1433	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	61316	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	3528	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	146619	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.117531061
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.396101594
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	509
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48944
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	165339
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-97.00191712
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaf	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-116449756	-116449756	✔
SVDiag_HighResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.396101594	0.396101594	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	509	509	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	48	48 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.730000019	0.73	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1223	1223	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.77 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.74
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1335
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	728
SVDiag_LowResPhsReasDisable_M_u8	25
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	58589.71287
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.86
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2100
k_ErrorFiltKn_Cnt_u16	21945
k_ErrorThresh_Cnt_u32	143948
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	586.1553687
k_LowResPhsReasMaxTol_Uls_f32	1.985787213
k_LowResPhsReasMinTol_Uls_f32	0.286400735
k_LowResPhsReas_Cnt_str.Threshold	248
k_LowResPhsReas_Cnt_str.PStep	51
k_LowResPhsReas_Cnt_str.NStep	688
k_PhsReasEnableThresh_Cnt_u32	172718
k_PhsReasErrorTerm_Cnt_s16	-4324
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	15219
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	51510
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	119042
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.234095216
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1401
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	135252
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35469
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	90314
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	813.8449678
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.234095216	0.234095216	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1671	1671	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	40	40	✔
SVDiag_LowResPhsReasDisable_M_u8	26	26 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.74000001	0.74	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1335	1335	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.78 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000	
SVDiag_HighResPhsReasDisable_M_u8	97	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.75	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1447	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	197	
SVDiag_LowResPhsReasDisable_M_u8	96	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	4526.438637	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.87	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2200	
k_ErrorFiltKn_Cnt_u16	16995	
k_ErrorThresh_Cnt_u32	89466	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	900.360134	
k_LowResPhsReasMaxTol_Uls_f32	0.266519666	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	0	
k_LowResPhsReas_Cnt_str.PStep	313	
k_LowResPhsReas_Cnt_str.NStep	618	
k_PhsReasEnableThresh_Cnt_u32	62996	
k_PhsReasErrorTerm_Cnt_s16	8526	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	39409	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	80217	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	107190	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1432	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	25185	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	112692	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	39638	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-413.3882061	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	32768000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	30338125	30338125	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	36405750	36405750	✔
SVDiag_HighResPhsReasDisable_M_u8	98	98 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1432	1432	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	97	97 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75	0.75	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1447	1447	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.79 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000	
SVDiag_HighResPhsReasDisable_M_u8	100	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.76	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1559	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	16	
SVDiag_LowResPhsReasDisable_M_u8	5	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	66901.88676	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.88	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2300
k_ErrorFiltKn_Cnt_u16	8049
k_ErrorThresh_Cnt_u32	81169
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	713.8112069
k_LowResPhsReasMaxTol_Uls_f32	1.168768108
k_LowResPhsReasMinTol_Uls_f32	1.658713639
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	784
k_LowResPhsReas_Cnt_str.NStep	462
k_PhsReasEnableThresh_Cnt_u32	56064
k_PhsReasErrorTerm_Cnt_s16	4112
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	27568
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	131097
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	36483
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.834954023
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	7618
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	55622
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	75344
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-490.9245852
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	81920000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	215514580	215514580	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	172345071	172345071	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.834954023	0.834954023	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4608	4608	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75999999	0.76	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1559	1559	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.80 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	69
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.77
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1671
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	818
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	66717.1036
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.89
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2400
k_ErrorFiltKn_Cnt_u16	53026
k_ErrorThresh_Cnt_u32	158783
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	444.1993823
k_LowResPhsReasMaxTol_Uls_f32	0.541185379
k_LowResPhsReasMinTol_Uls_f32	1.832213044
k_LowResPhsReas_Cnt_str.Threshold	424
k_LowResPhsReas_Cnt_str.PStep	42
k_LowResPhsReas_Cnt_str.NStep	113
k_PhsReasEnableThresh_Cnt_u32	122649
k_PhsReasErrorTerm_Cnt_s16	8699
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	68403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	54961
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154888
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.542047858
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	580
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	191120
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	90539
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	4688
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	253.8297549
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	62550000	62550000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	409600000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	93825000	93825000	✔
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	580	580	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	705	705	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.769999981	0.77	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1671	1671	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.81 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760	
SVDiag_HighResPhsReasDisable_M_u8	69	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.78	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1783	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	828	
SVDiag_LowResPhsReasDisable_M_u8	8	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	59954.45694	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.9	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2500	
k_ErrorFiltKn_Cnt_u16	23420	
k_ErrorThresh_Cnt_u32	155276	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	424.9981739	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	1.248945773
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	77
k_LowResPhsReas_Cnt_str.PStep	949
k_LowResPhsReas_Cnt_str.NStep	794
k_PhsReasEnableThresh_Cnt_u32	73028
k_PhsReasErrorTerm_Cnt_s16	-352
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	167469
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	191364
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	118315
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.925942659
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.75757587
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	577
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	185721
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	32162
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44770
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-301.1813734
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-52425620	-52425620	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	466994900	466994900	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	216178460	216178460	✔
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.75757587	0.75757587	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3649	3649	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	77	77	✔
SVDiag_LowResPhsReasDisable_M_u8	9	9 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.779999971	0.78	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1783	1783	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.82 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable_M_u8	18
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.79
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1895
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	995
SVDiag_LowResPhsReasDisable_M_u8	72
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	25692.32289
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.91
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2600
k_ErrorFiltKn_Cnt_u16	37928
k_ErrorThresh_Cnt_u32	115298
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	902.1493455
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	940
k_LowResPhsReas_Cnt_str.PStep	121
k_LowResPhsReas_Cnt_str.NStep	290
k_PhsReasEnableThresh_Cnt_u32	108988
k_PhsReasErrorTerm_Cnt_s16	-3582
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	93062
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	45669
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159615
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-985
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	154103
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	155670
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	27685
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	101.0338351
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-326136	-326136	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-690200	-690200	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1016336	-1016336	✔
SVDiag_HighResPhsReasDisable_M_u8	19	19 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5159	5159	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	705	705	✓
SVDiag_LowResPhsReasDisable_M_u8	73	73 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.790000021	0.79	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1895	1895	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 2.83 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	17	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.8	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2007	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	590	
SVDiag_LowResPhsReasDisable_M_u8	27	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	17625.13464	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2700	
k_ErrorFiltKn_Cnt_u16	16625	
k_ErrorThresh_Cnt_u32	74233	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	401.7406915	
k_LowResPhsReasMaxTol_Uls_f32	1.37069124	
k_LowResPhsReasMinTol_Uls_f32	1.632939398	
k_LowResPhsReas_Cnt_str.Threshold	800	
k_LowResPhsReas_Cnt_str.PStep	112	
k_LowResPhsReas_Cnt_str.NStep	875	
k_PhsReasEnableThresh_Cnt_u32	127316	
k_PhsReasErrorTerm_Cnt_s16	6005	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	185411	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	129713	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	178478	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.195205688
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29899
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	77518
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	6954
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	306.0302385
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaJ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-6113875	-6113875	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-12227750	-12227750	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-18341625	-18341625	✔
SVDiag_HighResPhsReasDisable_M_u8	18	18 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.195205688	0.195205688	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2072	2072	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	800	800	✔
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.800000012	0.8	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2007	2007	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.84 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	97
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.81
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2119
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	452
SVDiag_LowResPhsReasDisable_M_u8	92
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	45882.90807
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2800
k_ErrorFiltKn_Cnt_u16	26163
k_ErrorThresh_Cnt_u32	17923
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	548.7695711
k_LowResPhsReasMaxTol_Uls_f32	1.310171843
k_LowResPhsReasMinTol_Uls_f32	0.65343225
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	49
k_LowResPhsReas_Cnt_str.NStep	836
k_PhsReasEnableThresh_Cnt_u32	131207
k_PhsReasErrorTerm_Cnt_s16	-8693
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	88480
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	24200
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	81105
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1434
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	147177
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	22360
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	172604
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	349.5524419
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2195109	-2195109	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-4416381	-4416381	✔
SVDiag_HighResPhsReasDisable_M_u8	98	98 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1434	1434	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	93	93 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.810000002	0.81	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2119	2119	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.85 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	70	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.82	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2231	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	109	
SVDiag_LowResPhsReasDisable_M_u8	5	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	70442.64925	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.2	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2900	
k_ErrorFiltKn_Cnt_u16	58265	
k_ErrorThresh_Cnt_u32	112866	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	854.4616799	
k_LowResPhsReasMaxTol_Uls_f32	1.567718804	
k_LowResPhsReasMinTol_Uls_f32	1.272922933	
k_LowResPhsReas_Cnt_str.Threshold	175	
k_LowResPhsReas_Cnt_str.PStep	197	
k_LowResPhsReas_Cnt_str.NStep	994	
k_PhsReasEnableThresh_Cnt_u32	30410	
k_PhsReasErrorTerm_Cnt_s16	-8037	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	76426	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	38382	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	133074	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.840172887	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	599	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	98848	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	94170	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	102791	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-777.860909	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9088750	-9088750	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18177500	-18177500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27266250	-27266250	✔
SVDiag_HighResPhsReasDisable_M_u8	71	71 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.840172887	0.840172887	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3671	3671	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.819999993	0.82	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2231	2231	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.86 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	89	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.83	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2343	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843	
SVDiag_LowResPhsReasDisable_M_u8	60	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000
k_ErrorFiltKn_Cnt_u16	21474
k_ErrorThresh_Cnt_u32	87498
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	1.684043169
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	817
k_LowResPhsReas_Cnt_str.NStep	832
k_PhsReasEnableThresh_Cnt_u32	137672
k_PhsReasErrorTerm_Cnt_s16	4047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	18370752	18370752	✔
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.829999983	0.83	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2343	2343	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.87 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	12
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.84
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2455
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	218
SVDiag_LowResPhsReasDisable_M_u8	50
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	21771.51829
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3100
k_ErrorFiltKn_Cnt_u16	14740
k_ErrorThresh_Cnt_u32	72720
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	376.7955461
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.704405606
k_LowResPhsReas_Cnt_str.Threshold	912
k_LowResPhsReas_Cnt_str.PStep	954
k_LowResPhsReas_Cnt_str.NStep	74
k_PhsReasEnableThresh_Cnt_u32	188776
k_PhsReasErrorTerm_Cnt_s16	-5608
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	161442
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	88138
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	142652
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	61428
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	20057
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190963
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	993.4578749
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	45506560	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	42329452	42329452	✔
SVDiag_HighResPhsReasDisable_M_u8	13	13 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	✔
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.839999974	0.84	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2455	2455	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.88 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	15
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.85
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2567
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	298
SVDiag_LowResPhsReasDisable_M_u8	88
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51813.15286
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3200
k_ErrorFiltKn_Cnt_u16	5338
k_ErrorThresh_Cnt_u32	127198
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	327.655056

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.518973827
k_LowResPhsReasMinTol_Uls_f32	0.694648862
k_LowResPhsReas_Cnt_str.Threshold	519
k_LowResPhsReas_Cnt_str.PStep	992
k_LowResPhsReas_Cnt_str.NStep	12
k_PhsReasEnableThresh_Cnt_u32	154299
k_PhsReasErrorTerm_Cnt_s16	-2680
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	142271
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	121043
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	116560
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	107522
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	193035
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	2851
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	607.8293472
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16718660	-16718660	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	286	286	✔
SVDiag_LowResPhsReasDisable_M_u8	89	89 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.850000024	0.85	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2567	2567	✔

T					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset		1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev		3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.89 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	89
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.86
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2679
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843
SVDiag_LowResPhsReasDisable_M_u8	60
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3300
k_ErrorFiltKn_Cnt_u16	21474
k_ErrorThresh_Cnt_u32	87498
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
k_LowResPhsReasMaxTol_Uls_f32	0.625639021
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	817
k_LowResPhsReas_Cnt_str.NStep	832
k_PhsReasEnableThresh_Cnt_u32	137672
k_PhsReasErrorTerm_Cnt_s16	4047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	455216334	455216334	✔
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.860000014	0.86	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2679	2679	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.90 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	
SVDiag_HighResPhsReasDisable_M_u8	12	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.87	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2791	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	218	
SVDiag_LowResPhsReasDisable_M_u8	50	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	21771.51829	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3400	
k_ErrorFiltKn_Cnt_u16	14740	
k_ErrorThresh_Cnt_u32	72720	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	376.7955461	
k_LowResPhsReasMaxTol_Uls_f32	1.902872443	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	912	
k_LowResPhsReas_Cnt_str.PStep	954	
k_LowResPhsReas_Cnt_str.NStep	74	
k_PhsReasEnableThresh_Cnt_u32	188776	
k_PhsReasErrorTerm_Cnt_s16	-5608	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	161442	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	88138	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	142652	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	61428
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	20057
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190963
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	993.4578749
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	45506560	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	42329452	42329452	✔
SVDiag_HighResPhsReasDisable_M_u8	13	13 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	✔
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.870000005	0.87	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2791	2791	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.91 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	15
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.88
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2903
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	298
SVDiag_LowResPhsReasDisable_M_u8	88
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51813.15286
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.6
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3500
k_ErrorFiltKn_Cnt_u16	5338
k_ErrorThresh_Cnt_u32	127198
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	327.655056
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.518973827
k_LowResPhsReas_Cnt_str.Threshold	519
k_LowResPhsReas_Cnt_str.PStep	992
k_LowResPhsReas_Cnt_str.NStep	12
k_PhsReasEnableThresh_Cnt_u32	154299
k_PhsReasErrorTerm_Cnt_s16	-2680
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	142271
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	121043
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	116560
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	107522
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	193035
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	2851
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	607.8293472
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16718660	-16718660	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	286	286	✔
SVDiag_LowResPhsReasDisable_M_u8	89	89 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.879999995	0.88	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2903	2903	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.92 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	91
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.89
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3015
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	60
SVDiag_LowResPhsReasDisable_M_u8	7
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.7
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3600
k_ErrorFiltKn_Cnt_u16	60939
k_ErrorThresh_Cnt_u32	13036
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	143.095156
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.35253036
k_LowResPhsReas_Cnt_str.Threshold	676
k_LowResPhsReas_Cnt_str.PStep	856
k_LowResPhsReas_Cnt_str.NStep	447
k_PhsReasEnableThresh_Cnt_u32	145207
k_PhsReasErrorTerm_Cnt_s16	-4431
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	129983
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	31928
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	153453
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193360
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	163901
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	10191
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	506.1385592
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	2584103	2584103	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	3214894	3214894	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	3845685	3845685	✔
SVDiag_HighResPhsReasDisable_M_u8	92	92 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	8	8 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.889999986	0.89	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3015	3015	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.93 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.9
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3127
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	310
SVDiag_LowResPhsReasDisable_M_u8	58
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	86400
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.8
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3700
k_ErrorFiltKn_Cnt_u16	12718
k_ErrorThresh_Cnt_u32	62389
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	300.6729135
k_LowResPhsReasMaxTol_Uls_f32	0.538856328
k_LowResPhsReasMinTol_Uls_f32	0.794280946
k_LowResPhsReas_Cnt_str.Threshold	680
k_LowResPhsReas_Cnt_str.PStep	625
k_LowResPhsReas_Cnt_str.NStep	615
k_PhsReasEnableThresh_Cnt_u32	50618
k_PhsReasErrorTerm_Cnt_s16	-304
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108267
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	173891
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	133314
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	147115
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	189959
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	50282
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-551.8336163
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-7333510	-7333510	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-14667020	-14667020	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-22000530	-22000530	✔
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	59	59 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.899999976	0.9	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3127	3127	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.94 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	70
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.91
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3239
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	669
SVDiag_LowResPhsReasDisable_M_u8	51
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	45994.97875
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.9
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3800
k_ErrorFiltKn_Cnt_u16	14530
k_ErrorThresh_Cnt_u32	134336
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	103.7889451
k_LowResPhsReasMaxTol_Uls_f32	1.621960759
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	530
k_LowResPhsReas_Cnt_str.PStep	490
k_LowResPhsReas_Cnt_str.NStep	106
k_PhsReasEnableThresh_Cnt_u32	190427
k_PhsReasErrorTerm_Cnt_s16	9299
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	44056
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	107806
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	32536
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	115573
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	98640
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	95086
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1011.918054
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920	81920	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304	98304	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496	106496	✔
SVDiag_HighResPhsReasDisable_M_u8	71	71 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	563	563	✔
SVDiag_LowResPhsReasDisable_M_u8	52	52 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.910000026	0.91	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3239	3239	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.95 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	
SVDiag_HighResPhsReasDisable_M_u8	83	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.92	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3351	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	955	
SVDiag_LowResPhsReasDisable_M_u8	80	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3317.423642	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.05	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	
k_ErrorFiltKn_Cnt_u16	40339	
k_ErrorThresh_Cnt_u32	145975	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	54.58043772	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.058499515
k_LowResPhsReasMinTol_Uls_f32	1.032369912
k_LowResPhsReas_Cnt_str.Threshold	578
k_LowResPhsReas_Cnt_str.PStep	568
k_LowResPhsReas_Cnt_str.NStep	331
k_PhsReasEnableThresh_Cnt_u32	190376
k_PhsReasErrorTerm_Cnt_s16	3298
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	162262
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	64152
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	155952
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1017
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	158527
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	149535
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	102947
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1011.345111
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	84	84 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1017	1017	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	624	624	✔
SVDiag_LowResPhsReasDisable_M_u8	81	81 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.920000017	0.92	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3351	3351	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.96 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	8
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.93
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3463
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	945
SVDiag_LowResPhsReasDisable_M_u8	43
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3006.021288
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144
k_ErrorFiltKn_Cnt_u16	12539
k_ErrorThresh_Cnt_u32	166124
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	557.7246976
k_LowResPhsReasMaxTol_Uls_f32	1.003827095
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	79
k_LowResPhsReas_Cnt_str.PStep	750
k_LowResPhsReas_Cnt_str.NStep	494
k_PhsReasEnableThresh_Cnt_u32	169911
k_PhsReasErrorTerm_Cnt_s16	6630
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	18424
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	109960
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.29188329
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1269
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	72182
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	53528
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	140045
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	782.4552365
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	2334720	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	✔
SVDiag_HighResPhsReasDisable_M_u8	9	9 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.29188329	0.29188329	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4875	4875	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	451	451	✔
SVDiag_LowResPhsReasDisable_M_u8	44	44 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.930000007	0.93	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3463	3463	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.97 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	82	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.94	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3575	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	620	
SVDiag_LowResPhsReasDisable_M_u8	98	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	6467.118915	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.15	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222	
k_ErrorFiltKn_Cnt_u16	41263	
k_ErrorThresh_Cnt_u32	127981	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	671.9232046	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	0.805785835	
k_LowResPhsReas_Cnt_str.Threshold	326	
k_LowResPhsReas_Cnt_str.PStep	647	
k_LowResPhsReas_Cnt_str.NStep	683	
k_PhsReasEnableThresh_Cnt_u32	180657	
k_PhsReasErrorTerm_Cnt_s16	-608	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	55099	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	73634	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	112669	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	978
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	141166
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	9017
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	184209
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	902.6384709
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	9102375	9102375	✔
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	978	978	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	99	99 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.939999998	0.94	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3575	3575	✔

T					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset		1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev		3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.98 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	82
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.95
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3687
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	98
SVDiag_LowResPhsReasDisable_M_u8	14
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	56004.09184
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3900
k_ErrorFiltKn_Cnt_u16	33104
k_ErrorThresh_Cnt_u32	13002
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	275
k_LowResPhsReas_Cnt_str.PStep	563
k_LowResPhsReas_Cnt_str.NStep	524
k_PhsReasEnableThresh_Cnt_u32	37862
k_PhsReasErrorTerm_Cnt_s16	-3419
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	17084
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171710
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	197843
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.94743979
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.574414074
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	960
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	91869
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	27644
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	172846
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-694.5145648
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	22	22	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-279071680	-279071680	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	630542240	630542240	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	141909408	141909408	✔
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.574414074	0.574414074	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4032	4032	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	15	15 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.949999988	0.95	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3687	3687	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.99 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	20
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.96
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3799
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	833
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29136.56314
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000
k_ErrorFiltKn_Cnt_u16	16056
k_ErrorThresh_Cnt_u32	133658
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	542
k_LowResPhsReas_Cnt_str.PStep	181
k_LowResPhsReas_Cnt_str.NStep	463
k_PhsReasEnableThresh_Cnt_u32	185422
k_PhsReasErrorTerm_Cnt_s16	7333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	52601
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	33035
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	199927
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-915
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4297
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	53978
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	81044
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	955.9420398
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	81920000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	163840000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	185550000	185550000	✔
SVDiag_HighResPhsReasDisable_M_u8	21	21 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5229	5229	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	370	370	✔
SVDiag_LowResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.959999979	0.96	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3799	3799	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.100 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	
SVDiag_HighResPhsReasDisable_M_u8	10	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.97	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3911	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55	
SVDiag_LowResPhsReasDisable_M_u8	69	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64013.41653	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4100
k_ErrorFiltKn_Cnt_u16	7453
k_ErrorThresh_Cnt_u32	182030
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	348.2146404
k_LowResPhsReasMaxTol_Uls_f32	0.498994589
k_LowResPhsReasMinTol_Uls_f32	1.193825126
k_LowResPhsReas_Cnt_str.Threshold	833
k_LowResPhsReas_Cnt_str.PStep	669
k_LowResPhsReas_Cnt_str.NStep	201
k_PhsReasEnableThresh_Cnt_u32	22710
k_PhsReasErrorTerm_Cnt_s16	1873
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	169132
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	69896
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8360
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1217
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	60896
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	115833
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	21622
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-863.9827668
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	290415000	290415000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	363018750	363018750	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	491520000	✔
SVDiag_HighResPhsReasDisable_M_u8	11	11 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4927	4927	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	70	70 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.970000029	0.97	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3911	3911	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.101 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760	
SVDiag_HighResPhsReasDisable_M_u8	63	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.98	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4023	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	
SVDiag_LowResPhsReasDisable_M_u8	74	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2058.742029	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.35	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4200	
k_ErrorFiltKn_Cnt_u16	44569	
k_ErrorThresh_Cnt_u32	193399	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	995.7055735	
k_LowResPhsReasMaxTol_Uls_f32	1.965117753	
k_LowResPhsReasMinTol_Uls_f32	1.248423994	
k_LowResPhsReas_Cnt_str.Threshold	377	
k_LowResPhsReas_Cnt_str.PStep	864	
k_LowResPhsReas_Cnt_str.NStep	507	
k_PhsReasEnableThresh_Cnt_u32	158440	
k_PhsReasErrorTerm_Cnt_s16	-3384	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	187791	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34303	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	176503	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.329017401	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	381	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	46947	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	145198	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	141867	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	654.1441312	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	7218	7218	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840	-163840	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-67484	-67484	✔
SVDiag_HighResPhsReasDisable_M_u8	64	64 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	381	381	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.980000019	0.98	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4023	4023	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.102 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	7	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.99	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4135	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000	
SVDiag_LowResPhsReasDisable_M_u8	50	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	55395.04598	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	
k_ErrorFiltKn_Cnt_u16	9891	
k_ErrorThresh_Cnt_u32	127344	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	594.0176252	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	434
k_LowResPhsReas_Cnt_str.PStep	243
k_LowResPhsReas_Cnt_str.NStep	459
k_PhsReasEnableThresh_Cnt_u32	145967
k_PhsReasErrorTerm_Cnt_s16	1046
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	114566
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103617
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	179242
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.62301743
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.489340723
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1304
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	8750
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99816
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142693
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	514.6435031
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	-819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2081742	-2081742	✔
SVDiag_HighResPhsReasDisable_M_u8	8	8 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.489340723	0.489340723	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4840	4840	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	541	541	✔
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.99000001	0.99	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4135	4135	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.103 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000
SVDiag_HighResPhsReasDisable_M_u8	62
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.05
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4247
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	348
SVDiag_LowResPhsReasDisable_M_u8	99
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	18465.48025
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.45
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4400
k_ErrorFiltKn_Cnt_u16	10896
k_ErrorThresh_Cnt_u32	108845
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	367.4144168
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.224149525
k_LowResPhsReas_Cnt_str.Threshold	383
k_LowResPhsReas_Cnt_str.PStep	394
k_LowResPhsReas_Cnt_str.NStep	685
k_PhsReasEnableThresh_Cnt_u32	186741
k_PhsReasErrorTerm_Cnt_s16	-9475
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	123485
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	45565
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	187029
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.93571949
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	965
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	45324
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	93035
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	970.6926895
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-20490000	-20490000	✔
SVDiag_HighResPhsReasDisable_M_u8	63	63 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	377	377	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.0500000007	0.05	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4247	4247	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.104 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	46	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.1	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6100	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32	
SVDiag_LowResPhsReasDisable_M_u8	86	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	7519.576559	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500	
k_ErrorFiltKn_Cnt_u16	1574	
k_ErrorThresh_Cnt_u32	151830	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016	
k_LowResPhsReasMaxTol_Uls_f32	1.715960026	
k_LowResPhsReasMinTol_Uls_f32	1.025065541	
k_LowResPhsReas_Cnt_str.Threshold	617	
k_LowResPhsReas_Cnt_str.PStep	0	
k_LowResPhsReas_Cnt_str.NStep	701	
k_PhsReasEnableThresh_Cnt_u32	91850	
k_PhsReasErrorTerm_Cnt_s16	7536	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	190000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	✔
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32	32	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6100	6100	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.105 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	46	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.15	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	7519.576559
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.55
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4600
k_ErrorFiltKn_Cnt_u16	1574
k_ErrorThresh_Cnt_u32	151830
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
k_LowResPhsReasMaxTol_Uls_f32	1.715960026
k_LowResPhsReasMinTol_Uls_f32	1.025065541
k_LowResPhsReas_Cnt_str.Threshold	617
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	701
k_PhsReasEnableThresh_Cnt_u32	91850
k_PhsReasErrorTerm_Cnt_s16	7536
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	190000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	✔
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	617	617	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.150000006	0.15	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6000	6000	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.106 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	46
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.2
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	7519.576559
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.6
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4700
k_ErrorFiltKn_Cnt_u16	1574
k_ErrorThresh_Cnt_u32	151830
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
k_LowResPhsReasMaxTol_Uls_f32	1.715960026
k_LowResPhsReasMinTol_Uls_f32	1.025065541
k_LowResPhsReas_Cnt_str.Threshold	617
k_LowResPhsReas_Cnt_str.PStep	348
k_LowResPhsReas_Cnt_str.NStep	701
k_PhsReasEnableThresh_Cnt_u32	91850
k_PhsReasErrorTerm_Cnt_s16	7536
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	✔
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	380	380	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5900	5900	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.107 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	
SVDiag_HighResPhsReasDisable_M_u8	30	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.25	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4695	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	768	
SVDiag_LowResPhsReasDisable_M_u8	27	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	36752.83789	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.65	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4800
k_ErrorFiltKn_Cnt_u16	32031
k_ErrorThresh_Cnt_u32	99966
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	784.1221836
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	949
k_LowResPhsReas_Cnt_str.PStep	121
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	99226
k_PhsReasErrorTerm_Cnt_s16	-6764
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	83956
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34128
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183141
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.171248913
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-621
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	160996
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	191407
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	141031
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-8.152146459
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	18628043	18628043	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	23277046	23277046	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	27926049	27926049	✔
SVDiag_HighResPhsReasDisable_M_u8	31	31 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.171248913	0.171248913	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2451	2451	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	768	768	✔
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25	0.25	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4695	4695	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3122088	-3122088	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6244176	-6244176	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	✔
SVDiag_HighResPhsReasDisable_M_u8	62	62 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	328	328	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.300000012	0.3	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4807	4807	✔

T				✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.109 (Repeat Count = 1)		✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.35
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4919
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	70
SVDiag_LowResPhsReasDisable_M_u8	74
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5000
k_ErrorFiltKn_Cnt_u16	47864
k_ErrorThresh_Cnt_u32	72396
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	646.7417888

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.334296048
k_LowResPhsReasMinTol_Uls_f32	0.580176294
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	836
k_LowResPhsReas_Cnt_str.NStep	348
k_PhsReasEnableThresh_Cnt_u32	119596
k_PhsReasErrorTerm_Cnt_s16	2032
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-958152	-958152	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1964168	-1964168	✔
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5366	5366	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.349999994	0.35	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4919	4919	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.110 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	31
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.4
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5031
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	164
SVDiag_LowResPhsReasDisable_M_u8	39
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	61785.91615
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.8
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5100
k_ErrorFiltKn_Cnt_u16	30501
k_ErrorThresh_Cnt_u32	67010
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	478.1262645
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.960036993
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	816
k_LowResPhsReas_Cnt_str.NStep	608
k_PhsReasEnableThresh_Cnt_u32	7126
k_PhsReasErrorTerm_Cnt_s16	-8630
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	29623
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	64654
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	145639
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.893690228
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.184053838
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-575
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	115298
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	174298
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	99520
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1038.290517
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaɕ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-43793750	-43793750	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-87587500	-87587500	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-131381250	-131381250	✔
SVDiag_HighResPhsReasDisable_M_u8	32	32 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.184053838	0.184053838	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5569	5569	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	40	40 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.400000006	0.4	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5031	5031	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.111 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	9	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.45	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5143	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	131	
SVDiag_LowResPhsReasDisable_M_u8	9	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3265.581186	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.85	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5200	
k_ErrorFiltKn_Cnt_u16	21417	
k_ErrorThresh_Cnt_u32	59865	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	699.9366437	
k_LowResPhsReasMaxTol_Uls_f32	0.004566371	
k_LowResPhsReasMinTol_Uls_f32	1.783162415	
k_LowResPhsReas_Cnt_str.Threshold	1000	
k_LowResPhsReas_Cnt_str.PStep	717	
k_LowResPhsReas_Cnt_str.NStep	477	
k_PhsReasEnableThresh_Cnt_u32	69376	
k_PhsReasErrorTerm_Cnt_s16	9834	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	16693	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171928	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	174651	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.707552671
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	143921
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	36819
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	46089
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-342.0281981
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	6145766	6145766	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	12270115	12270115	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	18394464	18394464	✔
SVDiag_HighResPhsReasDisable_M_u8	10	10 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.707552671	0.707552671	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1823	1823	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	10	10 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.449999988	0.45	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5143	5143	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 2.112 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	46
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.5
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5255
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	7519.576559
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.9
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5300
k_ErrorFiltKn_Cnt_u16	1574
k_ErrorThresh_Cnt_u32	151830
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
k_LowResPhsReasMaxTol_Uls_f32	1.715960026
k_LowResPhsReasMinTol_Uls_f32	1.025065541
k_LowResPhsReas_Cnt_str.Threshold	617
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	701
k_PhsReasEnableThresh_Cnt_u32	91850
k_PhsReasErrorTerm_Cnt_s16	7536
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	116493
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	✔
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5255	5255	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.113 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	96
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.55
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5367
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	182
SVDiag_LowResPhsReasDisable_M_u8	10
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	65766.99189
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.95
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5400
k_ErrorFiltKn_Cnt_u16	65141
k_ErrorThresh_Cnt_u32	167447
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	272.7560112
k_LowResPhsReasMaxTol_Uls_f32	0.064098895
k_LowResPhsReasMinTol_Uls_f32	1.66252774
k_LowResPhsReas_Cnt_str.Threshold	553
k_LowResPhsReas_Cnt_str.PStep	254
k_LowResPhsReas_Cnt_str.NStep	686
k_PhsReasEnableThresh_Cnt_u32	15493
k_PhsReasErrorTerm_Cnt_s16	7785
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	145379
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	53377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	125101
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.157696962
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.677369952
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1404
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	131975
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	51216
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	88504
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-944.7037332
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-46713	-46713	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-93426	-93426	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-140139	-140139	✔
SVDiag_HighResPhsReasDisable_M_u8	97	97 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.677369952	0.677369952	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4476	4476	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	11	11 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.550000012	0.55	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5367	5367	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.114 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	24	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.6	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5479	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	70	
SVDiag_LowResPhsReasDisable_M_u8	74	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5500
k_ErrorFiltKn_Cnt_u16	47864
k_ErrorThresh_Cnt_u32	72396
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	646.7417888
k_LowResPhsReasMaxTol_Uls_f32	0.334296048
k_LowResPhsReasMinTol_Uls_f32	0.580176294
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	836
k_LowResPhsReas_Cnt_str.NStep	348
k_PhsReasEnableThresh_Cnt_u32	119596
k_PhsReasErrorTerm_Cnt_s16	2032
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-958152	-958152	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1964168	-1964168	✔
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5366	5366	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5479	5479	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.115 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	96
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.55
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5367
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	182
SVDiag_LowResPhsReasDisable_M_u8	10
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	65766.99189
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.95
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5400
k_ErrorFiltKn_Cnt_u16	65141
k_ErrorThresh_Cnt_u32	167447
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	272.7560112
k_LowResPhsReasMaxTol_Uls_f32	0.064098895
k_LowResPhsReasMinTol_Uls_f32	1.66252774
k_LowResPhsReas_Cnt_str.Threshold	553
k_LowResPhsReas_Cnt_str.PStep	254
k_LowResPhsReas_Cnt_str.NStep	686
k_PhsReasEnableThresh_Cnt_u32	15493
k_PhsReasErrorTerm_Cnt_s16	7785
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	145379
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	53377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	125101
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.157696962
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.677369952
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1404
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	131975
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	51216
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	88504
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-944.7037332
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa|	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	45682269	45682269	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-45887549	-45887549	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	234432602	234432602	✔
SVDiag_HighResPhsReasDisable_M_u8	97	97 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.677369952	0.677369952	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4476	4476	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	11	11 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.550000012	0.55	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5367	5367	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 2.116 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	24	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.6	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5479	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	70	
SVDiag_LowResPhsReasDisable_M_u8	74	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5500	
k_ErrorFiltKn_Cnt_u16	47864	
k_ErrorThresh_Cnt_u32	72396	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	646.7417888	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.334296048
k_LowResPhsReasMinTol_Uls_f32	0.580176294
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	836
k_LowResPhsReas_Cnt_str.NStep	348
k_PhsReasEnableThresh_Cnt_u32	119596
k_PhsReasErrorTerm_Cnt_s16	2032
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-958152	-958152	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1964168	-1964168	✔
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5366	5366	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5479	5479	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Case 3: Path Test ✔

Specification
```
Performance Metrics (With "None"
Instrumentation and WithPS Environment)
CPU Cycles:
TS3.1  5058.00 Cycles
TS3.2  5308.00 Cycles
TS3.3  5064.00 Cycles
TS3.4  4592.00 Cycles
TS3.5  4844.00 Cycles
TS3.6  4772.00 Cycles
TS3.7  4968.00 Cycles
TS3.8  5420.00 Cycles
TS3.9  5057.00 Cycles
TS3.10 5057.00 Cycles
TS3.11 5019.00 Cycles
TS3.12 5198.00 Cycles
TS3.13 5157.00 Cycles
TS3.14 4758.00 Cycles
TS3.15 4415.00 Cycles
```

Description

Vector Description:

TS3.1 "((True = PDActivateTest_Cnt_T_lgc) And (SVDiag_HighResPhsReasDisable_M_u8 < 100)=False
((TRUE == PDActivateTest_Cnt_T_lgc)=True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)
(MeasuredOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) =True OR
    (ExpectedOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) =False)
(ErrorFiltOut_Cnt_T_s32[i] > ((sint32)k_ErrorThresh_Cnt_u32))=False
((-ErrorFiltOut_Cnt_T_s32[i]) > ((sint32)k_ErrorThresh_Cnt_u32))=True
(LRPRModIdx_Uls_T_f32 < 0.0F)=True
((LRPRMtrPosNor_rev_T_u0p16[i] >= D_35DEG_REV_U0P16) && (LRPRMtrPosNor_rev_T_u0p16[i] <=D_205DEG_REV_U0P16))=True
((LRPRMtrPosNor_rev_T_u0p16[i] >= D_245DEG_REV_U0P16) && (LRPRMtrPosNor_rev_T_u0p16[i] <=D_355DEG_REV_U0P16))=True
"
TS3.2 "(SVDiag_HighResPhsReasDisable_M_u8 > 100U)=True
(SVDiag_LowResPhsReasDisable_M_u8 > 100U)=True
((-ErrorFiltOut_Cnt_T_s32[i]) > (k_ErrorThresh_Cnt_u32)) =False
(LRPRModIdx_Uls_T_f32 < 0.0F)=False
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=False
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
(ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_U08)=True
((TRUE == PDActivateTest_Cnt_T_lgc) = True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)
(DiagFailed_m(SVDiag_LowPhReasErrorAcc_Cnt_M_u16, k_LowResPhsReas_Cnt_str) == TRUE) = True"
TS3.3 "((MeasuredOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) = True ||
    (ExpectedOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) = False)
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=True
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i =True) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i])=False)"
TS3.4 "
((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_HighResPhsReasDisable_M_u8 < 100U))=True
((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_LowResPhsReasDisable_M_u8 < 100U))=True
(((Abs_f32_m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) = True&&
  ((Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)
  == (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16))=False)"
TS3.5 (ErrorFiltOut_Cnt_T_s32[i] > ((sint32)k_ErrorThresh_Cnt_u32))=True
TS3.6 "(((float32)ExpectedOnTime_Cnt_T_u32[i] > LRPRHighLimit_Cnt_T_f32) || ((float32)ExpectedOnTime_Cnt_T_u32[i] <
    LRPRLowLimit_Cnt_T_f32))=False
(((Abs_f32_m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
  ((Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)
  == (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)))=True
(TRUE == SetFaultCounter_Cnt_T_lgc) =False"
TS3.7 "(((Abs_f32_m(MotorVelMRFUnfilt_MtrRadpS_T_f32)) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
  ((Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)
  == (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)))=True
(TRUE == SetFaultCounter_Cnt_T_lgc)=False"
TS3.8 "(SVDiag_HighResPhsReasDisable_M_u8 > 100U)=True
(SVDiag_LowResPhsReasDisable_M_u8 > 100U)=True
((-ErrorFiltOut_Cnt_T_s32[i]) > (k_ErrorThresh_Cnt_u32)) =False
(LRPRModIdx_Uls_T_f32 < 0.0F)=False
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=False
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
(ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_U08)=True
((TRUE == PDActivateTest_Cnt_T_lgc) = True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)
(DiagFailed_m(SVDiag_LowPhReasErrorAcc_Cnt_M_u16, k_LowResPhsReas_Cnt_str) == TRUE) = True"
TS3.9   HighResError_Cnt_T_s32[i] >= 262136
TS3.10 HighResError_Cnt_T_s32[i] <= -262136
TS3.11 "LRPRPhaseadvanceCaptured_Cnt_T_s16=Limit_m(LRPRPhaseadvanceCaptured_Cnt_T_s16,
    D_PHSNEGADVCNTS90DEG_CNT_S16,(sint16)D_PHSPOSADVCNTS90DEG_CNT_U16)->True
if (LRPRModIdx_Uls_T_f32 < 0.0F)->True"
TS3.12 "if (LRPRModIdx_Uls_T_f32 < 0.0F)->False
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)->False"
TS3.13 (LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)->True
TS3.14 if((TRUE == SVDiag_PrevLRPRHighSector_Cnt_M_lgc[i]) && (TRUE == SVDiag_LRPRHighSector_Cnt_M_lgc[i]))->True
TS3.15 if (TRUE == SetFaultCounter_Cnt_T_lgc) ->True

Test Step 3.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	0
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0

Name	Input Value
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	-10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1118
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✔
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.2 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	2147418112
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6144
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000
SVDiag_LowResPhsReasDisable_M_u8	100
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1118
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	32767	32767	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	825
SVDiag_LowResPhsReasDisable_M_u8	83
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	23201.52463
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.11
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0

Name	Input Value
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	111
k_ErrorFiltKn_Cnt_u16	30585
k_ErrorThresh_Cnt_u32	66520
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	6.727024794
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	216
k_LowResPhsReas_Cnt_str.PStep	845
k_LowResPhsReas_Cnt_str.NStep	760
k_PhsReasEnableThresh_Cnt_u32	54635
k_PhsReasErrorTerm_Cnt_s16	7720
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	128811
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	29254
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	76895
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.649596095
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1355
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	169488
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	133502
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-506.9036557
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	51335	51335	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	67719	67719	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	75911	75911	✓
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	✓
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4789	4789	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	65	65	✓
SVDiag_LowResPhsReasDisable_M_u8	84	84 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.100000001	0.1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100	100	✓

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.4 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	15
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.2
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	175
SVDiag_LowResPhsReasDisable_M_u8	15
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41946.39624
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.12
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k_ErrorFiltKn_Cnt_u16	29575
k_ErrorThresh_Cnt_u32	90315
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109
k_LowResPhsReasMaxTol_Uls_f32	0.714330018
k_LowResPhsReasMinTol_Uls_f32	0.016816556
k_LowResPhsReas_Cnt_str.Threshold	362
k_LowResPhsReas_Cnt_str.PStep	877
k_LowResPhsReas_Cnt_str.NStep	358
k_PhsReasEnableThresh_Cnt_u32	134931
k_PhsReasErrorTerm_Cnt_s16	-261
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	95681
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	57225
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.540214658
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1072
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33061
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	26932
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	391.1978135
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	464300	464300	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.540214658	0.540214658	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000	2000	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	200	200	✔

T					✔
Actual Function		Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset		1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev		3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.5 (Repeat Count = 1)		✔
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	49	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.3	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2900	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	248	
SVDiag_LowResPhsReasDisable_M_u8	21	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3779.679818	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.39	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3219	
k_ErrorFiltKn_Cnt_u16	39619	
k_ErrorThresh_Cnt_u32	23446	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	814.0175524	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.902124703
k_LowResPhsReas_Cnt_str.Threshold	84
k_LowResPhsReas_Cnt_str.PStep	50
k_LowResPhsReas_Cnt_str.NStep	254
k_PhsReasEnableThresh_Cnt_u32	125958
k_PhsReasErrorTerm_Cnt_s16	2372
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	40358
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	41181
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	196903
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.693134308
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-20
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	172738
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	7551
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121712
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	290.8379813
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	18	18	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-663708546	-663708546	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	371434570	371434570	✔
SVDiag_HighResPhsReasDisable_M_u8	50	50 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6124	6124	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	22	22 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.300000012	0.3	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2900	2900	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.6 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	14
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.4
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	280
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	59129.61257
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.49
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4329
k_ErrorFiltKn_Cnt_u16	41594
k_ErrorThresh_Cnt_u32	153431
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	281.9371459
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	631
k_LowResPhsReas_Cnt_str.PStep	806
k_LowResPhsReas_Cnt_str.NStep	303
k_PhsReasEnableThresh_Cnt_u32	129982
k_PhsReasErrorTerm_Cnt_s16	9333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	44112
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	15404
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193312
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1085
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	134783
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	24880
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	91783
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	335.8459432
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	1268	1268	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840	-163840	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-79384	-79384	✔
SVDiag_HighResPhsReasDisable_M_u8	15	15 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5059	5059	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.400000006	0.4	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3900	3900	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 3.7 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	44	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.4	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	101	
SVDiag_LowResPhsReasDisable_M_u8	43	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43605.9814	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.14	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444	
k_ErrorFiltKn_Cnt_u16	3187	
k_ErrorThresh_Cnt_u32	88126	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	0.823276341	
k_LowResPhsReas_Cnt_str.Threshold	677	
k_LowResPhsReas_Cnt_str.PStep	248	
k_LowResPhsReas_Cnt_str.NStep	802	
k_PhsReasEnableThresh_Cnt_u32	75942	
k_PhsReasErrorTerm_Cnt_s16	-9420	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.285947561
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-198
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29839
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	31276
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-268.5858883
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	7793625	7793625	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	15587250	15587250	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✔
SVDiag_HighResPhsReasDisable_M_u8	45	45 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.285947561	0.285947561	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔ ✔

SVDiag_LRPRLowSector_Cnt_M_lgc[□

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3072
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000
SVDiag_LowResPhsReasDisable_M_u8	100
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	900
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	32767	32767	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	32767	32767	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000	1000	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3072	3072	✓

T					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✓
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✓
Read_CountToRev	3	Read_CountToRev		3	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✓

Test Step 3.9 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	
SVDiag_HighResPhsReasDisable_M_u8	60	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	
SVDiag_LowResPhsReasDisable_M_u8	0	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	
k_ErrorFiltKn_Cnt_u16	0	
k_ErrorThresh_Cnt_u32	0	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0	
k_LowResPhsReasMaxTol_Uls_f32	0	
k_LowResPhsReasMinTol_Uls_f32	0	
k_LowResPhsReas_Cnt_str.Threshold	0	
k_LowResPhsReas_Cnt_str.PStep	0	
k_LowResPhsReas_Cnt_str.NStep	0	
k_PhsReasEnableThresh_Cnt_u32	0	
k_PhsReasErrorTerm_Cnt_s16	-10000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	260000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1118	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaµ	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✔
SVDiag_HighResPhsReasDisable_M_u8	61	61 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.10 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

Name	Input Value
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	260000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1118
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.11 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000	
SVDiag_HighResPhsReasDisable_M_u8	86	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.6	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	600	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	148	
SVDiag_LowResPhsReasDisable_M_u8	7	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52723.80765	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.16	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666	
k_ErrorFiltKn_Cnt_u16	38736	
k_ErrorThresh_Cnt_u32	24719	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	96.50065869	
k_LowResPhsReasMaxTol_Uls_f32	1.28630358	
k_LowResPhsReasMinTol_Uls_f32	0.016717136	
k_LowResPhsReas_Cnt_str.Threshold	832	
k_LowResPhsReas_Cnt_str.PStep	475	
k_LowResPhsReas_Cnt_str.NStep	922	
k_PhsReasEnableThresh_Cnt_u32	91581	
k_PhsReasErrorTerm_Cnt_s16	6983	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	132815	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	199985	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	82632	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.785672545	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1095	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	194888	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	151708	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	185464	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-93.66532731	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	

Name	Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	33500000	33500000	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	67000000	67000000	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	100500000	100500000	✔
SVDiag_HighResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.785672545	0.785672545	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4167	4167	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	8	8 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600	600	✔

T			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.12 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	
SVDiag_HighResPhsReasDisable_M_u8	67	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.15	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1400	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	718	
SVDiag_LowResPhsReasDisable_M_u8	38	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	68632.40339	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.24	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1554	
k_ErrorFiltKn_Cnt_u16	7290	
k_ErrorThresh_Cnt_u32	141432	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	718.4851848	

Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.138592422
k_LowResPhsReas_Cnt_str.Threshold	91
k_LowResPhsReas_Cnt_str.PStep	222
k_LowResPhsReas_Cnt_str.NStep	973
k_PhsReasEnableThresh_Cnt_u32	48985
k_PhsReasErrorTerm_Cnt_s16	3097
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193562
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	520
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	164452
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	150060
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	32449
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-570.0968587
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	32359298	32359298	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	40447300	40447300	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	48535302	48535302	✔
SVDiag_HighResPhsReasDisable_M_u8	68	68 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.153545499	0.153545499	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	520	520	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	91	91	✔
SVDiag_LowResPhsReasDisable_M_u8	39	39 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.150000006	0.15	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1400	1400	✔

T				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔
Read_CountToRev	3	Read_CountToRev	3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔

Test Step 3.13 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.44
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	525
SVDiag_LowResPhsReasDisable_M_u8	95
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	69303.04221
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.53
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4773
k_ErrorFiltKn_Cnt_u16	25034
k_ErrorThresh_Cnt_u32	53633
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	345.946146
k_LowResPhsReasMaxTol_Uls_f32	1.9973858
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	911
k_LowResPhsReas_Cnt_str.PStep	366
k_LowResPhsReas_Cnt_str.NStep	439
k_PhsReasEnableThresh_Cnt_u32	87021
k_PhsReasErrorTerm_Cnt_s16	4774
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	195079
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	149367
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	99615
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-543
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	174063
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	133658
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	43266
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-144.6736574
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	191520	191520	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-67058556	-67058556	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	9486664	9486664	✔
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	✔

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5601	5601	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	86	86	✔
SVDiag_LowResPhsReasDisable_M_u8	96	96 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.439999998	0.44	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	4300	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 3.14 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	89	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.83	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2343	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843	
SVDiag_LowResPhsReasDisable_M_u8	60	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000	
k_ErrorFiltKn_Cnt_u16	21474	
k_ErrorThresh_Cnt_u32	87498	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108	
k_LowResPhsReasMaxTol_Uls_f32	0	
k_LowResPhsReasMinTol_Uls_f32	1.684043169	
k_LowResPhsReas_Cnt_str.Threshold	314	
k_LowResPhsReas_Cnt_str.PStep	817	
k_LowResPhsReas_Cnt_str.NStep	832	
k_PhsReasEnableThresh_Cnt_u32	137672	
k_PhsReasErrorTerm_Cnt_s16	4047	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	

Name	Input Value
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	18370752	18370752	✔
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.100000001	0.1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.829999983	0.83	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2343	2343	✔

T					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached		1	✔
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset		1	✔
Read_CountToRev	3	Read_CountToRev		3	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus		1	✔
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached		1	✔

Test Step 3.15 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	24	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.9	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	612
SVDiag_LowResPhsReasDisable_M_u8	99
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52705.47826
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.19
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	999
k_ErrorFiltKn_Cnt_u16	21879
k_ErrorThresh_Cnt_u32	16095
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	472.253751
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	739
k_LowResPhsReas_Cnt_str.PStep	702
k_LowResPhsReas_Cnt_str.NStep	305
k_PhsReasEnableThresh_Cnt_u32	174513
k_PhsReasErrorTerm_Cnt_s16	-1137
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	121991
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cn	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	-819200	✔
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	✔
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	-2457600	✔
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✔
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✔
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5345	5345	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	307	307	✔
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✔
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.899999976	0.9	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✔
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✔
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	900	900	✔

T					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✔	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✔	
Read_CountToRev	3	Read_CountToRev	3	✔	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✔	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	✔	

Project	CBD_SVDiag
Module	DigPhsReasDiag
Test Object	DigPhsReasDiag_Trans1

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\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\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	$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(PROJECTROOT)\SVDiag\utp\contract -I$(PROJECTROOT)\SVDiag\utp\contract\Ap_DigPhsReasDiag -I$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'DigPhsReasDiag'	******************************Unit Test Description***
Name of Tester: Madhuparna Duarah
Code File(s) Under Test: Ap_DigPhsReasDiag.c
Code File(s) Version: 14
Module Design Document: DigPhsReasDiag_MDD.docx
Module Design Document Version: 16
Data Dictionary Version: 11
Unit Test Plan Version: 2
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31
Total FLASH Used (Bytes): 1788
Total RAM Used (Bytes): 80
Total CALS Used (Bytes): 50
Special Test Requirements:
Test Date: 01-14-2015
Comments:"Note:
1)Inline functions defined in ""Globalmacro.h"" are not unit tested.
2)100% coverage cannot be achieved in ""DigPhsReasDiag_Per1"" function due to ""FPM_Fix_m"" macro usage.
3)In ""DigPhsReasDiag_Per1"" function, out of range value is given to ""ExpectedOnTimeA_Cnt_u32"" and ""MeasuredOnTimeA_Cnt_u32"" to cover ""HighResError_Cnt_T_s32[i] >= 262136"" and ""HighResError_Cnt_T_s32[i] >= -262136"" path in P 2.9 and P 2.10 respectively.
4)100% coverage cannot be achieved in ""PhaseGroundTabLookupoffset"" Function due to ""FPM_Fix_m"" macro usage.
5)""CBD_Sandbox_dbg.map"" map file is embedded for reference."

*** |

Attributes

Name	Value
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

Attributes	
Name	**Value**
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Boundary Test ✔

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 17.00 Cycles
Description	Vector Description
	Only Output variables present

Test Step 1.1 (Repeat Count = 1) ✔

Name	Actual Value	Expected Value	Result
SVDiag_HighResPhsReasDisable_M_u8	0	0 ± 1	✔
SVDiag_LowResPhsReasDisable_M_u8	0	0 ± 1	✔

Test Case 1: Boundary Test