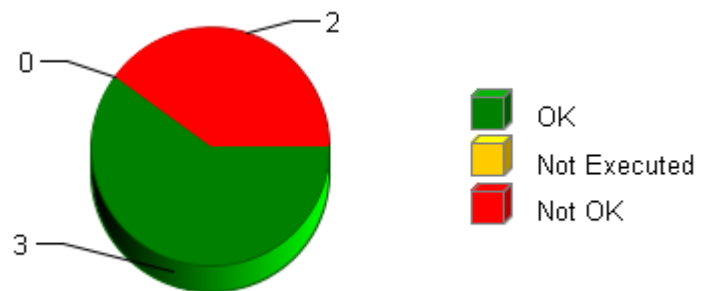


Summary

Total Test Objects: 5
Successful: 3
Failed: 2
Not Executed: 0
Date: 2015-01-14
Time: 13:35:25+0530

Overall Test Object Results (including Coverage)



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"

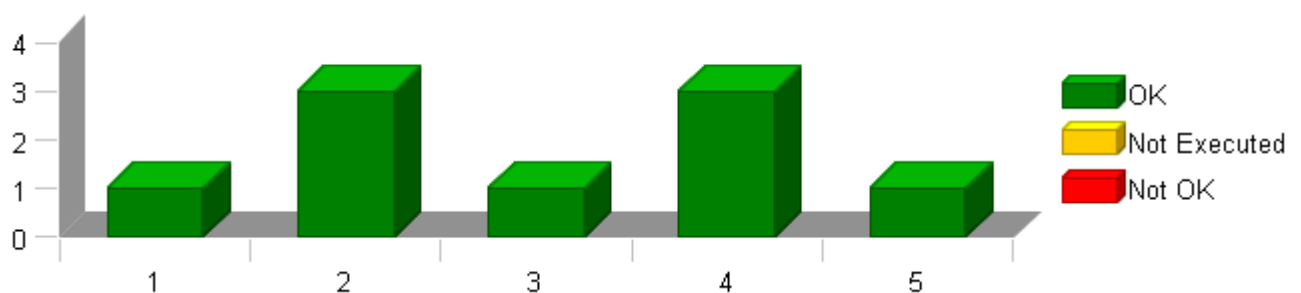
Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

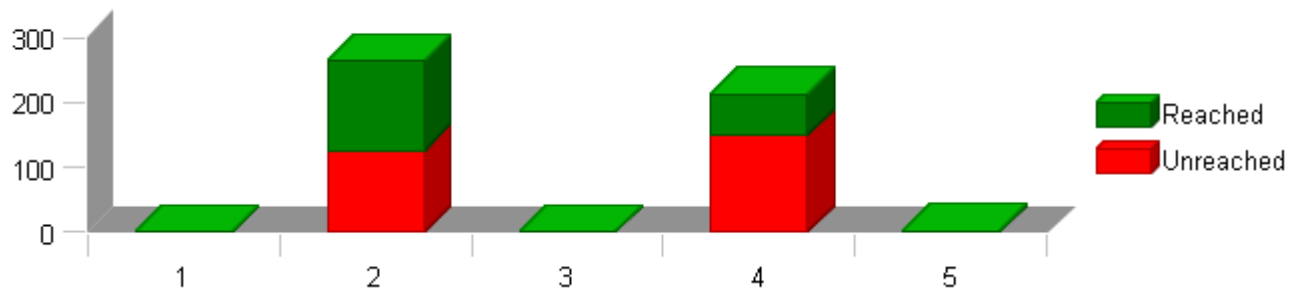
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No
Instrumentation: Test Object Only
Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)



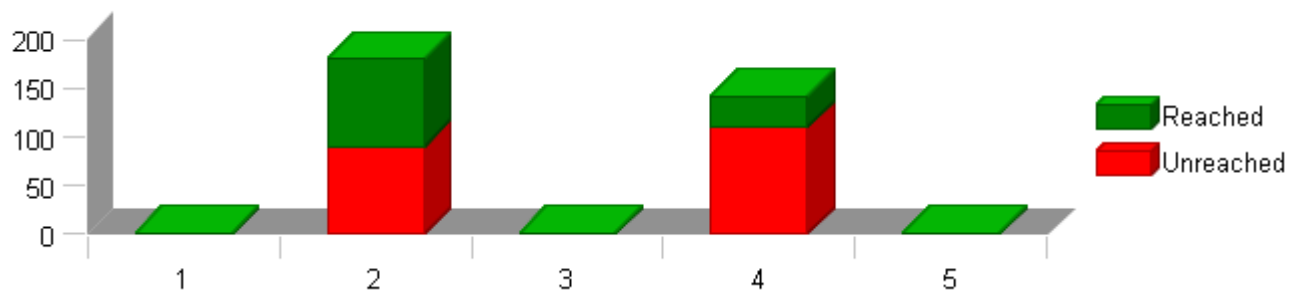
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



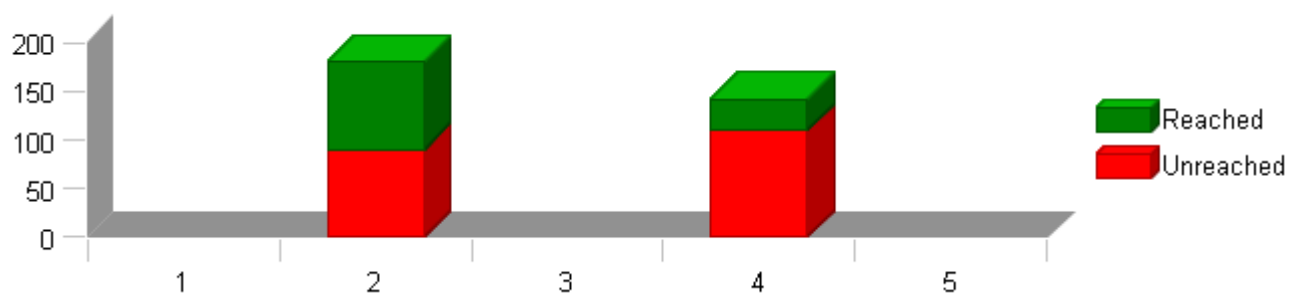
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

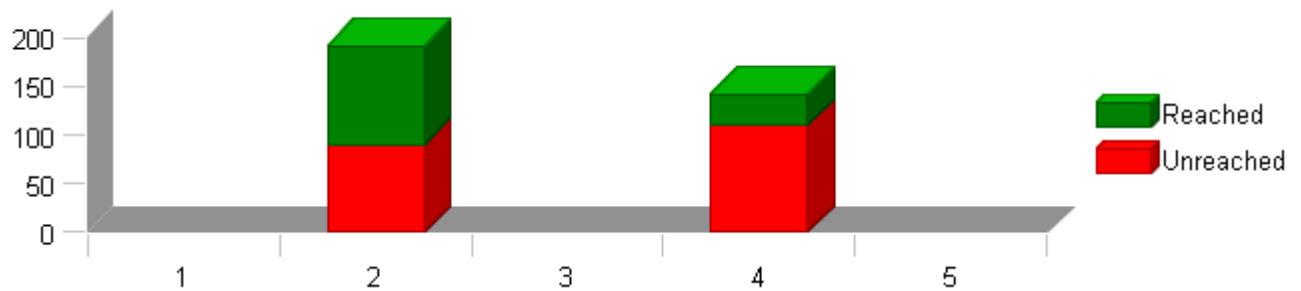
Decision Coverage: Total Decision Outcomes for Each Test Object



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.

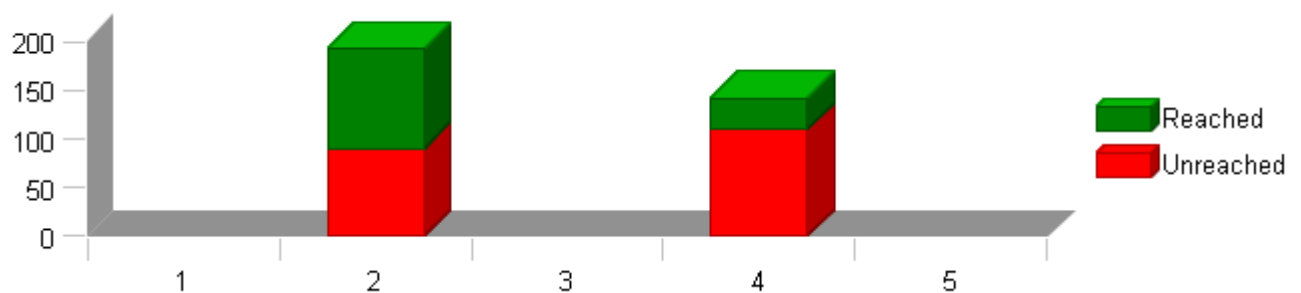
MC/DC Coverage: Total Condition Combinations for Each Test Object



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	✔

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DigPhsReasDiag_Per1



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)\NxtLib\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.tpl
Target Install Path	\$(ProgramFiles)\pls

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DigPhsReasDiag_Per1



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

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DigPhsReasDiag_Per1

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 Description: 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_LRPRAdjModldAComp_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_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]	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_LowResPhsReasMaxToUls_f32	0.650341809
k_LowResPhsReasMinToUls_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

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DigPhsReasDiag_Per1

Name	Input Value
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDAActivateTest_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_Cnt	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_MotorVelMRFFiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDAActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDAActivateTest_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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

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DigPhsReasDiag_Per1

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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DigPhsReasDiag_Per1

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_PhReasEnableThresh_Cnt_u32==>Min
TS2.50	k_PhReasEnableThresh_Cnt_u32==>Max
TS2.51	k_PhReasEnableThresh_Cnt_u32==>Pos
TS2.52	k_PhReasErrorTerm_Cnt_s16==>Min
TS2.53	k_PhReasErrorTerm_Cnt_s16==>Max
TS2.54	k_PhReasErrorTerm_Cnt_s16==>Zero
TS2.55	k_PhReasErrorTerm_Cnt_s16==>Pos
TS2.56	k_PhReasErrorTerm_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_LRPRAdjModldAComp_Cnt_M_f32==>Min
TS2.69	SVDiag_LRPRAdjModldAComp_Cnt_M_f32==>Max
TS2.70	SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32==>Min
TS2.84	SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32==>Max
TS2.85	SVDiag_PrevLRPRAdjModldComp_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

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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_LRPRAdjModlIdAComp_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_PrevLRPRAdjModlIdComp_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

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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	

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DigPhsReasDiag_Per1

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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	2			
k_LowResPhsReasMinToI_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_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]	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		✓

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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_LowResPhsReasMaxToUls_f32	2	
k_LowResPhsReasMinToUls_f32	0.823276341	
k_LowResPhsReas_Cnt_str.Threshold	677	
k_LowResPhsReas_Cnt_str.PStep	248	
k_LowResPhsReas_Cnt_str.NStep	802	
k_PhReasEnableThresh_Cnt_u32	75942	
k_PhReasErrorTerm_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.28630358
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_LowResPhsReasMaxToI_Uls_f32	0.83201158		
k_LowResPhsReasMinToI_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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_Cnt_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_Cnt_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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	51129
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_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]	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_LowResPhsReasMaxToUls_f32	0.650341809		
k_LowResPhsReasMinToUls_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_Cnt	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	✔

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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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	92851	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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]			

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DigPhsReasDiag_Per1

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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	2		
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.129999995	0.13	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.641180038
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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]	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	

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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_LowResPhsReasMaxToI_Uls_f32	2		
k_LowResPhsReasMinToI_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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	0.620892406
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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

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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_PhReasEnableThresh_Cnt_u32	3120
k_PhReasErrorTerm_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_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]	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_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]	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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	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]	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	✔

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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_LowResPhsReasMaxToUls_f32	1.866672814	
k_LowResPhsReasMinToUls_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.200000003	0.2	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	1.365184307
k_LowResPhsReasMinToUls_f32	0.16436398
k_LowResPhsReas_Cnt_str.Threshold	811
k_LowResPhsReas_Cnt_str.PStep	725
k_LowResPhsReas_Cnt_str.NStep	815
k_PhReasEnableThresh_Cnt_u32	29801
k_PhReasErrorTerm_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_Cnt	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

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	1536	1536	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	591	591	✓
SVDiag_LowResPhsReasDisable_M_u8	93	93 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	0.026579261		
k_LowResPhsReasMinToUls_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_Cnt	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	✔

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	0.209145963	
k_LowResPhsReasMinToUls_f32	0.075508654	
k_LowResPhsReas_Cnt_str.Threshold	716	
k_LowResPhsReas_Cnt_str.PStep	274	
k_LowResPhsReas_Cnt_str.NStep	278	
k_PhReasEnableThresh_Cnt_u32	184889	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.270000011	0.27	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔



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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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	✓

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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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.367921412			
k_LowResPhsReasMinToI_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_Cnt	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		✓

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	2	
k_LowResPhsReasMinToUls_f32	0.988061428	
k_LowResPhsReas_Cnt_str.Threshold	733	
k_LowResPhsReas_Cnt_str.PStep	223	
k_LowResPhsReas_Cnt_str.NStep	893	
k_PhReasEnableThresh_Cnt_u32	81034	
k_PhReasErrorTerm_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_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_Uls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.340000004	0.34	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.364431143
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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_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	4744	4744	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	76	76 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	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	✔

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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]	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_PrevLRPRAdjModIdComp_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_LRPRAdjModIdAComp_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_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]	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_LowResPhsReasMaxToUls_f32	1.162980437	
k_LowResPhsReasMinToUls_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.419999987	0.42	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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_LowResPhsReasMaxToI_Uls_f32	0.480914354
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_PhReasEnableThresh_Cnt_u32	197791			
k_PhReasErrorTerm_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_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]	-27303936	-27303936		✓
SVDiag_HighResPhsReasDisable_M_u8	12	12 ± 1		✓

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DigPhsReasDiag_Per1

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_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_PrevLRPRAdjModIdComp_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_LRPRAdjModIdAComp_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_PrevLRPRAdjModIdComp_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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	86275	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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]			

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.49000001	0.49	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0.415904939
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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	

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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_MotorVelIMRFUnfiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelIMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelIMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	33129
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	2		
k_LowResPhsReasMinToUls_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_Cnt	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	✔

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	0	
k_LowResPhsReasMinToUls_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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DigPhsReasDiag_Per1

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

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0.03418386
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_Cnt_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_Cnt_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	✔

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	0.241667032
k_LowResPhsReasMinToUls_f32	0.824356914
k_LowResPhsReas_Cnt_str.Threshold	150
k_LowResPhsReas_Cnt_str.PStep	109
k_LowResPhsReas_Cnt_str.NStep	574
k_PhReasEnableThresh_Cnt_u32	152850
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000
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	0.69
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	400
k_ErrorFiltKn_Cnt_u16	34327
k_ErrorThresh_Cnt_u32	172540
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	513.9196233

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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_PhReasEnableThresh_Cnt_u32	47612
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	1250	1250	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	92	92 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0.890998006			
k_LowResPhsReasMinToI_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_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]	-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		✓

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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_LowResPhsReasMaxToUls_f32	1.7767784	
k_LowResPhsReasMinToUls_f32	0.697349846	
k_LowResPhsReas_Cnt_str.Threshold	651	
k_LowResPhsReas_Cnt_str.PStep	282	
k_LowResPhsReas_Cnt_str.NStep	819	
k_PhReasEnableThresh_Cnt_u32	121912	
k_PhReasErrorTerm_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	5112	5112	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✔
SVDiag_LowResPhsReasDisable_M_u8	78	78 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.629999995	0.63	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0.387054026
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	2
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✓
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	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]	-2829126	-2829126		✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-3267171	-3267171		✓
SVDiag_HighResPhsReasDisable_M_u8	30	30 ± 1		✓

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	0.214813828
k_LowResPhsReasMinToUls_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

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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

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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_PrevLRPRAdjModldComp_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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	0.5	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓

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DigPhsReasDiag_Per1

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	888	888	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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 2.71 (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	0
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.68
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	301
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	65120.45896
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	0.8
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	1500
k_ErrorFiltKn_Cnt_u16	16690
k_ErrorThresh_Cnt_u32	12734
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	468.931407
k_LowResPhsReasMaxToI_Uls_f32	0.459621906
k_LowResPhsReasMinToI_Uls_f32	1.898839116
k_LowResPhsReas_Cnt_str.Threshold	531
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	478
k_PhsReasEnableThresh_Cnt_u32	155725
k_PhsReasErrorTerm_Cnt_s16	-2329
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	42816
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	109988
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	72504
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.54947412
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1524
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69751
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	165477
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	181394
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	623.7762838
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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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DigPhsReasDiag_Per1

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_MtrRadP_s_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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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	

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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_MotorVelMRFFiltered_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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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_LRPRAdjModldAComp_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_MaxNrCommOfVltg_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	2
k_LowResPhsReasMinToUls_f32	1.105107307
k_LowResPhsReas_Cnt_str.Threshold	639
k_LowResPhsReas_Cnt_str.PStep	773
k_LowResPhsReas_Cnt_str.NStep	89
k_PhReasEnableThresh_Cnt_u32	1782
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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DigPhsReasDiag_Per1

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	✓

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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

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	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]	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	✔

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DigPhsReasDiag_Per1

Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModIdAComp_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_PrevLRPRAdjModIdComp_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_LRPRAdjModIdAComp_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_PrevLRPRAdjModIdComp_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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	91283	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.74000001	0.74	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0.266519666
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	0.541185379
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	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]	-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		✓

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToI_Uls_f32	1.37069124	
k_LowResPhsReasMinToI_Uls_f32	1.632939398	
k_LowResPhsReas_Cnt_str.Threshold	800	
k_LowResPhsReas_Cnt_str.PStep	112	
k_LowResPhsReas_Cnt_str.NStep	875	
k_PhReasEnableThresh_Cnt_u32	127316	
k_PhReasErrorTerm_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_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		
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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	1434	1434	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	93	93 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.810000002	0.81	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓

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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_LowResPhsReasMaxToI_Uls_f32	1.567718804
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	2
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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DigPhsReasDiag_Per1

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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	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_LRPRPhaseadvanceCaptured_Cnt_s16	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_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.879999995	0.88	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

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DigPhsReasDiag_Per1

Name	Actual Value	Expected Value
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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_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_PhReasEnableThresh_Cnt_u32	190427
k_PhReasErrorTerm_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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	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

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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

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.003827095		
k_LowResPhsReasMinToI_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_Cnt	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	✔

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	2	
k_LowResPhsReasMinToUls_f32	0.805785835	
k_LowResPhsReas_Cnt_str.Threshold	326	
k_LowResPhsReas_Cnt_str.PStep	647	
k_LowResPhsReas_Cnt_str.NStep	683	
k_PhReasEnableThresh_Cnt_u32	180657	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.949999988	0.95	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	2
k_LowResPhsReasMinToI_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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DigPhsReasDiag_Per1

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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.965117753
k_LowResPhsReasMinToI_Uls_f32	1.248423994
k_LowResPhsReas_Cnt_str.Threshold	377
k_LowResPhsReas_Cnt_str.PStep	864
k_LowResPhsReas_Cnt_str.NStep	507
k_PhReasEnableThresh_Cnt_u32	158440
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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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

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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_PhReasEnableThresh_Cnt_u32	145967
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldAComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	2			
k_LowResPhsReasMinToI_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_Cnt	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		✓

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	1.715960026	
k_LowResPhsReasMinToUls_f32	1.025065541	
k_LowResPhsReas_Cnt_str.Threshold	617	
k_LowResPhsReas_Cnt_str.PStep	0	
k_LowResPhsReas_Cnt_str.NStep	701	
k_PhReasEnableThresh_Cnt_u32	91850	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	617	617	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.150000006	0.15	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LowResPhsReasMaxToUls_f32	1.715960026
k_LowResPhsReasMinToUls_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_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		
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	0.20000003	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	

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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_MotorVelMRFFiltered_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_MotorVelMRFFiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_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	✓

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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 2.108 (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	61
SVDiag_LRPRAdjModldAComp_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	4807
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	943
SVDiag_LowResPhsReasDisable_M_u8	87
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	55684.32517
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	0.7
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	4900
k_ErrorFiltKn_Cnt_u16	43016
k_ErrorThresh_Cnt_u32	102734
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	93.23398137
k_LowResPhsReasMaxToUls_f32	1.070433855
k_LowResPhsReasMinToUls_f32	1.36237514
k_LowResPhsReas_Cnt_str.Threshold	700
k_LowResPhsReas_Cnt_str.PStep	346
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	75144
k_PhsReasErrorTerm_Cnt_s16	-6219
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	195871
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	136639
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59205
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	328
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	51445
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	69660
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44494
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-277.5141727
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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_u08		
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		

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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DigPhsReasDiag_Per1

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Cnt	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	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_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓	

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	0.004566371	
k_LowResPhsReasMinToUls_f32	1.783162415	
k_LowResPhsReas_Cnt_str.Threshold	1000	
k_LowResPhsReas_Cnt_str.PStep	717	
k_LowResPhsReas_Cnt_str.NStep	477	
k_PhReasEnableThresh_Cnt_u32	69376	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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	6026	6026	✔
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✔
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	✔
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	0.5	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✔

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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	✓
PhaseGroundTabLookuoffset	1	PhaseGroundTabLookuoffset	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_LowResPhsReasMaxToI_Uls_f32	0.064098895
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_MtrRadP_s_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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.55000012	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_MotorVelMRFFiltered_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_MotorVelMRFFiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_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	✓

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T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1		✓
PhaseGroundTabLookupoffset					

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DigPhsReasDiag_Per1

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		

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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_Igc) And (SVDiag_HighResPhsReasDisable_M_u8 < 100))=False
(TRUE == PDActivateTest_Cnt_T_Igc)=True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)
(MeasuredOnTime_Cnt_T_u32[i] >= k_PhReasEnableThresh_Cnt_u32) =True OR
(ExpectedOnTime_Cnt_T_u32[i] >= k_PhReasEnableThresh_Cnt_u32) =False)
(ErrorFitOut_Cnt_T_s32[i] > ((sint32)k_ErrorThresh_Cnt_u32))=False
((-ErrorFitOut_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
((-ErrorFitOut_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_Igc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_Igc[i])=True
(TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_Igc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_Igc[i])=True
(ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_U08)=True
(TRUE == PDActivateTest_Cnt_T_Igc) = 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_PhReasEnableThresh_Cnt_u32) = True ||
(ExpectedOnTime_Cnt_T_u32[i] >= k_PhReasEnableThresh_Cnt_u32) = False)
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=True
(TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_Igc[i] =True) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_Igc[i])=False)"
TS3.4 "
(TRUE == PDActivateTest_Cnt_T_Igc) && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=True
(TRUE == PDActivateTest_Cnt_T_Igc) && (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_PHSPSADVNTS90DEG_CNT_U16)
== (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPSADVNTS90DEG_CNT_U16))=False)"
TS3.5 (ErrorFitOut_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_PHSPSADVNTS90DEG_CNT_U16)
== (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPSADVNTS90DEG_CNT_U16)))=True
(TRUE == SetFaultCounter_Cnt_T_Igc) =False"
TS3.7 "(((Abs_f32_m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
((Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPSADVNTS90DEG_CNT_U16)
== (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPSADVNTS90DEG_CNT_U16)))=True
(TRUE == SetFaultCounter_Cnt_T_Igc) =False"
TS3.8 "(SVDiag_HighResPhsReasDisable_M_u8 > 100U)=True
(SVDiag_LowResPhsReasDisable_M_u8 > 100U)=True
((-ErrorFitOut_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_Igc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_Igc[i])=True
(TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_Igc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_Igc[i])=True
(ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_U08)=True
(TRUE == PDActivateTest_Cnt_T_Igc) = 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_PHSNEGADVNTS90DEG_CNT_S16,(sint16)D_PHSPSADVNTS90DEG_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_Igc[i]) && (TRUE == SVDiag_LRPRHighSector_Cnt_M_Igc[i]))->True
TS3.15 if (TRUE == SetFaultCounter_Cnt_T_Igc) ->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_Igc[0]	0
SVDiag_LRPRHighSector_Cnt_M_Igc[1]	0

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✓

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Name	Actual Value	Expected Value	Result
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 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_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	72000	
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	
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_LowResPhsReasMaxToUls_f32	2	
k_LowResPhsReasMinToUls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	1000	
k_LowResPhsReas_Cnt_str.PStep	1000	
k_LowResPhsReas_Cnt_str.NStep	1000	
k_PhReasEnableThresh_Cnt_u32	200000	
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	

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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_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_MotorVelMRFFiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFFiltered_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	✔

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	0.714330018
k_LowResPhsReasMinToUls_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_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]	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	✓

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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_LowResPhsReasMaxToUls_f32	2	
k_LowResPhsReasMinToUls_f32	0.823276341	
k_LowResPhsReas_Cnt_str.Threshold	677	
k_LowResPhsReas_Cnt_str.PStep	248	
k_LowResPhsReas_Cnt_str.NStep	802	
k_PhReasEnableThresh_Cnt_u32	75942	
k_PhReasErrorTerm_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	

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DigPhsReasDiag_Per1

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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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]			✓

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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_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		
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_Cnt	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]	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_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]	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_PrevLRPRAdjModldComp_Cnt_M_f32	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✔
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✔

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	0
k_LowResPhsReasMinToI_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc

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_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 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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	

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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_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)	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	✔

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DigPhsReasDiag_Per1

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToUls_f32	1.28630358
k_LowResPhsReasMinToUls_f32	0.016717136
k_LowResPhsReas_Cnt_str.Threshold	832
k_LowResPhsReas_Cnt_str.PStep	475
k_LowResPhsReas_Cnt_str.NStep	922
k_PhReasEnableThresh_Cnt_u32	91581
k_PhReasErrorTerm_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓	
PhaseGroundTabLookpoffset	1	PhaseGroundTabLookpoffset	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	✓	

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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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_LowResPhsReasMaxToI_Uls_f32	1.9973858			
k_LowResPhsReasMinToI_Uls_f32	2			
k_LowResPhsReas_Cnt_str.Threshold	911			
k_LowResPhsReas_Cnt_str.PStep	366			
k_LowResPhsReas_Cnt_str.NStep	439			
k_PhReasEnableThresh_Cnt_u32	87021			
k_PhReasErrorTerm_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_Cnt	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		✓

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DigPhsReasDiag_Per1

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_LowResPhsReasMaxToUls_f32	0	
k_LowResPhsReasMinToUls_f32	1.684043169	
k_LowResPhsReas_Cnt_str.Threshold	314	
k_LowResPhsReas_Cnt_str.PStep	817	
k_LowResPhsReas_Cnt_str.NStep	832	
k_PhReasEnableThresh_Cnt_u32	137672	
k_PhReasErrorTerm_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	

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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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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

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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_PrevLRPRAdjModldComp_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_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	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_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]	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.899999976	0.9	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓

TEST DETAILS REPORT

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DigPhsReasDiag_Per1

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	✓

TEST DETAILS REPORT

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PhaseGroundTabLookupoffset



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 %

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)\NxtLib\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.tpl
Target Install Path	\$(ProgramFiles)\pls

TEST DETAILS REPORT

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PhaseGroundTabLookupoffset



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 DETAILS REPORT

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PhaseGroundTabLookUpoffset



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 DETAILS REPORT

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PhaseGroundTabLookupoffset



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	✓

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)\NxtLib\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.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		✓

TEST DETAILS REPORT

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DigPhsReasDiag_Trans1



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)\NxtLib\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.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

TEST DETAILS REPORT

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DigPhsReasDiag_Trans1



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 DETAILS REPORT

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DigPhsReasDiag_Trans1



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 DETAILS REPORT

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DigPhsReasDiag_Init



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)\NxtLib\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.tpl
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

TEST DETAILS REPORT

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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

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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	✓

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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		✓