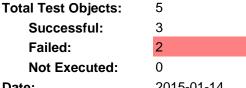
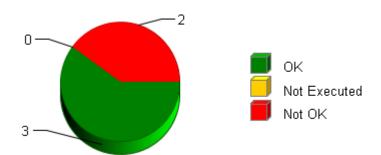


Summary

Overall Test Object Results (including Coverage)



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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

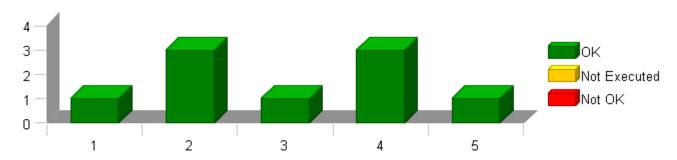
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition /

Decision Coverage, Multiple Condition Coverage

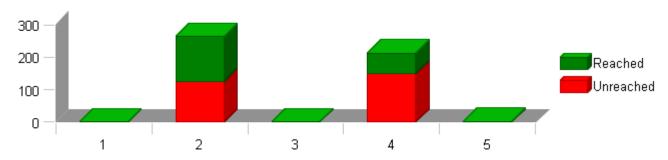
Test Case Results for Each Test Object (without Coverage)



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).

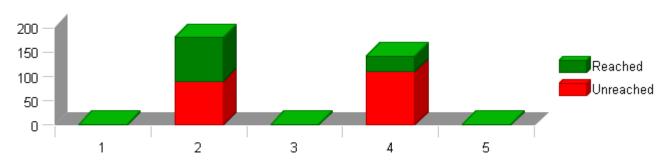


Statement (C0) Coverage: Total Statements for Each Test Object



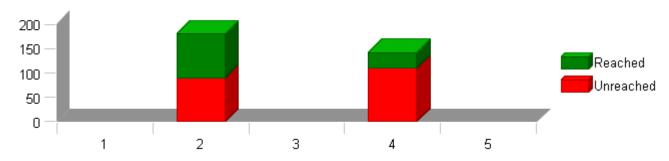
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

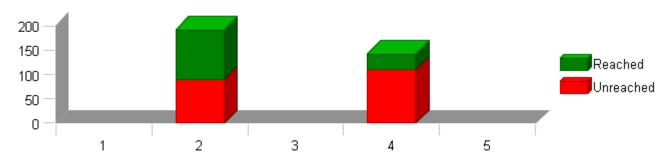


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



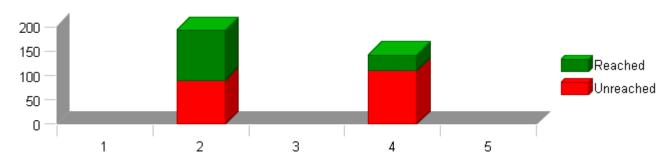
MC/DC Coverage: Total Condition Combinations for Each Test Object



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	МСС	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	18
	DigPhsReasDiag	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	×
1	<u>DigPhsReasDiag_Init</u>	100 %	100 %	-	-	-	1 of 1 passed	•
2	<u>DigPhsReasDiag_Per1</u>	52.27 %	50 %	50 %	53.12 %	53.36 %	3 of 3 passed	×
3	<u>DigPhsReasDiag_Trans1</u>	100 %	100 %	-	-	-	1 of 1 passed	•
4	<u>PhaseGroundTabLookupoffset</u>	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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 Project
 CBD_SVDiag

 Module
 DigPhsReasDiag

 Test Object
 DigPhsReasDiag_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory D:\Synergy_Work_Area\CBD_SVDiag		
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml	
Target Environment TI TMS 570 PLS UDE (Default)		
Kind of Test Unit Test		
Linker Options		
Source File(s)		
File	\$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c	
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT) \SVDiag\utp\contract\Ap_DigPhsReasDiag -I\$(Compiler Install Path)\include	

Name	Text
Module 'DigPhsReasDiag'	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 (CodeCen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Vyrsio: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 1788 Total RAM Used (Bytes): 30 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"" 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl			
Target Install Path	\$(ProgramFiles)\pls			

DigPhsReasDiag_Per1

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Attributes				
Name	Value			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg				
Workspace File D:\Synergy Work Area\CBD SVDiag\UnitTestEnv\config\UDE TMS570 DEBUG.WSP				



Test Case 1: Metrics Test

Specification

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

Description

Vector Decsription:
TS1.1 "Shortest Execution Path:
if(SVDiag_HighResPhsReasDisable_M_u8 > 100U)->False
if(SVDiag_LowResPhsReasDisable_M_u8 > 100U)->False
if(LRPRModIdx_Uls_T_f32 < 0.0F)->True
if ((SVDiag_LowResPhsReasDisable_M_u8 < 50U) || ((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_LowResPhsReasDisable_M_u8 < 50U) || ((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_LowResPhsReasDi

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)

"I(Parambis_Ont_T_000 == D_RESETDIGDIAGACTIVE_->False"

TS1.2 "Longest Execution Path:
if(SVDiag_HighResPhsReasDisable_M_u8 > 100U)->True
if(SVDiag_LowResPhsReasDisable_M_u8 > 100U)->True
if(LRPRModIdx_UIs_T_f32 < 0.0F)->True

II (LKPRMINDUIDS_DIS_IT_ISZ < 0.0F)-F1IUB (ITQUE == PDActivateTest_Cnt_T_lgc) && (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)	Innuit Value
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag PrevLRPRHighSector Cnt M Igc[1]	0
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0
SVDiag PrevLRPRLowSector Cnt M Igc[0]	1
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1110
k_ErrorFiltKn_Cnt_u16	55082
k_ErrorThresh_Cnt_u32	45204
k LRPRMtrVelDiagEnable MtrRadpS T f32	19.95787042
k LowResPhsReasMaxTol Uls f32	0.650341809
k LowResPhsReasMinTol Uls f32	0.363156259
k LowResPhsReas Cnt str.Threshold	104
k LowResPhsReas Cnt str.PStep	371
CLowResPhsReas Cnt str.NStep	645
k PhsReasEnableThresh Cnt u32	156256
C PhsReasErrorTerm Cnt s16	3701
c_riskeasEndiTerii_Cit_S10 igt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cht_usz.value	36333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cht_usz.value	132972
gt_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

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Name	Input Value			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_Expected$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveReset/	Active_Cnt_lgc		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32		/trPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	exC tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaption and the property of the property $	Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCai tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_MeasuredOnTim$	Diag_Per1_MeasuredOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	B_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	InTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	rVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	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	✓	

tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	~
SVDiag_HighResPhsReasDisable_M_u8	6	6 ± 1	~
SVDiag_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.109999999	0.11	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1000	1000	✓

T ·						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~		
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~		
Read_CountToRev	3	Read_CountToRev	3	~		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•		
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	-		

Test Step 1.2 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_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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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReaDiag_Per$	tgt_DigPhsReasDiag_Per1_Expected	OnTimeA_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	tgt_DigPhsReasDiag_Per1_Expected	OnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_Expected	OnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_extractions and the property of the $	tgt_DigPhsReasDiag_Per1_GateDrive	eResetActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCo	rrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints (Applied From Front 1998) and (Applied Front 1998) and (Applie$	tgt_DigPhsReasDiag_Per1_LRPRMo	dulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled and the property of the property o$	tgt_DigPhsReasDiag_Per1_LRPRPh	aseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnnter(Ap_DigPhsReasDiag)$	tgt_DigPhsReasDiag_Per1_Measure	dOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpersUpersUpersUpersUpersUpersUpers$	tgt_DigPhsReasDiag_Per1_Measure	dOnTimeB_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cn	tgt_DigPhsReasDiag_Per1_Measure	dOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVel	MRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparing the property of the propert$	tgt_DigPhsReasDiag_Per1_MtrElecM	echPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igenerated (Continuous Continuous Cont$	tgt_DigPhsReasDiag_Per1_PDActiva	teTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_	_lgc tgt_DigPhsReasDiag_Per1_l	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	3) 0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	m) 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_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]	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	~

DigPhsReasDiag_Per1

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Test Case 2: Boundary Test

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Specification

DigPhsReasDiag_Per1

Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: 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 TS2.7 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 TS2.18 4981.00 Cycles TS2.19 4889.00 Cycles TS2.19 4889.00 Cycles TS2.21 4882.00 Cycles TS2.22 5012.00 Cycles TS2.22 5012.00 Cycles TS2.23 4890.00 Cycles TS2.24 4936.00 Cycles TS2.25 2665.00 Cycles TS2.26 4884.00 Cycles TS2.26 4884.00 Cycles TS2.29 4689.00 Cycles TS2.29 4689.00 Cycles TS2.30 5001.00 Cycles TS2.31 4880.00 Cycles TS2.32 4796.00 Cycles TS2.33 4890.00 Cycles TS2.33 4890.00 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 TS2.39 4717.00 Cycles TS2.39 4717.00 Cycles TS2.41 4974.00 Cycles TS2.42 4302.00 Cycles TS2.43 5016.00 Cycles TS2.44 5130.00 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 TS2.49 4957.00 Cycles TS2.55 4468.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 5500.00 Cycles TS2.55 4500.00 Cycles TS2.56 5191.00 Cycles TS2.57 5198.00 Cycles TS2.58 4903.00 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
TS2.61 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
TS2.67 5082.00 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
TS2.77 4250.00 Cycles
TS2.77 4250.00 Cycles
TS2.77 4250.00 Cycles
TS2.78 4946.00 Cycles
TS2.79 4863.00 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 TS2.84 4756.00 Cycles
TS2.85 5137.00 Cycles
TS2.85 5137.00 Cycles
TS2.87 4623.00 Cycles
TS2.87 4623.00 Cycles
TS2.89 4778.00 Cycles
TS2.99 4509.00 Cycles
TS2.91 4636.00 Cycles
TS2.92 4924.00 Cycles
TS2.92 4924.00 Cycles
TS2.94 4451.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 5087.00 Cycles
TS2.97 4410.00 Cycles
TS2.99 4577.00 Cycles
TS2.100 4678.00 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
TS2.108 4818.00 Cycles
TS2.109 4779.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles TS2.110 4824.00 Cycles TS2.111 5163.00 Cycles

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DigPhsReasDiag_Per1



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



DigPhsReasDiag_Per1

Description Vector Description:

TS2.1 All Min TS2.2 All Max MeasuredOnTimeA_Cnt_u32==>Min MeasuredOnTimeA_Cnt_u32==>Max MeasuredOnTimeA_Cnt_u32==>Pos TS2.3 TS2 4 TS2.5 MeasuredOnTimeA_Cnt_u32==>Pos
TS2.6 MeasuredOnTimeB_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==>Min
TS2.12 ExpectedOnTimeA_Cnt_u32==>Min
TS2.13 ExpectedOnTimeA_Cnt_u32==>Min
TS2.14 ExpectedOnTimeA_Cnt_u32==>Pos
TS2.15 ExpectedOnTimeB_Cnt_u32==>Min
TS2.16 ExpectedOnTimeB_Cnt_u32==>Min
TS2.17 ExpectedOnTimeB_Cnt_u32==>Pos
TS2.18 ExpectedOnTimeC_Cnt_u32==>Min
TS2.19 ExpectedOnTimeC_Cnt_u32==>Min
TS2.10 ExpectedOnTimeC_Cnt_u32==>Min
TS2.21 ExpectedOnTimeC_Cnt_u32==>Min
TS2.22 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.21 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.21 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.21 ExpectedOnTimeC_Cnt_u32==>Pos TS2.5 TS2.21 LRPRCorrectedMtrPosCaptured_Rev_f32==>Min LRPRCorrectedMtrPosCaptured_Rev_f32==>Max
LRPRCorrectedMtrPosCaptured_Rev_f32==>Pos
LRPRPhaseadvanceCaptured_Cnt_s16==>Min
LRPRPhaseadvanceCaptured_Cnt_s16==>Max TS2.22 TS2 23 TS2.25 LRPRPhaseadvanceCaptured_Cnt_s16==>Zero LRPRPhaseadvanceCaptured_Cnt_s16==>Neg TS2 26 TS2.27 LRPRPhaseadvanceCaptured_Cnt_s16==>Pos TS2.28 LRPRModulationIndexCaptured_UIs_f32==>Min LRPRModulationIndexCaptured_UIs_f32==>Max LRPRModulationIndexCaptured_UIs_f32==>Zero TS2.29 TS2.30 TS2.31 LRPRModulationIndexCaptured_Uls_f32==>Pos LRPRModulationIndexCaptured_Uls_f32==>Neg MotorVelMRFUnfiltered_MtrRadpS_f32==>Min TS2.32 TS2.33 TS2.34 MotorVelMRFUnfiltered_MtrRadpS_f32==>Max MotorVelMRFUnfiltered_MtrRadpS_f32==>Zero MotorVelMRFUnfiltered_MtrRadpS_f32==>Pos TS2.35 TS2.36 TS2.37 MotorVelMRFUnfiltered_MtrRadpS_f32==>Neg MtrElecMechPolarity_Cnt_s08==>Min MtrElecMechPolarity_Cnt_s08==>Max TS2.38 TS2 39 TS2.40 PDActivateTest_Cnt_lgc==>Min PDActivateTest_Cnt_lgc==>Max SVDiag_HighResPhsReasDisable_M_u8==>Min TS2.41 TS2 42 TS2.43 TS2.44 SVDiag_HighResPhsReasDisable_M_u8==>Max SVDiag_HighResPhsReasDisable_M_u8==>Pos SVDiag_LowResPhsReasDisable_M_u8==>Min TS2.45 TS2.46 SVDiag_LowResPhsReasDisable_M_u8==>Max TS2.47 SVDiag_LowresPriskeasDisable_M_u8==>Max
SVDiag_LowResPriskeasDisable_M_u8==>Pos
k_PhsReasEnableThresh_Cnt_u32==>Min
k_PhsReasEnableThresh_Cnt_u32==>Max
k_PhsReasErrorTerm_Cnt_u32==>Pos
k_PhsReasErrorTerm_Cnt_s16==>Min
k_PhsReasErrorTerm_Cnt_s16==>Zero
k_PhsReasErrorTerm_Cnt_s16==>Zero
k_PhsReasErrorTerm_Cnt_s16==>Zero TS2.48 TS2.49 TS2.50 TS2.51 TS2.52 TS2.53 TS2.54 k_PhsReasErrorTerm_Cnt_s16==>Pos k_PhsReasErrorTerm_Cnt_s16==>Neg TS2 55 TS2.56 k_Phskeaserrori erm_cht_s1b==>Neg
SVDiag_FilterSV_cht_M_s18p13[3]==>Min
SVDiag_FilterSV_cht_M_s18p13[3]==>Max
SVDiag_FilterSV_cht_M_s18p13[3]==>Zero
SVDiag_FilterSV_cht_M_s18p13[3]==>Pos
SVDiag_FilterSV_cht_M_s18p13[3]==>Neg
k_ErrorFiltKn_cht_u16==>Min
k_ErrorFiltKn_cht_u16==>Max TS2.57 TS2 58 TS2.59 TS2.60 TS2 61 TS2.62 TS2.63 k_ErrorFiltKn_Cnt_u16==>Pos k_ErrorThresh_Cnt_u32==>Min k_ErrorThresh_Cnt_u32==>Max TS2.64 TS2.65 TS2.66 k_ErrorThresh_Cnt_u32==>Pos SVDiag_LRPRAdjModldAComp_Cnt_M_f32==>Min SVDiag_LRPRAdjModldAComp_Cnt_M_f32==>Max TS2.67 TS2.68 TS2.69 SVDiag_LRPRAdjModldAComp_Cnt_M_f32==>Pos SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Min SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Max TS2.70 TS2 71 TS2.72 SVDiag_LRPRPhsAdvComp_Cnt_M_u16==>Pos SVDiag_PhaseOffset_Rev_M_u0p16[3]=>=Min SVDiag_PhaseOffset_Rev_M_u0p16[3]==>Max TS2.73 TS2 74 TS2.75 TS2.76 SVDiag_PhaseOffset_Rev_M_u0p16[3]==>Pos SVDiag_LRPRHighSector_Cnt_M_lgc[3]==>Min SVDiag_LRPRHighSector_Cnt_M_lgc[3]==>Max TS2 77 TS2.78 SVDiag_LRPRHighSector_Cnt_M_lgc[3]==>Max
SVDiag_LRPRLowSector_Cnt_M_lgc[3]==>Max
SVDiag_LRPRLowSector_Cnt_M_lgc[3]==>Max
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[3]==>Min
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[3]==>Max
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32==>Min
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32==>Min
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32==>Max
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32==>Pos
k_LowResPhsReasMaxTol_Uls_f32==>Min
k_LowResPhsReasMaxTol_Uls_f32==>Max
LowResPhsReasMaxTol_Uls_f32==>Nos TS2.79 TS2.80 TS2.81 TS2.82 TS2.83 TS2.84 TS2.85 TS2.86 TS2.87 k LowResPhsReasMaxTol Uls f32==>pos TS2.88 k_LowResPhsReasMinTol_Uls_f32==>Min k_LowResPhsReasMinTol_Uls_f32==>Max k_LowResPhsReasMinTol_Uls_f32==>Pos TS2.89 TS2 90 TS2 91 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Min TS2.92 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Max TS2 93 SVDiag_MaxNrCommOffVltg_Cnt_M_f32==>Pos TS2.94



TS2.95 SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Min
TS2.96 SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Max
TS2.97 SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16==>Max
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==>Mos
TS2.104 k_LowResPhsReas_Cnt_str.Pstep==>Min
TS2.105 k_LowResPhsReas_Cnt_str.Pstep==>Min
TS2.106 k_LowResPhsReas_Cnt_str.Pstep==>Mos
TS2.107 k_LowResPhsReas_Cnt_str.Pstep==>Min
TS2.108 k_LowResPhsReas_Cnt_str.Nstep==>Min
TS2.109 k_LowResPhsReas_Cnt_str.Nstep==>Min
TS2.110 k_LowResPhsReas_Cnt_str.Threshold==>Min
TS2.111 k_LowResPhsReas_Cnt_str.Threshold==>Min
TS2.112 k_LowResPhsReas_Cnt_str.Threshold==>Min
TS2.113 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[3]==>Min
TS2.114 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[3]==>Min
TS2.115 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_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_UIs_f32	0
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
	0
k_PhsReasEnableThresh_Cnt_u32	
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_Igc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	1
tgt_rtc_inst_ap_bigi hisrcasblag.bigi hisrcasblag_i en_expectedonTimeA_one tgt_Rte_Inst_ap_bigi hisrcasblag.bigi hisrcasblag_i en_expectedonTimeB_one	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiagDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsRead$	tgt_bigPriskeasblag_Peri_GatebriveResetActive_Cnt_lgc





Name	Input	Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCo	rrectedMtrPosC tgt_Dig	PhsReasDiag_Per1_LRPR	CorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModel (See Section 1) and the property of the propert$	dulationIndexC tgt_Dig	PhsReasDiag_Per1_LRPR	ModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPh$	aseadvanceCar tgt_Dig	PhsReasDiag_Per1_LRPRF	PhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Measure$	dOnTimeA_Cnt tgt_Dig	gPhsReasDiag_Per1_Measu	redOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Measure$	dOnTimeB_Cnt tgt_Dig	gPhsReasDiag_Per1_Measu	redOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Measure$	dOnTimeC_Cnt tgt_Dig	gPhsReasDiag_Per1_Measu	redOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVel	MRFUnfiltered tgt_Dig	gPhsReasDiag_Per1_Motor\	/elMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMatrix = 0.0000000000000000000000000000000000$	fechPolarity_Cr tgt_Dig	PhsReasDiag_Per1_MtrEle	cMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActive and the properties of the properties $	teTest_Cnt_lgc tgt_Dig	pPhsReasDiag_Per1_PDActi	vateTest_Cnt_lgc	
Name	Actua	ıl Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_C	nt_T_enum) 82		82	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Nx$	_Cnt_T_u08) 106		106	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_	Cnt_T_enum) 1		1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-21474	18112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-21474	18112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-21474	18112	-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_PrevLRPRAdjModIdComp_Cnt_M_f32	0		0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0		0	✓

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

Test Step 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_PrevLRPRAdjModIdComp_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 Input Value SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 6144 k_ErrorFiltKn_Cnt_u16 65535 200000 k ErrorThresh Cnt u32 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 200000 tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value $tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value$ tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.999984741 $tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value$ tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 1536 $tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value$ 200000 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 200000 $tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value$ 200000 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1350 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value $tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value$ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ltgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32$ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_(\\ tgt_DigPhsReasDiag_Per1_GateDriveResetActive_(\\ t$ 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 LRPRPhaseadvanceCapt 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 $\label{total_relation} $$ \underline{\mathsf{tgt_Nte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt}} $$ \underline{\mathsf{tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32}} $$$ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr\\ tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08\\$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc\\ \ tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc\\ \ tgt_DigPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiagPhsRe$

9.5	19.77 - 19		
Name	Actual Value	Expected 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_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	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	~



Τ				
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	•

est Step 2.3 (Repeat Count = 1)	
ame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	81920
VDiag_FilterSV_Cnt_M_s18p13[1]	98304
VDiag_FilterSV_Cnt_M_s18p13[2]	106496
VDiag_HighResPhsReasDisable_M_u8	5
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.1
VDiag LRPRHighSector Cnt M Igc[0]	0
	0
32 0 2 2011	0
0_ 0 0	1
0	1
5	1
0	100
0_ 1	825
<u> </u>	83
	23201.52463
6_ 6	
	6554
6	13107
9	19661
	0.11
3 4 4 4 2 2 3 4 4 7	0
0 = = = 0 :	0
0 = = = = 0 : :	0
= = = = = :	0
= = = = = :	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	111
_ErrorFiltKn_Cnt_u16	30585
_ErrorThresh_Cnt_u32	66520
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	6.727024794
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	2
_LowResPhsReas_Cnt_str.Threshold	216
_LowResPhsReas_Cnt_str.PStep	845
LowResPhsReas_Cnt_str.NStep	760
PhsReasEnableThresh Cnt u32	54635
PhsReasErrorTerm_Cnt_s16	7720
	128811
	29254
	76895
	0
	0.649596095
	1
	-1355
	0
2 3 1 111 132 1 2 1111 111	169488
	133502
	-506.9036557 4
_ 0 0	1
_ 0 0	0
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	0_ 0
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
t Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Per1 LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Cross_DiagPhsReasDiag_Per1_MtrElecMechPolarity_Cross_DiagPhsReasDiagPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPh$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargers and the property of the prope$	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_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]	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_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_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReaDIAG_Per1_ExpectedOnTimeA_Cnt_Re$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_Expec$	tgt_DigPhsReasDiag_Per1_	_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_	_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_	LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	tgt_DigPhsReasDiag_Per1_	_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_	_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntgrader(A) = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_	_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnT$	tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_	_MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets and the property of the prop$	tgt_DigPhsReasDiag_Per1_	_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

32 12 12 3 1 11 13 3 1 11 132 1 2 11 11 11 12 12	10 0 0 0		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	200	200	•

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓



Test Step 2.5 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400		
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720		
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816		
SVDiag HighResPhsReasDisable M u8	31		
SVDiag_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 45875		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[1] SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PriaseOriset_Rev_ivi_uop16[2] 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		
_ErrorFiltKn_Cnt_u16	22743		
_ErrorThresh_Cnt_u32	185423		
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	840.3517412		
C_LowResPhsReasMaxTol_Uls_f32	2		
C_LowResPhsReasMinTol_Uls_f32	0.715057611		
C_LowResPhsReas_Cnt_str.Threshold	73		
<_LowResPhsReas_Cnt_str.PStep	582		
<pre>c_LowResPhsReas_Cnt_str.NStep</pre>	329		
c_PhsReasEnableThresh_Cnt_u32	199697 9687		
<pre><_PhsReasErrorTerm_Cnt_s16 gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value</pre>	46209		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	101126		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	78089		
gt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-566		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	81038		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	89741		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	25388		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1115.609409		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	1 2 2 2		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	·	
gt_Rte_Inst_Ap_DigPnsReasDiag.DigPnsReasDiag_Per1_MeasuredOnTimeA_Cn gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	· · · · · · · · · · · · · · · · · · ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr			
gt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	1		
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	11030
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)		0	
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	

2334720

4898816

32

2334720

4898816

32 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	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	0.30000012	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				V
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_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	400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	101
SVDiag_LowResPhsReasDisable_M_u8	43
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43605.9814
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.14
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444
k_ErrorFiltKn_Cnt_u16	3187
k_ErrorThresh_Cnt_u32	88126
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.823276341
k_LowResPhsReas_Cnt_str.Threshold	677
k_LowResPhsReas_Cnt_str.PStep	248
k_LowResPhsReas_Cnt_str.NStep	802
k_PhsReasEnableThresh_Cnt_u32	75942
k_PhsReasErrorTerm_Cnt_s16	-9420
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

DigPhsReasDiag_Per1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f3	2.value 0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	.value 0.285947561		
$tgt_DigPhsReasDiag_Per1_LRPRPhase advance Captured_Cnt_s16.$	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.v	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 Expected	OnTimeA Cnt tgt DigPhsReasDia	g Per1 ExpectedOnTimeA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 Expected	OnTimeB Cnt tgt DigPhsReasDia	g Per1 ExpectedOnTimeB Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 Expected	OnTimeC Cnt tgt DigPhsReasDia	Per1 ExpectedOnTimeC Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDrive			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCor			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRMo			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPha			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Measured			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_Measured			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 Measured			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVell			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecM			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActiva	1		
Name	Actual Value	Expected Value	Result
		82	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_C		0	· ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_		i i	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_		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]	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	0.40000006	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	Ō	✓
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)		<u> </u>
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_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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		1 1 2 1 6 1 7 6
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 Igc[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	
	73073	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	9441	
	152057	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	104659	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	131073	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value		
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_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cr	1 - 1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	1 - 1 - 1 - 1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_C	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity (1 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.8 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	86
SVDiag_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 Igc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	148
SVDiag LowResPhsReasDisable M u8	7
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52723.80765
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp Cnt M f32	0.16
· · · · · · · · · · · · · · · · · · ·	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666
k_ErrorFiltKn_Cnt_u16	38736
k_ErrorThresh_Cnt_u32	24719
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	96.50065869
k_LowResPhsReasMaxTol_Uls_f32	1.28630358
k_LowResPhsReasMinTol_Uls_f32	0.016717136
k_LowResPhsReas_Cnt_str.Threshold	832
k_LowResPhsReas_Cnt_str.PStep	475
k_LowResPhsReas_Cnt_str.NStep	922
k_PhsReasEnableThresh_Cnt_u32	91581
k_PhsReasErrorTerm_Cnt_s16	6983
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	132815
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	199985
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	82632
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.785672545
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1095
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	194888
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	151708
tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	185464
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-93.66532731
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	1
tgt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag	1 · - · · · · · · · · · · · · · · · · ·
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	
	1
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_instAp_Diag_Per1_GateDriveResetActive_instAp_Diag_Per1_GateDriveResetActive_instAp_Diag_Per1_GateDriveResetActive_instAp_Diag_Per1_GateDriveResetActive_instAp_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetActive_Diag_Per1_GateDriveResetAct$	ty_tgt_bigFnakeasblag_Petit_GateblivekesetActive_Cfit_lgc





Name	Input Value				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtr	PosC tgt_DigPhsReasDiag_Per1_LRP	RCorrectedMtrPosCaptured_Rev_f32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex and the property of t$	dexC tgt_DigPhsReasDiag_Per1_LRP	RModulationIndexCaptured_Uls_f32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	ceCar tgt_DigPhsReasDiag_Per1_LRP	RPhaseadvanceCaptured_Cnt_s16			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA	_Cnt tgt_DigPhsReasDiag_Per1_Mea	gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeBaseDiag_Per1_MeasureDOnTimeBaseDiag_Per1_MeasureDOnTimeBaseDiag_Per1_MeasureDOnTimeBaseDiag_Per1_MeasureDOnTimeBaseDonTime$	Cnt tgt_DigPhsReasDiag_Per1_Mea	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeConTi$	C_Cnt tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeC_Cnt_u32			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfilte	ered tgt_DigPhsReasDiag_Per1_Moto	orVeIMRFUnfiltered_MtrRadpS_f32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarited to the property of t$	ty_Cr tgt_DigPhsReasDiag_Per1_MtrE	lecMechPolarity_Cnt_s08			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnrows and the property of the property of$	nt_lgc tgt_DigPhsReasDiag_Per1_PDA	ctivateTest_Cnt_lgc			
Name	Actual Value	Expected Value	Result		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enur	m) 82	82	✓		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u0	08)	0	✓		
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_endot)$	um) 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	✓		

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	✓

600

600

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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.17
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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DigPhsReasDiag_Per1			MACH	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	777			
k ErrorFiltKn Cnt u16	18060			
k ErrorThresh Cnt u32	46713			
k LRPRMtrVelDiagEnable MtrRadpS T f32	833.3660122			
k LowResPhsReasMaxTol Uls f32	0.83201158			
k_LowResPhsReasMinTol_Uls_f32	0.531517982			
k_LowResPhsReas_Cnt_str.Threshold	576			
k_LowResPhsReas_Cnt_str.PStep	778			
k_LowResPhsReas_Cnt_str.NStep	550			
k_PhsReasEnableThresh_Cnt_u32	143857			
k_PhsReasErrorTerm_Cnt_s16	-4268			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48095			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	46660			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	88050			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.062308908			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.830416977			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1364			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	62830			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	119699			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	491.0340368			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	A O-t ::00		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Ctgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_D	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo				
Name	Actual Value	Expected 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_LRPRAdjModldAComp_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	0.69999988	0.7		✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1		~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1		V
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1		~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0		V
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0		•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0		V
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	700	700		~



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

Test Step 2.10 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	90
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.8
VDiag_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
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
sVDiag_LRPRPhsAdvComp_Cnt_M_u16	800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	461
VDiag_LowResPhsReasDisable_M_u8	84
VDiag_MaxNrCommOffVltg_Cnt_M_f32	46417.78231
VDiag_PhaseOffset_Rev_M_u0p16[0]	39322
VDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.18
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_revery renginector_on_w_gct0]	0
SVDiag_FrevErkFittinginSector_ont_wi_gc[1]	0
	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	i e
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	888
_ErrorFiltKn_Cnt_u16	30756
_ErrorThresh_Cnt_u32	160747
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	267.4183281
_LowResPhsReasMaxTol_Uls_f32	0.321169317
_LowResPhsReasMinTol_Uls_f32	2
_LowResPhsReas_Cnt_str.Threshold	691
_LowResPhsReas_Cnt_str.PStep	936
_LowResPhsReas_Cnt_str.NStep	656
_PhsReasEnableThresh_Cnt_u32	51129
_PhsReasErrorTerm_Cnt_s16	-5893
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	67086
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	146174
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	29008
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1221
gt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	195027
gt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	18146
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
gt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-546.1153861
yt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	0 0 0 0 0 0
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	
gt_Rte_inst_Ap_bigPrisReasDiag.bigPrisReasDiag_Peri_ExpectedOfffineC_Orig at_Rte_Inst_Ap_bigPrisReasDiag.bigPrisReasDiag_Peri_ExpectedOffineC_Orig	0_ 0
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	V
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_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	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_LRPRAdjModldAComp_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_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

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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_Igc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets and the property of the prop$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

tgt_rtto_mot_rtp_big. Hortodobildg.big. Hortodobildg_r or i_r britation oct_ont_igt	tgs.g. Her tedes ag et i s. tearate reet_ett_ge		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.89999976	0.9	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	900	900	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.12 (Repeat Count = 1) Name	Input Value			
	•			
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag			
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000 -16384000			
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000			
SVDiag_FilterSV_Cnt_M_s18p13[2]				
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_Igc[0]	0			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1			
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1110			
k_ErrorFiltKn_Cnt_u16	55082			
k_ErrorThresh_Cnt_u32	45204			
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	19.95787042			
k_LowResPhsReasMaxTol_Uls_f32	0.650341809			
k LowResPhsReasMinTol Uls f32	0.363156259			
k_LowResPhsReas_Cnt_str.Threshold	104			
k_LowResPhsReas_Cnt_str.PStep	371			
k_LowResPhsReas_Cnt_str.NStep	645			
k PhsReasEnableThresh Cnt u32		156256		
k_PhsReasErrorTerm_Cnt_s16		3701		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36333			
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value				
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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	· - · - · - · - · - · - · - · - · - ·			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$				
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per$	Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOn	TimeC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActiveRese$	=			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrFerror and the property of the property o$	PosC tgt_DigPhsReasDiag_Per1_LRPRCorrect	ctedMtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIncomplete and the property of the property$	exC tgt_DigPhsReasDiag_Per1_LRPRModul	ationIndexCaptured_Uls_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhase advanced by the property of the$	eCaı tgt_DigPhsReasDiag_Per1_LRPRPhase	advanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Diag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOr	nTimeA_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOr	nTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOr	nTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilte				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity				
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cn				
Name	Actual Value	Expected Value	Resul	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enun		82	Resul	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cftt_1_enum Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u0)		64		
		1		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_end SVDiag_FilterSV_Cnt_M_s18p13f01	um) 1 -8192000	-8192000		

-8192000

-16384000

-24576000

6

-8192000

-16384000

-24576000

6 ± 1

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SVDiag_FilterSV_Cnt_M_s18p13[0]

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
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_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	~

Τ				V
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	~

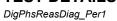
Test Step 2.13 (Repeat Count = 1)	✓
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	78
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	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 Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.21
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1221
k_ErrorFiltKn_Cnt_u16	46349
k_ErrorThresh_Cnt_u32	9915
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	827.6518477
k_LowResPhsReasMaxTol_Uls_f32	0.089262128
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	420
k_LowResPhsReas_Cnt_str.PStep	397
k_LowResPhsReas_Cnt_str.NStep	203
k_PhsReasEnableThresh_Cnt_u32	92851
k_PhsReasErrorTerm_Cnt_s16	-4377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	71843
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	117742
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value			
tqt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.969902456			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	862			
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	66396			
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	367			
tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	67091			
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-79.46468693			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Contorial Contoria$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	·- ·			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntor(Approximately Approximately Approximate$				
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsR$				
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States and States are also states are also states and States are also states are $	1			
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_LRPRAdjModldAComp_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[

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Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag LRPRPhsAdvComp Cnt M u16	1200	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	130	
SVDiag LowResPhsReasDisable M u8	96	
SVDiag MaxNrCommOffVltg Cnt M f32	64428.55529	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.22	
SVDiag PrevLRPRHighSector Cnt M Igc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1332	
k_ErrorFiltKn_Cnt_u16	57969	
k_ErrorThresh_Cnt_u32	47166	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	239.8384095	
k LowResPhsReasMaxTol Uls f32	2	
k LowResPhsReasMinTol Uls f32	2	
k_LowResPhsReas_Cnt_str.Threshold	420	
k_LowResPhsReas_Cnt_str.PStep	405	
k_LowResPhsReas_Cnt_str.NStep	483	
k PhsReasEnableThresh Cnt u32	25094	
k_PhsReasErrorTerm_Cnt_s16	9305	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	167144	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	117940	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	47796	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.933656693	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1424	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	20706	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	10562	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	42204	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-837.3240489	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	1 1 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igc	, · · · · · · · · · · · · · · · · · · ·	
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.129999995	0.13	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	13
SVDiag_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 Igc[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
	0
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0] SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1443
k_ErrorFiltKn_Cnt_u16	13602
k_ErrorThresh_Cnt_u32	78762
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	939.4107432
k_LowResPhsReasMaxTol_Uls_f32	1.641180038
k_LowResPhsReasMinTol_Uls_f32	1.834032655
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	564
k_LowResPhsReas_Cnt_str.NStep	719
k_PhsReasEnableThresh_Cnt_u32	39778
k_PhsReasErrorTerm_Cnt_s16	-6331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	60528
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	192046
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.63996619
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1118
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	141699
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	171813
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	156451
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-673.0851354
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1
tgt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cn	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	r igt_dighiskeasdiag_Peri_GatedrivekesetActive_Cht_lgc





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost(Apart Apart Apar$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity (Community of the Community of the Communit$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Control of the Con$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpdates and the property of the p$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotes and the property of the property $	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison of the property of the pro$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igenerate and the property of the prop$	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_LRPRAdjModldAComp_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_LRPRAdjModldAComp_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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DigPhsReasDiag_Per1			MACIL	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1554			
k ErrorFiltKn Cnt u16	7290			
k ErrorThresh Cnt u32	141432			
k LRPRMtrVelDiagEnable MtrRadpS T f32	718.4851848			
k LowResPhsReasMaxTol Uls f32	2			
k_LowResPhsReasMinTol_Uls_f32	0.138592422			
k_LowResPhsReas_Cnt_str.Threshold	91			
k_LowResPhsReas_Cnt_str.PStep	222			
k_LowResPhsReas_Cnt_str.NStep	973			
k_PhsReasEnableThresh_Cnt_u32	48985			
k_PhsReasErrorTerm_Cnt_s16	3097			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193562			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	520			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	164452			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	150060			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	32449			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-570.0968587			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc				
				Daguile
Name Pto Coll An DiaDhoDoopDiag Nata-DiagMay Coth/ICCCoth/(AITC Coth T. on um)	Actual Value	Expected Value		Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	82 64	82 64		~
	1	1		Ž
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0]	32359298	32359298		
SVDiag_FilterSV_Cnt_M_s18p13[1]	40447300	40447300		J
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 Igc[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	~
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	~

Inst_Ap_DigPhsReasDiag	0 53.089 14 68 22
	01312 020624 303936 3 0 0 53.089 14 68
1820 1820	202624 303936 3 0 53.089 14 68
	0 53.089 14 68 22
Jiag HighResPhsReasDisable_M_u8 26 Jiag LRPRAdjModldAComp_Cnt_M_f32 0.16 Jiag LRPRHighSector_Cnt_M_lgc[0] 0 Jiag LRPRHighSector_Cnt_M_lgc[1] 0 Jiag LRPRLowSector_Cnt_M_lgc[0] 1 Jiag LRPRLowSector_Cnt_M_lgc[1] 1 Jiag LRPRLowSector_Cnt_M_lgc[2] 1 Jiag LowPhReasErrorAcc_Cnt_M_lgc 32 Jiag LowResPhsReasDisable_M_u8 49 Jiag LowResPhsReasDisable_M_u9016[2] 3226 Jiag LowResPhsReasDissCor_Cnt_M_lgc[0] 3226 Jiag PrevLRPRAdjModldComp_Cnt_M_gc[1] 0 Jiag PrevLRPRHighSector_Cnt_M_lgc[0] 0 <	53.089 14 68 22
Diag_LRPRAdj ModIdAComp_Cnt_M_gc[0] 0 0 0 0 0 0 0 0 0	0 53.089 14 68 22
Diag_LRPRHighSector_Cnt_M_lgc[0] 0 0 0 0 0 0 0 0 0	0 53.089 14 68 22
Diag_LRPRHighSector_Cnt_M_lgc[1] 0 0 0 0 0 0 0 0 0	53.089 14 68 22
Diag_LRPRHighSector_Cnt_M_lgc[2] 0 1 1 1 1 1 1 1 1 1	53.089 14 68 22
Diag_LRPRLowSector_Cnt_M_lgc[0] 1 1 1 1 1 1 1 1 1	53.089 14 68 22
Diag_LRPRLowSector_Cnt_M_lgc[1] 1 1 1 1 1 1 1 1 1	53.089 14 68 22
Diag_LRPRLowSector_Cnt_M_lgc[2] 1 1500	53.089 14 68 22
Diag_LRPRPhsAdvComp_Cnt_M_u16	53.089 14 68 22
Diag_LowPhReasErrorAcc_Cnt_M_u16 22 22 23 24 24 25 25 25 25 25 25	53.089 14 68 22
19	14 68 22
biag_LowResPhsReasDisable_M_u8 49 biag_MaxNrCommOffVltg_Cnt_M_f32 61253 biag_PhaseOffset_Rev_M_u0p16[0] 26214 biag_PhaseOffset_Rev_M_u0p16[1] 32764 biag_PhaseOffset_Rev_M_u0p16[2] 39322 biag_PrevLRPRAdjModldComp_Cnt_M_f32 0.25 biag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 biag_PrevLRPRHighSector_Cnt_M_lgc[1] 0 biag_PrevLRPRHowSector_Cnt_M_lgc[2] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[1] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 biag_PrevLRPRLowSect	14 68 22
Aigg_MaxNrCommOffVltg_Cnt_M_f32	14 68 22
Diag_PhaseOffset_Rev_M_u0p16[0] 2621-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	14 68 22
3276i 3276	68 22
39322 39322 39322 39322 39322 39323 3932	22
biag_PrevLRPRAdjModldComp_Cnt_M_f32 0.25 biag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 biag_PrevLRPRHighSector_Cnt_M_lgc[1] 0 biag_PrevLRPRHighSector_Cnt_M_lgc[2] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[1] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 biag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 biag_PrevLRPRDhsAdvComp_Cnt_M_u16 1665 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 1665 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 1665 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076 biag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076 biag_PresReasMaxTol_u16 3076 biag_PresReasMaxTol_u18_f32 0.620 biag_PresReas_Cnt_str.Threshold 189 biag_PresReas_Cnt_str.Threshold 189 biag_PresReas_Cnt_str.Dstep 766 biag_PresReas_Cnt_str.Dstep 766 biag_PresReas_Cnt_str.Dstep	
Diag	
Diag	
Diag PrevLRPRHighSector_Cnt_M_lgc[2] 0 Diag PrevLRPRLowSector_Cnt_M_lgc[0] 0 Diag_PrevLRPRLowSector_Cnt_M_lgc[1] 0 Diag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 1665 Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076; Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076; Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076; Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076; Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 3076; Diag_PrevLRPRHodulas 1185- Diag_PrevLRPRLowSector_Cnt_M_u16 3076; Diag_Prest_Breas_MaxTol_U18_f32 690.3 Diag_Prest_BreasMinTol_U18_f32 0.620 Diag_Prest_Breas_Cnt_str.Threshold 189 Diag_Prest_Breas_Cnt_str.PStep 782 Diag_Prest_Breas_Cnt_str.NStep 766 Diag_Prest_Breas_Cnt_str.NStep 766 Diag_Prest_Breas_Cnt_str.NStep 766 Diag_Prest_Breas_Diag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768 Diag_Prest_Breas_Diag_Per1_ExpectedOnTimeA_Cnt_u32.value 1774 Diag_Prest_Breas_Diag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	
Diag PrevLRPRLowSector_Cnt_M_lgc[0] 0 Diag PrevLRPRLowSector_Cnt_M_lgc[1] 0 Diag PrevLRPRLowSector_Cnt_M_lgc[2] 0 Diag PrevLRPRPhsAdvComp_Cnt_M_u16 1665 prorTiltKn_Cnt_u16 3076; prorThresh_Cnt_u32 1185- RPRMtrVelDiagEnable_MtrRadpS_T_f32 690.3 pwResPhsReasMaxTol_Uls_f32 0.620 pwResPhsReasMinTol_Uls_f32 0.114 pwResPhsReas_Cnt_str.Threshold 189 pwResPhsReas_Cnt_str.PStep 782 pwResPhsReas_Cnt_str.NStep 766 psReasEnableThresh_Cnt_u32 1990t psReasEnableThresh_Cnt_u32 1990t pigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768t DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1704t DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1737-1704t DigPhsReasDiag_Per1_BracetadonTimeC_Cnt_u32.value 0.463 DigPhsReasDiag_Per1_LRPRKOdulationIndexCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRNodulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 1265t DigPhsReasDiag_P	
Diag_PrevLRPRLowSector_Cnt_M_lgc[1] 0 Diag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 1665 BrorTiltKn_Cnt_u16 3076; BrorThresh_Cnt_u32 1185- RPRMtrVelDiagEnable_MtrRadpS_T_f32 690.3 bwResPhsReasMaxTol_Uls_f32 0.620 bwResPhsReasMinTol_Uls_f32 0.114 bwResPhsReas_Cnt_str.Threshold 189 bwResPhsReas_Cnt_str.PStep 782 bwResPhsReas_Cnt_str.NStep 766 brsReasEnableThresh_Cnt_u32 1990t brsReasEnableThresh_Cnt_u32 1990t brsReasErrorTerm_Cnt_s16 9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768t DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1737-176t DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 1737-176t DigPhsReasDiag_Per1_LRPRKOdulationIndexCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 1265t DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag	
Diag PrevLRPRLowSector_Cnt_M_lgc[2] 0 Diag PrevLRPRPhsAdvComp_Cnt_M_u16 1665 BrorTiltKn_Cnt_u16 3076 BrorThresh_Cnt_u32 11856 RPRMtrVelDiagEnable_MtrRadpS_T_f32 690.3 DwResPhsReasMaxTol_Uls_f32 0.620 DwResPhsReasMinTol_Uls_f32 0.114 DwResPhsReas_Cnt_str.Threshold 189 DwResPhsReas_Cnt_str.PStep 782 DwResPhsReas_Cnt_str.NStep 766 DwResPhsReas_Cnt_str.NStep 766 DwsResPhsReas_Cnt_tstr.NStep 766 DisPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17370 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0.463 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574	
Diag_PrevLRPRPhsAdvComp_Cnt_M_u16 1665 ProrFiltKn_Cnt_u16 3076 ProrThresh_Cnt_u32 11856 RPRMtrVelDiagEnable_MtrRadpS_T_f32 690.3 DwResPhsReasMaxTol_Uls_f32 0.620 DwResPhsReasMinTol_Uls_f32 0.114 DwResPhsReas_Cnt_str.Threshold 189 DwResPhsReas_Cnt_str.PStep 782 DwResPhsReas_Cnt_str.NStep 766 hsReasEnableThresh_Cnt_u32 19900 hsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 1737-170 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.438 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 <td></td>	
### TOTF TRY TRY TRY	
### TrorThresh_Cnt_u32 ### 11856 ### RPRMtrVelDiagEnable_MtrRadpS_T_f32 ### 690.3 ### page 10	
RPRMtrVelDiagEnable_MtrRadpS_T_f32 690.3 cwResPhsReasMaxTol_Uls_f32 0.620 cwResPhsReasMinTol_Uls_f32 0.114 cwResPhsReas_Cnt_str.Threshold 189 cwResPhsReas_Cnt_str.Pstep 782 cwResPhsReas_Cnt_str.Nstep 766 nsReasEnableThresh_Cnt_u32 19900 nsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 177040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 1265 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080	
bywResPhsReasMaxTol_Uls_f32 0.620 bywResPhsReasMinTol_Uls_f32 0.114 bywResPhsReas_Cnt_str.Threshold 189 bywResPhsReas_Cnt_str.Pstep 782 bywResPhsReas_Cnt_str.Pstep 766 bywResPhsReas_Cnt_str.Nstep 766 bysReasEnableThresh_Cnt_u32 19900 bysReasErrorTerm_Cnt_s16 -9005 bigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 bigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17740 bigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 bigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 bigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 bigPhsReasDiag_Per1_LRPRRbaseadvanceCaptured_Cnt_s16.value -729 bigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 11680 bigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 bigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 bigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13674 bigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 11680 bigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -1 <td>547</td>	547
bywResPhsReasMinTol_Uls_f32 0.114 bywResPhsReas_Cnt_str.Threshold 189 bywResPhsReas_Cnt_str.Pstep 782 bywResPhsReas_Cnt_str.Nstep 766 bsReasEnableThresh_Cnt_u32 19906 bsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1774 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.478 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRRPhaseadvanceCaptured_Cnt_s16.value -729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12656 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13674 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	.3250314
pwResPhsReas_Cnt_str.Threshold 189 pwResPhsReas_Cnt_str.Pstep 762 pwResPhsReas_Cnt_str.Nstep 766 hsReasEnableThresh_Cnt_u32 19900 hsReasErrorTerm_cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 177040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 17370 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	20892406
owResPhsReas_Cnt_str.PStep 766 owResPhsReas_Cnt_str.NStep 766 hsReasEnableThresh_Cnt_u32 19900 hsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 177040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 17737 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Cnt_s16.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 11682 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11682 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	4622593
pwResPhsReas_Cnt_str.NStep 766 hsReasEnableThresh_Cnt_u32 1990t hsReasErrorTerm_cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768t DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1704t DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 1737t DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Cnt_s16.value 729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
nsReasEnableThresh_Cnt_u32 19900 hsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17680 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 17370 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
hsReasErrorTerm_Cnt_s16 -9005 DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 1768t DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1704t DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 1737* DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 11682 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17688 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17044 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 1737* DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 0 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11682 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11088 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11088 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	085
DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 17040 DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 17370 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Cnt_s16.value 729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	05
DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 17040 DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 17370 DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	881
DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 1737: DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value -729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11682 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	405
DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 0 DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value -729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.463 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value -729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value 0.478 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value -729 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	3397841
DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value -729 DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	78393734
DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 12650 DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 11680 DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 11080 DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 1168: DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 13574 DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value 1108. DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1	
	0.70070
DigPriskeasDiag_Peri_PDActivateTest_Cnt_lgc.value 0	
	D. D. D. D. A. E
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_D	
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_D	
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_D	· · · · · · · · · · · · · · · · · · ·
Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_D	DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC tgt_D	
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_D	
$\label{lem:continuity} Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advanceCa_{I} \ tgt_Da_{I} \ $	DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_D	DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_D	DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32 DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32 DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	~
SVDiag_HighResPhsReasDisable_M_u8	27	27 ± 1	~
SVDiag_LRPRAdjModldAComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_PhsReasEnableThresh_Cnt_u32	3120	
k_PhsReasErrorTerm_Cnt_s16	7509	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1922	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	60879	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1052	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	186921	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	49536	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	69505	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1083.091942	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhs$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output Personal Control of the Contro$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntor(Cont$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States are also also also also also also also also$	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 F	Result

tg to_mo_ tp_big. not todobidg.big. not todobidg or i b. totatato tod_ont_ig.	Tige_Dig: nortodoDidg_r ort Driodratoroot_		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.170000002	0.17	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1600	1600	✓

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



Test Step 2.19 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400		
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600		
SVDiag_HighResPhsReasDisable_M_u8	21		
SVDiag_Inginics hisroasbisable_w_do SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.18		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0.10		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_ERPRLowSector_Cnt_M_lgc[0]	1		
	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
	1700		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	290		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	17		
SVDiag_LowResPhsReasDisable_M_u8			
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	34612.70149		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.27		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1887		
c_ErrorFiltKn_Cnt_u16	10351		
c_ErrorThresh_Cnt_u32	158105		
CLRPRMtrVelDiagEnable_MtrRadpS_T_f32	667.8116815		
C_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
<_LowResPhsReas_Cnt_str.Threshold	833		
<_LowResPhsReas_Cnt_str.PStep	638		
<_LowResPhsReas_Cnt_str.NStep	325		
<pre><_PhsReasEnableThresh_Cnt_u32</pre>	65511		
x_PhsReasErrorTerm_Cnt_s16	-8909		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	35037		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	133043		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.491767347		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-891		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	53456		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	139901		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	24793		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-385.2567965		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn	t tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Ci	1	·	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ci	· · · · · · · · · · · · · · · · · · ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_C			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_0			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc	1		
yne_msp_bigr nsneasblag.bigr nsneasblag_r en_r bActivate rest_on_je Name	Actual Value	Expected Value	Resi
		•	Rest
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	
SVDiag FilterSV Cnt M s18p13[0]	819200	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1370625	1370625	

1379625

2074613

22

1379625

2074613

22 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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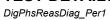


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.491767347	0.491767347	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
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	✓

Т				V
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 LRPRAdjModldAComp Cnt M f32	0.19
SVDiag LRPRHighSector Cnt M Igc[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 Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.28
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1998
k_ErrorFiltKn_Cnt_u16	32739
k_ErrorThresh_Cnt_u32	125914
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	462.1439423
k_LowResPhsReasMaxTol_Uls_f32	1.866672814
k_LowResPhsReasMinTol_Uls_f32	0.772163808
k_LowResPhsReas_Cnt_str.Threshold	710
k_LowResPhsReas_Cnt_str.PStep	458
k_LowResPhsReas_Cnt_str.NStep	209
k_PhsReasEnableThresh_Cnt_u32	142342
k_PhsReasErrorTerm_Cnt_s16	-277
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48474
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	4821
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	124280
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Control of the property o$	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Control of the property o$	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_OntimeC_ONTimeC_O$	cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveRese$	e_(tgt_DigPhsReasDiag_Per1_GateDriveRes	etActive_Cnt_lgc		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPolicy and the property of the property $	osC tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInderset (a.e., a.e., b.e., b$	xC tgt_DigPhsReasDiag_Per1_LRPRModulati	onIndexCaptured_Uls_f32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhaseac	lvanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A continuous continuous$	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_OutlinesDiag_Per1_MeasureDiag_Per1_Meas$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Option{Additional Control of the Control o$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilter(Apart of the Compact of$	ed_ tgt_DigPhsReasDiag_Per1_MotorVelMRF	Jnfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_R$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechF	olarity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivAtest_Cnt_PDActivAt$	lgc tgt_DigPhsReasDiag_Per1_PDActivateTes	st_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 enur	n) 0	0		
	11) 0	0		
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	· ·	
	/ -	-		
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	3686400	3686400	•	
SVDiag_FilterSV_Cnt_M_s18p13[1]	3686400 2334720	3686400 2334720	~	
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	3686400 2334720 4898816	3686400 2334720 4898816	~	
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	3686400 2334720 4898816 23	3686400 2334720 4898816 23 ± 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	3686400 2334720 4898816 23	3686400 2334720 4898816 23 ± 1	· · · · · · · · · · · · · · · · · · ·	
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1	3686400 2334720 4898816 23 ± 1 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	3686400 2334720 4898816 23 1 0	3686400 2334720 4898816 23 ± 1 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1 0	3686400 2334720 4898816 23 ± 1 1 0		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	3686400 2334720 4898816 23 1 0 1	3686400 2334720 4898816 23 ± 1 1 0 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1 0 1 0 1	3686400 2334720 4898816 23 ± 1 1 0 1 0		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	3686400 2334720 4898816 23 1 0 1 0 1 0	3686400 2334720 4898816 23 ± 1 1 0 1 0 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	3686400 2334720 4898816 23 1 0 1 0 1 0 1 0 0 5303	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 0 5303		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRDowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	3686400 2334720 4898816 23 1 0 1 0 1 0 1 0 0 5303 506	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 0 5303 506		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	3686400 2334720 4898816 23 1 0 1 0 1 0 1 0 0 5303 506	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 0 5303 506 84 ± 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	3686400 2334720 4898816 23 1 0 1 0 1 0 1 0 0 5303 506 84 0.189999998	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 0 1 0 0 5303 506 84 ± 1 0.19		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1 0 1 0 1 0 0 1 0 0 5303 506 84 0.189999998	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 5303 506 84 ± 1 0.19		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRCowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1 0 1 0 1 0 5303 506 84 0.189999998 1	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 5303 506 84 ± 1 0.19 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRCowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	3686400 2334720 4898816 23 1 0 1 0 1 0 5303 506 84 0.189999998 1 1	3686400 2334720 4898816 23 ± 1 1 0 1 0 1 0 5303 506 84 ± 1 0.19 1 1 1		
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	3686400 2334720 4898816 23 1 0 1 0 1 0 5303 506 84 0.189999998 1 1 1	3686400 2334720 4898816 23 ± 1 1 0 1 0 0 1 0 0 5303 506 84 ± 1 0.19 1 1 1 1		

Τ			V	
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_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	

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		1 1 2 1 6 1 7 6
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1900	
SVDiag LowPhReasErrorAcc Cnt M u16	661	
SVDiag LowResPhsReasDisable M u8	65	
SVDiag MaxNrCommOffVltg Cnt M f32	37026.40555	
SVDiag PhaseOffset Rev M u0p16[0]	13763	
SVDiag PhaseOffset Rev M u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.29	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M Igc[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	
	441	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	952	
k_LowResPhsReas_Cnt_str.NStep	133	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	57345 -557	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157319 112180	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36950	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value		
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_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Ci	1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CDIMETER_CDIAGRAM (Control of the control $		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltere		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity	7 7 7	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_le		
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	✓

Τ				✓
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	~

Fest Step 2.22 (Repeat Count = 1)	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_TitlerSV_Crit_M_s18p13[2]	49152000
	62
VDiag_HighResPhsReasDisable_M_u8	0.21
VDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.21
VDiag_LRPRHighSector_Cnt_M_lgc[0]	0
VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag_LRPRHighSector_Cnt_M_lgc[2]	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag_LRPRLowSector_Cnt_M_lgc[1]	0
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	2000
VDiag_LowPhReasErrorAcc_Cnt_M_u16	854
VDiag_LowResPhsReasDisable_M_u8	22
VDiag_MaxNrCommOffVltg_Cnt_M_f32	64219.70916
VDiag_PhaseOffset_Rev_M_u0p16[0]	32768
VDiag_PhaseOffset_Rev_M_u0p16[1]	22938
VDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.3
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2220
_ErrorFiltKn_Cnt_u16	44587
_ErrorThresh_Cnt_u32	194845
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	216.4905954
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	2
_LowResPhsReas_Cnt_str.Threshold	339
_LowResPhsReas_Cnt_str.PStep	797
_LowResPhsReas_Cnt_str.NStep	321
PhsReasEnableThresh_Cnt_u32	63348
 _PhsReasErrorTerm_Cnt_s16	-7811
pt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	120813
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59527
t_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	105111
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
t_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.333152056
t DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	368
t DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	27030
t_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	125364
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_us2.value t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_us2.value	154479
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-409.4544061 4
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1 Out 144 DieDheDeseDies Dord SweeterlOnTimeA Out 100
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_u	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_t	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32

DigPhsReasDiag_Per1

SVDiag_LowResPhsReasDisable_M_u8

 ${\tt SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32}$

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorellar (Section 1) and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_DigPhsRead_Ap_Di$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt \>\>\> Rte \>\>\> Inst \>\>\> Ap \>\>\> DigPhsReasDiag.DigPhsReasDiag \>\>\> Per1 \>\>\>\> MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgenerations and the property of the$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	10474500	10474500	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	13093125	13093125	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	15711750	15711750	~
SVDiag_HighResPhsReasDisable_M_u8	63	63 ± 1	~
SVDiag_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	~

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	~

23

0

0

0

0

0

0

2000

0.209999993

23 ± 1

0.21

0

0

0

0

0

0

2000

Test Step 2.23 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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_MaxNrCommOffVItg_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_UIs_f32	0.924155831		
k_LowResPhsReasMinTol_Uls_f32	0.221476793		
k_LowResPhsReas_Cnt_str.Threshold	952		
k_LowResPhsReas_Cnt_str.PStep 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_Igc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	, , , , , , , , , , , , , , , , , , ,		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Ctgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	, , , , , , , , , , , , , , , , , , ,	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	·- ·		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_MotorVelMRFUnfilt$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcdaps and the property of the proper$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Resu
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] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	
SVDiag_ERPRLowSector Cnt M Igc[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	



Τ				✓
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	~

est Step 2.24 (Repeat Count = 1)	
lame	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
6	81920000
VDiag_FilterSV_Cnt_M_s18p13[1]	163840000
VDiag_FilterSV_Cnt_M_s18p13[2]	245760000
VDiag_HighResPhsReasDisable_M_u8	61
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.23
VDiag_LRPRHighSector_Cnt_M_lgc[0]	1
VDiag_LRPRHighSector_Cnt_M_lgc[1]	1
VDiag_LRPRHighSector_Cnt_M_lgc[2]	1
VDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag_LRPRLowSector_Cnt_M_lgc[1]	0
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	2200
VDiag_LowPhReasErrorAcc_Cnt_M_u16	124
VDiag_LowResPhsReasDisable_M_u8	4
VDiag_MaxNrCommOffVltg_Cnt_M_f32	42313.96697
	16384
	19661
	22938
	0.32
<u> </u>	1
	1
	1
0_ 0 0 _ 0	1
= = = = ::	1
0_ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	2442
0_	50707
	53793
	757.7378769
5 - 7	
	1.365184307
	0.16436398
	811
	725
	815
	29801
	-8025
	147751
	96720
pt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	75275
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.130317092
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.859731376
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
	175557
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	198210
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	139649
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-784.6720909
yt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
st_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	0_ 0
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	·
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tot DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32



Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	gt_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_LRPRAdjModldAComp_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 LRPRAdjModldAComp 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	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntologers (Contours) and the property of the property of$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_0	SateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPost	tgt_DigPhsReasDiag_Per1_L	.RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_L	.RPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_L	.RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTim$	t tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotes and the property of the property $	tgt_DigPhsReasDiag_Per1_M	MeasuredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_M	MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cappack and the property of the prope$	tgt_DigPhsReasDiag_Per1_M	MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr	tgt_DigPhsReasDiag_Per1_F	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	10- 0 - 10- 10- 10- 10- 10- 10- 10- 10-		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.23999995	0.24	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2300	2300	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓



Test Step 2.26 (Repeat Count = 1)	Input Value			
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_gc[2]	1			
0 = = = = 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	2664			
k_ErrorFiltKn_Cnt_u16	15074			
k_ErrorThresh_Cnt_u32	119021			
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	29.87567961			
x_LowResPhsReasMaxTol_Uls_f32	0.026579261			
k_LowResPhsReasMinTol_Uls_f32	0.82881546			
k_LowResPhsReas_Cnt_str.Threshold	599			
k_LowResPhsReas_Cnt_str.PStep	744			
k_LowResPhsReas_Cnt_str.NStep	137			
k_PhsReasEnableThresh_Cnt_u32	95429			
k_PhsReasErrorTerm_Cnt_s16	-8921			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	170672			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8412			
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	15945			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.200395226			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.472186744			
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0 82206			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value				
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	128801			
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44874			
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-50.6263321			
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	0_ 0_ 1			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	/trPosCaptured_Rev_f32		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn				
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	·- · · · ·			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered				
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cl				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgd				
			Lp	
Name	Actual Value	Expected Value	Resu	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64		
DE CHI AN DINDENDANDINA MARKATANA CANTESCA CONTRACTOR C	1.4	I a	1	

Name	Actual value	Expected 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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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓

Τ				V
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_LRPRAdjModldAComp_Cnt_M_f32	0.26
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	989
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64888.04768
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.35
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2775
k_ErrorFiltKn_Cnt_u16	39010
k_ErrorThresh_Cnt_u32	190113
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	301.491865
k_LowResPhsReasMaxTol_Uls_f32	0.209145963
k_LowResPhsReasMinTol_Uls_f32	0.075508654
k_LowResPhsReas_Cnt_str.Threshold	716
k_LowResPhsReas_Cnt_str.PStep	274
k_LowResPhsReas_Cnt_str.NStep	278
k_PhsReasEnableThresh_Cnt_u32	184889
k_PhsReasErrorTerm_Cnt_s16	9257
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157368
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	11111
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	100207
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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 C	nt tgt DigPhsReasDiag Per1 ExpectedOnTir	meA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB C	nt tgt DigPhsReasDiag Per1 ExpectedOnTir	meB Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC C	nt tgt DigPhsReasDiag Per1 ExpectedOnTir	meC Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPo	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndex			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceC	32 2		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C	1	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltere			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity		_ · · -	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_I		,	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum		0	
SVDiag FilterSV Cnt M s18p13[0]	-312070	-312070	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	j
SVDiag FilterSV Cnt M s18p13[2]	-2457600	-2457600	
SVDiag HighResPhsReasDisable M u8	39	39 ± 1	
SVDiag_IngrilvesFristveasDisable_W_ub SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	
· · · · · · · · · · · · · · · · · · ·	0	0	j
SVDiag_LRPRHighSector_Cnt_M_Igc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	j
	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
	5783	5783	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	711	711	
			J
SVDiag_LowResPhsReasDisable_M_u8 SVDiag_ProvI_PDPAdiModIdComp_Cat_M_f33	68 0.25999999	68 ± 1 0.26	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_las[0]	0.25999999	0.26	Ĭ
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]		'	· ·
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	✓

Т				V
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)		<u> </u>
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_LRPRAdjModldAComp_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.36	
SVDiag PrevLRPRHighSector Cnt M Igc[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 Igc[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	
	381	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	982	
k_LowResPhsReas_Cnt_str.NStep	286	
k_PhsReasEnableThresh_Cnt_u32	7806	
k_PhsReasErrorTerm_Cnt_s16	9843	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	58253	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171118	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	143748	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.802513063	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1052	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	113580	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	17452	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	150150	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1030.681055	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_Exp$		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ GateDriveResetActive\ GateDri$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_P$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advance Called States and States advance Called States advance Called States and States advance Called States advance Called States and States advance Called States advance$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorellares and the property of the prop$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadPhsReadPhsReadPhsReadPhsPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPh$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	r tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgeneration and the property of the pr$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.29 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_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_ERTREDWSector_Ont_W_gc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
	2700
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	239
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30122.71136
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.37
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	-1 -1414
tgt DigPhsReasDiag Perl MeasuredOnTimeA Cnt u32.value	129423
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_usz.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_Igc.value	1 At DisDisDiss Dark Franch (OrTime A Oct 199
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	7 - 7 - 7 - 7 - 7
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1 - 1 - 1 - 1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptage and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	nceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32		
$tgt \>\>\> Rte \>\>\> Inst \>\>\> Ap \>\>\> DigPhsReasDiag.DigPhsReasDiag \>\>\> Per1 \>\>\>\> MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	-3686400	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1592624	-1592624	~	
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	•	
SVDiag_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	1658	1658	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	29	29	~	
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_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	~	

Τ				✓
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_LRPRAdjModldAComp_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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Nome	Innut Value		
Name SV/Digg Provi PPPI ow/Sector Cnt M Ige/11	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] 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 tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	149876		
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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_R$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedO$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	·- ·	. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	·- ·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	1		
Name	Actual Value	Expected 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_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	1199	1199	•
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	85	85	
SVDiag_LowResPhsReasDisable_M_u8 SVDiag_ProvI_PRPAdiModIdComp. Cet_M_f32	0.28000002	97 ± 1 0.29	V
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgcf01	0.289999992	0.29	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_FrevLRPRLowSector_Cnt_M_gc[2]	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_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.30000012	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				V
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_LRPRAdjModldAComp_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

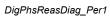
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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	1.772034645		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	9		
k_LowResPhsReas_Cnt_str.PStep	439		
k_LowResPhsReas_Cnt_str.NStep	143		
k_PhsReasEnableThresh_Cnt_u32	137382		
k_PhsReasErrorTerm_Cnt_s16	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	tgt_DigPhsReasDiag_Per1_I	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_l	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_l	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetA$	tgt_DigPhsReasDiag_Per1_0	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPose	tgt_DigPhsReasDiag_Per1_I	_RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexConstraints (Applied From Front 1998) and the following the property of the property o$	tgt_DigPhsReasDiag_Per1_I	_RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled Applies and Applies Applie$	tgt_DigPhsReasDiag_Per1_I	_RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDispersion Applied From the Company of the Company$	tgt_DigPhsReasDiag_Per1_I	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_I	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	t tgt_DigPhsReasDiag_Per1_t	MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the property of $	tgt_DigPhsReasDiag_Per1_f	MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	r tgt_DigPhsReasDiag_Per1_t	MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	tgt_DigPhsReasDiag_Per1_f	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	10- 0 - 10- 10- 10- 10- 10- 10- 10- 10-		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.310000002	0.31	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000	3000	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.33 (Repeat Count = 1) Name	Input Value		
Name Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasE	Diag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	nag	
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_NaxWoonmonVitg_on_M_io2 SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384		
SVDiag_haseOffset_Rev_M_u0p16[1]	19661		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.41		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRHignSector_Cnt_M_igc[2] SVDiag_PrevLRPRLowSector_Cnt_M_igc[0]	0		
	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]			
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3441		
_ErrorFiltKn_Cnt_u16	60893		
ErrorThresh_Cnt_u32	17408		
x_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	554.5994245		
x_LowResPhsReasMaxTol_Uls_f32	1.367921412		
<_LowResPhsReasMinTol_Uls_f32	2		
x_LowResPhsReas_Cnt_str.Threshold	188		
<pre>c_LowResPhsReas_Cnt_str.PStep</pre>	170		
x_LowResPhsReas_Cnt_str.NStep	481		
<pre>c_PhsReasEnableThresh_Cnt_u32</pre>	155588		
x_PhsReasErrorTerm_Cnt_s16	-2223		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	6407		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	77829		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154663		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value			
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1325		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	30004		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	154601		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	139027		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	622.2539914		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTime	eA Cnt tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime	B_Cnt_ tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_ tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetA	Active_C tgt_DigPhsReasDiag_Per1_Ga	teDriveResetActive_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedM	//dtrPosC tgt_DigPhsReasDiag_Per1_LR	PRCorrectedMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation		PRModulationIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadva	anceCar tgt_DigPhsReasDiag_Per1_LR	PRPhaseadvanceCaptured_Cnt_s16	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTime	eB Cnt tgt_DigPhsReasDiag_Per1 Me	easuredOnTimeB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPola			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_u			
Name	Actual Value	Expected Value	Res
		82	Kes
	iuiii) UZ	UL	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_er	u00) 0	0	
Rte_Call_Ap_DigPrisReasDiag_NxtrDiagMgr_SetN1CStatus(N1C_Cill_1_er Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_ Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_c		0	

-9101312

-18202624

-27303936

95

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

-9101312

-18202624

-27303936

95 ± 1

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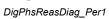


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.490151227	0.490151227	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	•
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	~

Τ				V
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 LRPRAdjModldAComp Cnt M f32	0.33
SVDiag LRPRHighSector Cnt M Igc[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 Igc[1]	1
SVDiag LRPRLowSector Cnt M Igc[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 PrevLRPRAdjModldComp Cnt M f32	0.42
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0
SVDiag PrevLRPRLowSector Cnt M Igc[0]	1
SVDiag PrevLRPRLowSector Cnt M Igc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3552
k ErrorFiltKn Cnt u16	33351
k ErrorThresh Cnt u32	56437
k LRPRMtrVelDiagEnable MtrRadpS T f32	170.2293826
k LowResPhsReasMaxTol Uls f32	2
k LowResPhsReasMinTol Uls f32	0.988061428
k_LowResPhsReas_Cnt_str.Threshold	733
k LowResPhsReas Cnt str.PStep	223
k_LowResPhsReas_Cnt_str.NStep	893
k_PhsReasEnableThresh_Cnt_u32	81034
k_PhsReasErrorTerm_Cnt_s16	1348
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	90502
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142718
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	61703
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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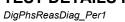


Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46394217		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-764		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	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	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Ci	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	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 LRPRAdjModldAComp Cnt M f32	0.490151227	0.490151227	✓
SVDiag LRPRHighSector Cnt M Igc[0]	0	0	
SVDiag LRPRHighSector Cnt M Igc[1]	1	1	~
SVDiag LRPRHighSector Cnt M Igc[2]	0	0	
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	~
SVDiag LRPRLowSector Cnt M Igc[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 PrevLRPRAdjModldComp Cnt M f32	0.330000013	0.33	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag PrevLRPRHighSector Cnt M Igc[1]	0	0	-
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_[gc[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	
5.5.6957Ett 14 nortaroomp_on_ui_ui_ui0	0=00	0200	

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_LRPRAdjModldAComp_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.43	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3663	
k_ErrorFiltKn_Cnt_u16	34516	
k_ErrorThresh_Cnt_u32	68197	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	623.8492129	
k_LowResPhsReasMaxTol_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Diag_Per1_Expec$	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	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1 - 1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCollege Applied From the college and the college Applied From the college $		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntails and the state of th$		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntout and the property of the property o$		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	1 1 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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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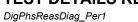
DigPhsReasDiag_Per1

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	3300	3300	✓

Т				
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	~

lame	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.35
VDiag_LRPRHighSector_Cnt_M_lgc[0] VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
VDiag_LRPRPhsAdvComp_Cnt_M_u16	3400
VDiag_LowPhReasErrorAcc_Cnt_M_u16	38
VDiag_LowResPhsReasDisable_M_u8	75
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41405.16186
VDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
VDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.44
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3774
_ErrorFiltKn_Cnt_u16	25546
_ErrorThresh_Cnt_u32	183881
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	798.3981082
_LowResPhsReasMaxTol_Uls_f32	1.364431143
_LowResPhsReasMinTol_Uls_f32	0.1129421
_LowResPhsReas_Cnt_str.Threshold	721
_LowResPhsReas_Cnt_str.PStep	764
_LowResPhsReas_Cnt_str.NStep	230
_PhsReasEnableThresh_Cnt_u32	34700
 _PhsReasErrorTerm_Cnt_s16	3370
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	122085
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	113651
at DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	290
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.137102962
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-1400
pt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	44275
yt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	135864
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11068
pt_DigPhsReasDiag_Per1_MeasuredOffTimeC_Off_u32.value	0
	1
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0 Cot tot DiaDhaDasaDiag Dard EvacatedOnTimeA Cat u22
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32

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SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity (Community of the Community of the Communit$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotes and the property of the property $	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	2255824	2255824	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	1440610	1440610	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	•
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	•
SVDiag_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.349999994	0.35	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
	I and the second	I .	

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	~

0

1

1

3400

0

1

1 3400

Test Step 2.37 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.45
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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DigPhsReasDiag_Per1			MACH	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	0			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	0			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	3885			
k ErrorFiltKn Cnt u16	32018			
k ErrorThresh Cnt u32	171438			
k LRPRMtrVelDiagEnable MtrRadpS T f32	360.7137637			
k LowResPhsReasMaxTol Uls f32	1.138339341			
k_LowResPhsReasMinTol_Uls_f32	0.729354322			
k_LowResPhsReas_Cnt_str.Threshold	552			
k_LowResPhsReas_Cnt_str.PStep	355			
k_LowResPhsReas_Cnt_str.NStep	854			
k_PhsReasEnableThresh_Cnt_u32	187315			
k_PhsReasErrorTerm_Cnt_s16	-5767			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	90649			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	146006			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	74930			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.266265631			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	965			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	114778			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	134324			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	3997			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	977.1106648			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		·		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc		,		
				Daguile
Name Pto Coll An DiaDhoDoopDiag Nata-DiagMay Coth/ICCCoth/(AITC Coth T. on um)	Actual Value	Expected Value		Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	82 0		~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0		Ž
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	8192000		
	16384000	16384000		Ž
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000		·
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1		•
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1		✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1		•
SVDiag LRPRHighSector Cnt M Igc[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_PrevLRPRAdjModldComp_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		~

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	t_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	6053000	6053000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	7566250	7566250	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	9079500	9079500	~
SVDiag_HighResPhsReasDisable_M_u8	48	48 ± 1	~
SVDiag_LRPRAdjModldAComp_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	0.089588821		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	73		
k_LowResPhsReas_Cnt_str.PStep	810		
k_LowResPhsReas_Cnt_str.NStep	608		
k_PhsReasEnableThresh_Cnt_u32	13802		
k_PhsReasErrorTerm_Cnt_s16	7048		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	160151		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	24327		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8814		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.041827917		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	140		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	134879		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33394		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	641		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-963.61632		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_	Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_	Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_	Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(tgt_DigPhsReasDiag_Per1_GateDriveResetActiv	re_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrP	osCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	$tgt_DigPhsReasDiag_Per1_LRPRModulationIndex and the state of the sta$	exCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvance	eCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplayers and the property of the$	$tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_$	Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_	Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_	Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	$tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfilte$	red_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPo$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity	_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt	_lgc	
Name	Actual Value Ex	pected Value R	Result

0	10 0 0 -		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.379999995	0.38	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	Ī	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3700	3700	•

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.40 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000		
SVDiag FilterSV Cnt M s18p13[2]	491520000		
SVDiag_HighResPhsReasDisable_M_u8	38		
	0.39		
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32			
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		
	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]			
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		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1		
gt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-379		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	192051		
gt_DigPhsReasDiag_Per1_measuredOnTimeA_Ont_usz.value	75095		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	125573		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-448.220529		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt		eC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_t	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn			
	·- · · · ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo			
			Des
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Dis Coll As Displandes Disable Notable Al Coll Coll Coll Coll Coll	1.0	0	

Name	Actual Value	Expected 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_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5765	5765	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	398	398	✓
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.389999986	0.39	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

Test Step 2.41 (Repeat Count = 1)	✓
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag FilterSV Cnt M s18p13[0]	-819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable_M_u8	74
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.41
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1.
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	518
SVDiag_LowResPhsReasDisable_M_u8	41
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	22225.36724
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_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_LowResPhsReasMaxTol_Uls_f32	1.162980437
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	845
k_LowResPhsReas_Cnt_str.PStep	357
k_LowResPhsReas_Cnt_str.NStep	712
k_PhsReasEnableThresh_Cnt_u32	32170
k_PhsReasErrorTerm_Cnt_s16	-2527
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	188035
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	46105
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	98589
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

DigPhsReasDiag_Per1

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntoring Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntoring ApD_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntoring ApD_DigPhsReadDiag_Per1_MeasureDONTimeA_DigPhsReadDiag_Per1_MeasureDONTimeA_DigPhsReadDiag_Per1_MeasureDONTimeA_DigPhsReadDiag$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	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_LRPRAdjModldAComp_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 Igc[0]	1	1	✓
SVDiag LRPRLowSector Cnt M Igc[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 PrevLRPRAdjModldComp Cnt M f32		0.41	✓
,	0.409999996		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0.409999996	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0] SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]			
	1	1	-
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1 1 1	1 1 1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1 1 1 0	1 1 1 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 2.42 (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_LRPRAdjModldAComp_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 Igc[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	
	888	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	480	
'	251	
k_LowResPhsReas_Cnt_str.NStep		
k_PhsReasEnableThresh_Cnt_u32	175642 2517	
k_PhsReasErrorTerm_Cnt_s16	25785	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	10729	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	169660	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.00004744	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.787022114	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-859	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4857	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	146945	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104094	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	846.5524548	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cni		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsRe$	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Creations and the property of the proper$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the following property of the pr$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	, , , , , , , , , , , , , , , , , , , ,	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsRe$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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	~

Τ				✓
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 Igc[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 Igc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4662
k ErrorFiltKn Cnt u16	61805
k_ErrorThresh_Cnt_u32	168342
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	890.8103936
k_LowResPhsReasMaxTol_Uls_f32	0.480914354
k LowResPhsReasMinTol Uls f32	2
k_LowResPhsReas_Cnt_str.Threshold	142
k_LowResPhsReas_Cnt_str.PStep	220
k_LowResPhsReas_Cnt_str.NStep	280
k PhsReasEnableThresh Cnt u32	32617
k_PhsReasErrorTerm_Cnt_s16	-7263
	91475
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	34178
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183241
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1 0,000,04741
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_UIs_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	1 · - · · · · · · · · · · · · · · · · ·
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol-	arity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgd	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-163515	-163515	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-332870	-332870	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-388835	-388835	~	
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	~	
SVDiag_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.430000007	0.43	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag PrevLRPRHighSector Cnt M Igc[1]	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	~

0

0

0

0

4200

0

0

0

0 4200

Test Step 2.44 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_FievLRPRPhsAdvComp 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 tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	99615		
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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReaDIAG_Per1_ExpectedOnTimeA_Cnt_Re$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC		. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCapt Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.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]	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_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] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1] 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	0.43999998	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]	Ō	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	4300	

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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States are also become a supplied to the property of the property $	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_LRPRAdjModldAComp_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_Igc[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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsRe$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedO$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order (Applied From From From From From From From From$	tgt_DigPhsReasDiag_Per1_Gate	eDriveResetActive_Cnt_lgc	
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ LRPRCorrectedMtrPosCor$	tgt_DigPhsReasDiag_Per1_LRP	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRP	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRP	RPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag.DigPhsR$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUre$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_Moto	orVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrE	ElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDA	ActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

0	0 0		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.460000008	0.46	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500	4500	•

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.47 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936		
SVDiag_HighResPhsReasDisable_M_u8	11		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.47		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4600		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	215		
SVDiag LowResPhsReasDisable M u8	100		
SVDiag MaxNrCommOffVltg Cnt M f32	12726.1041		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.56		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_gc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5106		
k_ErrorFiltKn_Cnt_u16	45018		
k_ErrorThresh_Cnt_u32	149217		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	159.4128509		
k LowResPhsReasMaxTol Uls f32	2		
k LowResPhsReasMinTol Uls f32	0.978752732		
k_LowResPhsReas_Cnt_str.Threshold	842		
k LowResPhsReas Cnt str.PStep	265		
k_LowResPhsReas_Cnt_str.NStep	911		
k PhsReasEnableThresh Cnt u32	197791		
k_PhsReasErrorTerm_Cnt_s16	6377		
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	85		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	110121		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	111040		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.033400714		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1173		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	153006		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83593		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	178495		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1094.287715		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	0_ 0_ 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt		·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	1		
Name	Actual Value	Expected 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	_
	-9101312	-9101312	

-9101312

-18202624

-27303936

12

-9101312

-18202624

-27303936

12 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.0334007144	0.033400714	*
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1899	1899	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

Test Step 2.48 (Repeat Count = 1)	✓
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag FilterSV Cnt M s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	44
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.48
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag LRPRLowSector Cnt M Igc[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_LowResPhsReasMaxTol_Uls_f32	1.602493823
k_LowResPhsReasMinTol_Uls_f32	1.866541564
k_LowResPhsReas_Cnt_str.Threshold	58
k_LowResPhsReas_Cnt_str.PStep	574
k_LowResPhsReas_Cnt_str.NStep	775
k_PhsReasEnableThresh_Cnt_u32	86275
k_PhsReasErrorTerm_Cnt_s16	3294
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184529
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	128618
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	18218
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigP$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Diag_Per1_ExpectedOnTimeC_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Contorial Contoria$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVe$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crange and the property of the proper$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_LRPRAdjModldAComp_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[□			

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		1 1 2 1 6 1 6
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 Igc[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	
	228	
k_LowResPhsReas_Cnt_str.NStep	0	
k_PhsReasEnableThresh_Cnt_u32	-4558	
k_PhsReasErrorTerm_Cnt_s16	5552	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	125704	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	154826	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.498207688	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.136701763	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	997	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69673	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	157998	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13036	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	595.885945	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Ig		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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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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	4800	4800	✓

Τ				
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)	on the control of th
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 Igc[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
	45875
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875 52429
SVDiag_PhaseOffset_Rev_M_u0p16[1]	
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_LowResPhsReasMaxTol_Uls_f32	0.415904939
k_LowResPhsReasMinTol_Uls_f32	0.049414694
k_LowResPhsReas_Cnt_str.Threshold	506
k_LowResPhsReas_Cnt_str.PStep	45
k_LowResPhsReas_Cnt_str.NStep	417
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	-951
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	156923
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	14217
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	108078
tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.926446915
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	225
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	195300
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	73268
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	119260
	477.3782057
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn	1
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveRes$	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersUpdates and the property of the p$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	~	
SVDiag_HighResPhsReasDisable_M_u8	58	58 ± 1	~	
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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				V
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_LRPRAdjModldAComp_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 Igc[0]	1

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DigPhsReasDiag_Per1			MACH	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5550			
k ErrorFiltKn Cnt u16	48777			
k ErrorThresh Cnt u32	54005			
k LRPRMtrVelDiagEnable MtrRadpS T f32	27.02146125			
k LowResPhsReasMaxTol Uls f32	2			
k_LowResPhsReasMinTol_Uls_f32	0.030959487			
k_LowResPhsReas_Cnt_str.Threshold	387			
k_LowResPhsReas_Cnt_str.PStep	288			
k_LowResPhsReas_Cnt_str.NStep	135			
k_PhsReasEnableThresh_Cnt_u32	81038			
k_PhsReasErrorTerm_Cnt_s16	1822			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	46988			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	196859			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	146601			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.730648875			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	827			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	114647			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	26907			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	30607			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-658.2043502			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc				
				Dogult
Name Pto Coll An DiaDhoDoopDiag Nata-DiagMay Coth/ICCCoth/(AITC Coth T. on un)	Actual Value	Expected Value		Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82 64	82 64		~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)		1		Ž
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0]	9334013	9334013		
	11655322			Ž
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	13976631	11655322 13976631		~
SVDiag HighResPhsReasDisable M u8	78	78 ± 1		Ž
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1		~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0		Ž
SVDiag LRPRHighSector Cnt M lgc[1]	1	1		V
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0		_
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0		~
SVDiag LRPRLowSector Cnt M lgc[1]	0	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1		✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	827	827		·
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	657	657		✓
SVDiag_LowResPhsReasDisable_M_u8	75	75 ± 1		~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.50999999	0.51		✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1		~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1		~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1		~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0		✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0		~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0		~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5000	5000		✓



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

Test Step 2.52 (Repeat Count = 1)	Innuit Walter
	Input Value
	tgt_Rte_Inst_Ap_DigPhsReasDiag
0	-9101312
9	-18202624
0	-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
	5100
	526
0	71
<u> </u>	59495.03321
9_ 0 0_	9175
	9830
9	9830 10486
<u> </u>	0.61
3 3 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0
0 = = = = 0 1 1	0
3	0
	0
= = = = = = = = = = = = = = = = = = = =	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5661
c_ErrorFiltKn_Cnt_u16	44054
c_ErrorThresh_Cnt_u32	96416
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	274.9853062
_LowResPhsReasMaxTol_Uls_f32	0.744173348
_LowResPhsReasMinTol_Uls_f32	1.259481847
_LowResPhsReas_Cnt_str.Threshold	376
LowResPhsReas Cnt str.PStep	368
C LowResPhsReas Cnt str.NStep	311
	33129
	-10000
	181762
0_ 0	41890
	173694
0_ 0	
0_ 0	0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.999984741
32 3 4 44 32 4 2 4 4 4 4 4 4 4 4 4 4 4 4	1
	-633
	5419
0_ 0	105139
	144013
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-747.4518609
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	V V V V V V V V V V V V V V V V V V V
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa;	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolarity_Cross_ReadDia$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_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	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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsPhsReasDiag_DigPhsPhsReasDiag_DigPhsPhsReasDiag_DigPhsPhsPhsPhsPhsPhsPhsPhsPhsPhsPhsPhsPhsP$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prop$	32 2		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexC$	3		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	V- V		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CracketsPolarity_C$	V- V	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Pto Coll An DigDhaPagaDing NytrDiggMar SatNTCStatus/NTC Cat T anum)	02	02	

tgto_motp_big. not todoblog.big. not todoblogtott by tott diction_orgr	rgt_b.g. nortodob.dg_r ort_r briodratoroot	_0.190	
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.529999971	0.53	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5200	5200	✓

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



Test Step 2.54 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400		
SVDiag FilterSV Cnt M s18p13[2]	2457600		
SVDiag_HighResPhsReasDisable_M_u8	63		
SVDiag_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] SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938 52429		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.63		
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0]	0.03		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5883		
k_ErrorFiltKn_Cnt_u16	247		
k_ErrorThresh_Cnt_u32	177020		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	600.5355268		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.727967083		
k_LowResPhsReas_Cnt_str.Threshold	276		
k_LowResPhsReas_Cnt_str.PStep	493		
k_LowResPhsReas_Cnt_str.NStep	837		
k_PhsReasEnableThresh_Cnt_u32	196839		
k_PhsReasErrorTerm_Cnt_s16	200000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	106426		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Ont_u32.value	176201		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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_Igc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	0_ 0	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Ci tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Ci			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Ci tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered	1		
tgt_Rte_inst_Ap_DigPnsReasDiag.DigPnsReasDiag_Per1_MotorvelMRFUnflitered tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_0			
	1		
tgt_kte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc	3 ·g	9~	
	Actual Value	Expected Value	Posu
Name	Actual Value	Expected Value	Resu
Name Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	82 0	82 0	Resu
Name	82 0	82	Resu

1638400

2457600

64

1638400

2457600

64 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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	✓

Τ				V
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_LRPRAdjModldAComp_Cnt_M_f32	0.55
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	755
SVDiag_LowResPhsReasDisable_M_u8	24
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29159.99095
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.64
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5994
k_ErrorFiltKn_Cnt_u16	42542
k_ErrorThresh_Cnt_u32	135784
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	506.8940983
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0.407167554
k_LowResPhsReas_Cnt_str.Threshold	86
k_LowResPhsReas_Cnt_str.PStep	379
k_LowResPhsReas_Cnt_str.NStep	873
k_PhsReasEnableThresh_Cnt_u32	154721
k_PhsReasErrorTerm_Cnt_s16	8983
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48599
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	186103
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	13959
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.261771858		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	8		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	102355		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	103508		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	55894		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	612.5526271		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_u	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedl	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	ttgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cl	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	c 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 LRPRAdjModldAComp 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 Igc[2]	1	1	
SVDiag LRPRLowSector Cnt M Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.550000012	0.55	~
0 1 2 lag_1 10 12 la 1 1 lajinoulu 00 liip_0 lii_lii_lo2	0.00000012		
SVDiag PrevLRPRHighSector Cnt M Igc[0]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[11]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1 1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1 1 0	1 1 0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1 1	1	~

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_LRPRAdjModldAComp_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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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	✓

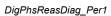
T ·				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Total Step 2.57 (Repeat Count = 1)		
Name Input Ap DipPhaRead Diag Mg. Rit. Inst. Ap. DipPhaRead Diag SYDIAG_ FIRESY_CH_M_S180(30) 2:14748112 SYDIAG_ FIRESY_CH_M_S180(30) 2:14748112 SYDIAG_ FIRESY_CH_M_S180(30) 2:14748112 SYDIAG_ FIRESY_CH_M_S180(30) 0 SYDIAG_ FIRESY_CH_M_S181 0.0 SYDIAG_ FIRESY_CH_M_S181 0 SYDIAG_ FIRESY_CH_M_M_S181 0 SYDIAG_ FIRESY_CH_M_M_S181 0 SYDIAG_ FIRESY_CH_M_M_S181 0 SYDIAG_ FIRESY_CH_M_M_S181 0 SYDIAG_ FIRESY_CH_M_M_M_S181 0	Test Step 2.57 (Repeat Count = 1)	✓
No. Part Ap. DightheReadlag No. Part Part Ap. DightheReadlag		Input Value
\$100.00		·
SVDag Files SV CM s180131 2:44748112 35 35 35 35 35 35 35 3		
SPOBAR_PRINGSY_CRI_M_S192 3 24141912 SPOBAR_PREAGNESSED_LEAN_U_S2 SPOBAR_PREAGNESSED_LEAN_U_S2 SPOBAR_PREAGNESSED_CRI_M_S192 0 SPOBAR_PREAGNESS		
SVDBag JRRRA MORRA MARCA (L.M. M. SE)		
SVDiag_LRPRAqibociaAComp_cnt_M_1921 0		
SVDag_LRPRHighSector, Cnt, M_19ct		
SVDiag_LRPRHighSector_Cnt_Migd1 0 SVDiag_LRPRHiwSector_Cnt_Migd2 0 SVDiag_LRPRHiwSector_Cnt_Migd2 0 SVDiag_LRPRHiwSector_Cnt_Migd2 0 SVDiag_LRPRHiwSector_Cnt_Migd2 0 SVDiag_LRPRHimSector_Cnt_Migd2 0 SVDiag_LRPRHimSector_Cnt_Migd2 0 SVDiag_LRPRHimSector_Cnt_Migd2 0 SVDiag_LRPRHimSector_Cnt_Migd2 0 SVDiag_LowResPhatSector_Sector_Cnt_Migd2 0 SVDiag_LowResPhatSector_Sector_Cnt_Migd2 0 SVDiag_LowResPhatSector_Sector_Cnt_Migd2 0 SVDiag_LowResPhatSector_Cnt_Migd2 0 SVDiag_LowResPhatSector_Cnt_Migd2 0 SVDiag_PhatSector_Res_Migd2 0 SVDiag_PhatSector_Res_Migd2 0 SVDiag_PhatSector_Res_Migd2 0 SVDiag_PhatSector_Cnt_Migd2 0 SVDiag_PhatSector_Sector_Cnt_Migd2 0 SVDiag_PhatSector_Cnt_Migd2 0 SVDiag_PhatSector_Cnt_Migd2 0 SVDiag_Pha		
SVDiag_ LRPRispSector_Cnt_M_gd[1]		
SVDiag_LRPRLowSector_Cnt_M_lgct SVDiag_LRPR.Sector_Cnt_M_lgct SVDiag_LRPR.Sector_Cnt_M_lgct SVDiag_LRPR.Sector_Cnt_M_lgct SVDiag_LowResPristReanDiable_M_us SVDiag_LowResPristReanDiable_M_us SVDiag_LowResPristReanDiable_M_us SVDiag_LowResPristReanDiable_M_us SVDiag_LowResPristReanDiable_M_us SVDiag_PlaceResPristReanDiable_M_us SVDiag_Pl		
SVDiag_LRPRLowSector_Cnt_M_lgct[2] 0 SVDiag_LRPRR-MACCOMp_Cnt_M_ltd6 5600 SVDiag_LRPRR-MACCOMp_Cnt_M_utd6 5600 SVDiag_LowFRR-MacScrotch_M_utd6 844 SVDiag_LowFRR-MacScrotch_M_utd6 88 SVDiag_LowFRR-MacScrotch_M_utd6 2293 SVDiag_PhaseCRiet_Rev_M_utd616[0] 2293 SVDiag_PhaseCRiet_Rev_M_utd616[1] 2294 SVDiag_PhaseCRiet_Rev_M_utd616[2] 29491 SVDiag_PhaseCriet_Rev_M_utd616[2] 0.06 SVDiag_PhaseCriet_Rev_M_utd616[2] 0.06 SVDiag_PrevLRPRAGModictomp_Cnt_M_lgct[] 0 SVDiag_PrevLRPRidipSector_Cnt_M_lgct[] 0		·
SVDiag_LLPRILONSector_Cnt_M_u16		
SVDiag LorRPRhackComp_Cnt_M_u16 5000 SVDiag LorRPResStranCeC_nt_M_u16 544 SVDiag LorRPResStranCeC_nt_M_u172 5000.02873 SVDiag MaxNrCommOfWig_Ont_M_u52 5000.02873 SVDiag PhaseOffset_Rev M_u0p16[1] 2293 SVDiag PhaseOffset_Rev M_u0p16[2] 2491 SVDiag PrevRPRAgModidComp_Cnt_M_u52 506 SVDiag PrevRPRHighSector_Cnt_M_u5[1] 0 SVDiag PrevRPRHighSector_Cnt_M_u5[2] 0 SVDiag PrevRPRHighSector_Cnt_M_u5[2] 0 SVDiag PrevRPRRidoSector_Cnt_M_u5[2] 0 SVDiag PrevRPRIdoSector_Cnt_M_u5[2] 0 SVDiag PrevRPRidoSector_Cnt_M_u5[2] 100 K_ErrorInsch_u5_u5_u5 1722 k_LorResPhSReasMart_U Us_52 2 k_LorResPhSReasMart_U Us_52 0 k_LorResPhSReasMart_U Us_52 0 k_LorResPhSReasC_nt_str_Nsten 526 k_LorResPhSReasC_nt_str_Nsten		•
SVDiag_LowPiReaStroRacC.ctt_M_u16		
SVDiag_LowFeeFhsReadIpable_M_U8 98 SVDiag_PhaseOffset_Rev_M_U0p16[0] 22938 SVDiag_PhaseOffset_Rev_M_U0p16[1] 22941 SVDiag_PhaseOffset_Rev_M_U0p16[1] 22941 SVDiag_PhaseOffset_Rev_M_U0p16[1] 2646 SVDiag_PhaseOffset_Rev_M_U0p16[1] 0.66 SVDiag_Perk_RRPHighSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPHighSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPHighSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPHighSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPHighSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPHicowSector_Cnt_M_lgc[1] 0 SVDiag_Perk_RRPRIcowSector_Cnt_M_lgc[2] 0 SVDiag_Perk_RRPRIcowSector_Cnt_M_lgc[2] 0 SVDiag_Perk_RRPRIcowSector_Cnt_M_lgc[2] 0 SVDiag_Perk_RRPRIcowSector_Cnt_M_lgc[2] 100 K_EnroFineds_Cnt_u32 1722 K_LowReshReshReshWariO_Us_S12 2 K_LowReshReshReshwariO_Us_S12 2 K_LowReshRess_Cnt_str_Psiep 2 K_LowReshRess_Cnt_str_Psiep 58 K_LowReshRess_Cnt_str_Psiep 695 K_LowReshRess_Cnt_str_Ps		
SVDiag_MaxNrCommORVIQ_Cnt_M_1921 5003.028737 SVDiag_PhaseOffset_Rev_M_10p16[0] 22938 SVDiag_PhaseOffset_Rev_M_10p16[2] 2941 SVDiag_PhaseOffset_Rev_M_10p16[2] 29491 SVDiag_PrevLRPR-RightSector_Cnt_M_1920 0 SVDiag_PrevLRPR-RightSector_Cnt_M_19210 0 SVDiag_PrevLRPR-RighSector_Cnt_M_19210 0 SVDiag_PrevLRPR-RowSector_Cnt_M_19210 0 K_ErrorTrivenL_Cnt_u16 2 K_ErrorTrivenL_Cnt_u16 2 K_LowReshParkasoMarinTu_UIs_12 2 K_LowReshParkasoLor_Lis_12 2 K_DowSeshParkasoLor_Lis_12 2 K_DowSeshParkasoLor_Lis_12 </td <td></td> <td></td>		
SVDiag_PhaseOffset_Rev_M_u0pi16[1] 25248 SVDiag_PhaseOffset_Rev_M_u0pi16[1] 2524 SVDiag_PhaseOffset_Rev_M_u0pi16[2] 24941 SVDiag_PrevLRPRAdJModIdComp_Cnt_M_lg2[] 0.66 SVDiag_PrevLRPRHighSector_Cnt_M_lg2[] 0 SVDiag_PrevLRPRHighSector_Cnt_M_lg2[] 0 SVDiag_PrevLRPRHowSector_Cnt_M_lg2[] 0 SVDiag_PrevLRPRDwSector_Cnt_M_lg2[] 100 K_EmorTiresh_Cnt_us2 170217 k_LEWREMTRABACKOmp_Cnt_M_u16 21723 k_LowReshPiaReasblar_Lnt_us2 0.03415386 k_LowReshPiaReasblar_Lnt_us2 0.03415386 k_LowReshPiaReas_Cnt_str.Nstep 528 k_LowReshPiaReas_Cnt_str.Nstep 4925 k_LowReshPiaReas_Cnt_str.Nstep 4925 k_LowReshPiaReasDiag_Pert_ExpectedOnTimeA_Cnt_us2 value 199262		
SVDlag_PhaseOffset_Rev_M_u0pi6[1] 26214 SVDlag_PhaseOffset_Rev_M_u0pi6[2] 2491 SVDlag_PrevLRPRdjModfodomp_Cnt_M_IS2 0.66 SVDlag_PrevLRPRdjModfodomp_Cnt_M_Igc[0] 0 SVDlag_PrevLRPRHjghSector_Cnt_M_Igc[1] 0 SVDlag_PrevLRPRHjghSector_Cnt_M_Igc[2] 0 SVDlag_PrevLRPRLowSector_Cnt_M_Igc[1] 0 SVDlag_PrevLRPRLowSector_Cnt_M_Igc[2] 0 SVDlag_PrevLRPRLowSector_Cnt_M_Igc[2] 0 SVDlag_PrevLRPRHowSector_Cnt_M_Igc[2] 0 SVDlag_PrevLRPRLowSector_Cnt_M_Igc[2] 0		
SVDiag_PhaseOffset_Rev_M_u0p16[2] 29491 SVDiag_PrevLRPRAIghRodicComp_Cnt_M_132 0.66 SVDiag_PrevLRPRHighSector_Cnt_M_19c[0] 0 SVDiag_PrevLRPRHighSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRIGNSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[1] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRLowSector_Cnt_M_19c[2] 0 SVDiag_PrevLRPRIO_SCECTOR_M_19c[2] 0 SVDi	SVDiag_PhaseOffset_Rev_M_u0p16[0]	
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SVDiag_PrevLRPRLowSector_Cn_M_gct2 0 SVDiag_PrevLRPRRhsAdvComp_Cnt_M_u16 100 k_ErrorFilkMc_Cnt_u16 21723 k_ErrorFilkMc_Cnt_u18 170217 k_LRPRRhtVelDiagEnable_MtrRadpS_T_f32 982.5199534 k_LowResPhsReasMaxTol_Uls_f32 0.03418386 k_LowResPhsReasMinTol_Uls_f32 2 k_LowResPhsReas_Cnt_str.Threshold 658 k_LowResPhsReas_Cnt_str.Stbep 29 k_LowResPhsReas_Cnt_str.NStep 528 k_PhsReasEnableThresh_Cnt_u32 76736 k_PhsReasErroTerm_Cnt_st6 4925 tgt_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32.value 0.809941888 tgt_DigPhsReasDiag_Pert_MERPCorrectedMtrPoscaptured_rev_f32.value 164094188 tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value 149485 tgt_DigPhsReasDiag_Pert_Me	SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
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k_LowResPhsReasMaxTol_Uls_f32 0.03418386 k_LowResPhsReasCnt_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_LRPRCorrectedMtrPosCaptured_Rev_f32.value 1 tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 0.809941888 tgt_DigPhsReasDiag_Per1_LRPRPRofacedvanceCaptured_Uls_f32.value 1 tgt_DigPhsReasDiag_Per1_MReasuredOnTimeA_Cnt_u32.value 454 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 89793 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 149485 tgt_DigPhsReasDiag_Per1_MrEiecMechPolarity_Cnt_s08.value -259 709338 tgt_DigPhsReasDiag_Per1_MotovVelMRTQnfittered_MtrRadpS_f32.value -259 709338 tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_ExpectedOnTimeA_Cnt_t	k_ErrorThresh_Cnt_u32	170217
k_LowResPhsReasMinTol_Uls_132 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_PhsReasEnableThresh_Cnt_u32 76736 k_PhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 75966 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 19962 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 4364 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MessuredOnTimeC_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_gc_value -1 tgt_DigPhsReasDiag_Der1_PDActivateTest_Cnt_gc_value -1	k LRPRMtrVelDiagEnable MtrRadpS T f32	982.5199534
k_LowResPhsReasMinTol_Uls_132 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_PhsReasEnableThresh_Cnt_u32 76736 k_PhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value 75966 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 154269 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 19962 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 4364 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MessuredOnTimeC_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_gc_value -1 tgt_DigPhsReasDiag_Der1_PDActivateTest_Cnt_gc_value -1	k LowResPhsReasMaxTol Uls f32	0.03418386
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tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 88793 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 0 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_Di		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_DigPhsRea		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 89793 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 136641 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 0 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value 194985 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -259.709338 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 0 tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPh	0 0 0 1	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 0 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value 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_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_DigPhsReasD		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32$		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc		
	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersContracts = 0.0000000000000000000000000000000000$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarching and the property of the p$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igenerate (Continuous Continuous Conti$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-1435620571	-1435620571	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1435620571	-1435620571	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1435620571	-1435620571	~
SVDiag_HighResPhsReasDisable_M_u8	36	36 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5690	5690	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	658	658	~
SVDiag_LowResPhsReasDisable_M_u8	99	99 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_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	~

Τ				✓
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	✓

5600

0 5600

Test Step 2.58 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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_PrevLRPRAdjModIdComp_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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DigPnsReasDiag_Per1			MACICAL
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_UIs_f32	1		
k_LowResPhsReas_Cnt_str.Threshold	165		
k_LowResPhsReas_Cnt_str.PStep	323		
k_LowResPhsReas_Cnt_str.NStep k PhsReasEnableThresh Cnt u32	811 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_Igc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	-0.467590809		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	409		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	170974		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	88218		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	195391		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-498.116707		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	· - · - · -	·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt Rte Inst Ap DigPhsReasDiag.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)	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_LRPRAdjModldAComp_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 0	3481	•
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	18	0 18 ± 1	
	0.579999983	0.58	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 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	•



Τ				
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	~

est Step 2.59 (Repeat Count = 1)	
lame	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	0
VDiag_FilterSV_Cnt_M_s18p13[1]	0
VDiag_FilterSV_Cnt_M_s18p13[2]	0
VDiag_HighResPhsReasDisable_M_u8	16
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.59
VDiag_LRPRHighSector_Cnt_M_lgc[0]	0
VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag_LRPRHighSector_Cnt_M_lgc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	1
VDiag_LRPRLowSector_Cnt_M_lgc[1]	1
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
VDiag_LRPRPhsAdvComp_Cnt_M_u16	5800
VDiag_LowPhReasErrorAcc_Cnt_M_u16	832
VDiag_LowResPhsReasDisable_M_u8	66
VDiag_MaxNrCommOffVltg_Cnt_M_f32	0
VDiag_PhaseOffset_Rev_M_u0p16[0]	26214
VDiag_PhaseOffset_Rev_M_u0p16[1]	32768
VDiag_PhaseOffset_Rev_M_u0p16[2]	39322
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.68
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	300
_ErrorFiltKn_Cnt_u16	59326
_ErrorThresh_Cnt_u32	69418
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	921.1685183
_LowResPhsReasMaxTol_Uls_f32	0.241667032
_LowResPhsReasMinTol_Uls_f32	0.824356914
_LowResPhsReas_Cnt_str.Threshold	150
_LowResPhsReas_Cnt_str.PStep	109
_LowResPhsReas_Cnt_str.NStep	574
_PhsReasEnableThresh_Cnt_u32	152850
_PhsReasErrorTerm_Cnt_s16	7314
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184816
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	156479
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	10001
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.96814543
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1043
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	179520
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	29422
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	36298
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	591.6226729
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_C	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_C	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPo	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInde	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	
pt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA C	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_0	
,	13-13. III. todobiog_i or i_mododiodon iniob_oni_doz



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.589999974	0.59	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5800	5800	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

Test Step 2.60 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	91
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_PhsReasEnableThresh_Cnt_u32	47612		
k_PhsReasErrorTerm_Cnt_s16	-5730		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	162126		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59221		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	38277		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1250		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	135120		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	55505		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	124694		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-585.4597855		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReasDiag_Per1_ExpectedOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsR$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ReasDiag_Per1_ExpectedOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Constraints and the property of the $	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedl	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and approximation of the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieA_Cnt_u32	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt}$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_ReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_ReasDiag_Per1_MotorVelMRFUnfiltered_ReasDiag_ReasDia$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets and the property of the prop$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5900	5900	-

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.61 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840		
SVDiag FilterSV Cnt M s18p13[2]	-245760		
SVDiag HighResPhsReasDisable M u8	37		
SVDiag LRPRAdjModIdAComp Cnt M f32	0.61		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag LRPRHighSector Cnt M Igc[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_LowResPhsReasMaxTol_Uls_f32	0.890998006		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	161		
k_LowResPhsReas_Cnt_str.PStep	314		
k_LowResPhsReas_Cnt_str.NStep	824		
k_PhsReasEnableThresh_Cnt_u32	20000		
k_PhsReasErrorTerm_Cnt_s16	-3838		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	27402		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	74858		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	93818		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.091156125		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.184832156		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-401		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	112106		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	115672		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13646		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	444.318046		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	- 0 - 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	0 0 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	1	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C	· · · · · · · · · · · · · · · · · · ·		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_C	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilterer			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_(
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc			
Name	Actual Value	Expected Value	Resul
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$	82	82	·
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	

Name	Actual Value	Expected 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_LRPRAdjModldAComp_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				V
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 LRPRAdjModldAComp Cnt M f32	0.62
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag LRPRHighSector Cnt M Igc[1]	1
SVDiag LRPRHighSector Cnt M Igc[2]	1
SVDiag LRPRLowSector Cnt M Igc[0]	0
SVDiag LRPRLowSector Cnt M Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.71
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1.
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1.
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1.
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	164667
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	781.2031699
k_LowResPhsReasMaxTol_Uls_f32	1.7767784
k_LowResPhsReasMinTol_Uls_f32	0.697349846
k_LowResPhsReas_Cnt_str.Threshold	651
k_LowResPhsReas_Cnt_str.PStep	282
k_LowResPhsReas_Cnt_str.NStep	819
k_PhsReasEnableThresh_Cnt_u32	121912
k_PhsReasErrorTerm_Cnt_s16	-9053
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	177458
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	93853
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	43590
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_ONTimeA_OnTimeA_ONTimeA_O$	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOn	FimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Order = 0.0000000000000000000000000000000000$	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOn	FimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Onto a constraint of the property of the$	cnt_tgt_DigPhsReasDiag_Per1_ExpectedOn	FimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetAct$	e_(tgt_DigPhsReasDiag_Per1_GateDriveRe	setActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPolicy and the property of the property $	osC tgt_DigPhsReasDiag_Per1_LRPRCorrect	edMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInderstand (State 1) and (State 2) and (State 2$	xC tgt_DigPhsReasDiag_Per1_LRPRModula	tionIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhasea	advanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_OutlinesDiag_Per1_MeasureDiag_Per1_Me$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_error and an approximate the property of $	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilters and the property of $	ed_ tgt_DigPhsReasDiag_Per1_MotorVeIMR	-Unfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Rte_Inst_Ap_DigPhsReasDiag_Rte_Inst_Ap_Diag_Rte_I$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMech	Polarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivAtest_Cnt_PDActivAtes$	lgc tgt_DigPhsReasDiag_Per1_PDActivateTe	est_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_enur	n) 0	0	✓
	n) 0 -8192000	0 -8192000	· ·
SVDiag_FilterSV_Cnt_M_s18p13[0]	/ -	-	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enur SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	-8192000	-8192000	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	-8192000 -16384000	-8192000 -16384000	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	-8192000 -16384000 -24576000	-8192000 -16384000 -24576000	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	-8192000 -16384000 -24576000 83	-8192000 -16384000 -24576000 83 ± 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	-8192000 -16384000 -24576000 83 0.230777502	-8192000 -16384000 -24576000 83 ± 1 0.230777502	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502	-8192000 -16384000 -24576000 83 ± 1 0.230777502	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	-8192000 -16384000 -24576000 83 0.230777502 0	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502 0 1	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	-8192000 -16384000 -24576000 83 0.230777502 0 1	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 0 4040	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 0 4040 134	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 0 4040 134 26 0.620000005	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1 0.62	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 0 4040 134 26 0.620000005	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1 0.62 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LOwPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPreasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 0 4040 134 26 0.620000005 1	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1 0.62 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LOwPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPreasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 4040 134 26 0.620000005 1 1 1	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1 0.62 1 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	-8192000 -16384000 -24576000 83 0.230777502 0 1 1 1 0 0 4040 134 26 0.620000005 1 1 1 1 0	-8192000 -16384000 -24576000 83 ± 1 0.230777502 0 1 1 1 0 0 4040 134 26 ± 1 0.62 1 1 1 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 2.63 (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_LRPRAdjModldAComp_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.72	
SVDiag PrevLRPRHighSector Cnt M Igc[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_Igc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1 - 1 - 1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive C		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	0 0 0 0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	,	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	1 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	0 0 0 1	
Name		Result
· · · · · · · · · · · · · · · · · · ·	Lapoteu Fuido	.Joan

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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	~
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	~

lame	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
	50
VDiag_HighResPhsReasDisable_M_u8	0.64
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.04
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	
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
VDiag_LowPhReasErrorAcc_Cnt_M_u16	536
SVDiag_LowResPhsReasDisable_M_u8	76
VDiag_MaxNrCommOffVltg_Cnt_M_f32	56070.39268
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.73
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	800
_ErrorFiltKn_Cnt_u16	15454
_ErrorThresh_Cnt_u32	142299
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	482.1488878
_LowResPhsReasMaxTol_Uls_f32	0.387054026
_LowResPhsReasMinTol_Uls_f32	0.216386497
_LowResPhsReas_Cnt_str.Threshold	380
_LowResPhsReas_Cnt_str.PStep	420
_LowResPhsReas_Cnt_str.NStep	560
_PhsReasEnableThresh_Cnt_u32	20000
_PhsReasErrorTerm_Cnt_s16	-3400
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	166081
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	96410
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	188134
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.831977129
pt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-3
pt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	30482
pt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_us2.value	41745
	97531
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1027.598453
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC	_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntor(C)$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSEARCH = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	205895296	205895296	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-13039868	-13039868	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-6223000	-6223000	✓
SVDiag_HighResPhsReasDisable_M_u8	51	51 ± 1	~
SVDiag_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]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6141	6141	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	77	77 ± 1	~
SVDiag_PrevLRPRAdjModldComp_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_LRPRAdjModldAComp_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 Igc[0]	1

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DigPnsReasDiag_Per1			MACICAL
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 0.18299818		
k_LowResPhsReasMinTol_Uls_f32 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 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	-1 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1	Δ Cnt μ32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	ttgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntarrows and all the properties of the propertie$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			
Name	Actual Value	Expected Value	Resul
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] SVDiag_FilterSV_Cnt_M_s18p13[2]	8894316 27303936	8894316 27303936	
SVDiag_HighResPhsReasDisable_M_u8	4	4 ± 1	
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	333	333	
	1		



Τ				
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	•

lame	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	36405248
VDiag_FilterSV_Cnt_M_s18p13[1]	45506560
VDiag_FilterSV_Cnt_M_s18p13[2]	54607872
VDiag_HighResPhsReasDisable_M_u8	75
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.66
VDiag_LRPRHighSector_Cnt_M_lgc[0]	0
VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag LRPRHighSector Cnt M Igc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	1
VDiag LRPRLowSector Cnt M lgc[1]	1
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
VDiag_LRPRPhsAdvComp_Cnt_M_u16	444
VDiag_LowPhReasErrorAcc_Cnt_M_u16	476
VDiag_LowResPhsReasDisable_M_u8	15
	38778.7106
VDiag_MaxNrCommOffVltg_Cnt_M_f32	
VDiag_PhaseOffset_Rev_M_u0p16[0]	39322
VDiag_PhaseOffset_Rev_M_u0p16[1]	39977
VDiag_PhaseOffset_Rev_M_u0p16[2]	40632
VDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.75
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1000
_ErrorFiltKn_Cnt_u16	48734
_ErrorThresh_Cnt_u32	200000
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
LowResPhsReasMaxTol Uls f32	2
LowResPhsReasMinTol Uls f32	1.469503462
LowResPhsReas_Cnt_str.Threshold	649
LowResPhsReas Cnt str.PStep	198
LowResPhsReas_Cnt_str.NStep	814
PhsReasEnableThresh Cnt u32	132065
	-2564
_PhsReasErrorTerm_Cnt_s16	
pt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	19402
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	37242
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59580
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.534251213
yt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	761
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	182369
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	104001
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	187662
pt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	359.1404709
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
yt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	
pt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cn	
pt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cn	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndext	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCi	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Ci	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
t Dt. last As DisDt-Dass Diss DisDt-Dass Diss Dard Massacrado Tissa O	nt tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_LRPRAdjModldAComp_Cnt_M_f32	0.534251213	0.534251213	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3833	3833	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.660000026	0.66	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444	444	~

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

Test Step 2.67 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	84
SVDiag_LRPRAdjModldAComp_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnice Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cnice Ap_Diag_Per1_ExpectedOnTimeA_Cn$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnickled (Continuous) and the properties of the pro$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_I$	tgt_DigPhsReasDiag_Per1_	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPose	tgt_DigPhsReasDiag_Per1_	LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexConstraints (Constraints) and the property of the prop$	tgt_DigPhsReasDiag_Per1_	LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled Applies and Applies Applie$	tgt_DigPhsReasDiag_Per1_	LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReadDiag_Per1_MeasUredOnTimeA_CrosS_ReadDiag_Per1_Per1_MeasUredOnTimeA_CrosS_ReadDiag_Per1_Per1_Per$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTimeB_CrosS_ReadDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTim$	tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the following property of the pr$	tgt_DigPhsReasDiag_Per1_	MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	r tgt_DigPhsReasDiag_Per1_	MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	tgt_DigPhsReasDiag_Per1_	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

tgtto_motp_big. nortoucbidg.big. nortoucbidg_t or t briotivatoroot_ont_ige	rgt_b.g. nortodobidg or i b, totrator oot_	-o-nigo	
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.670000017	0.67	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	555	555	~

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.68 (Repeat Count = 1)	Input Value		
Name Pto Jost An Dia Pho Poss Diag	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 Igc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1200		
k_ErrorFiltKn_Cnt_u16	36333		
<pre>c_increase</pre>	20382		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	568.6031012		
k LowResPhsReasMaxTol Uls f32	0.649018586		
	1.483640134		
k_LowResPhsReasMinTol_Uls_f32			
k_LowResPhsReas_Cnt_str.Threshold	922 549		
k_LowResPhsReas_Cnt_str.PStep			
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		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	137606		
gt_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		
gt_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 Cn	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1 1 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosi			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC	0_ 0	·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_FeH_ERPRPhaseadvanceCa		. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ERFRFRaseavanceCa tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr			
tgt_Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_MeasuredOnTimeA_or			
	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Motor\/eIMPELInfiltered			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	32 3		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg 			
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
	0	0	

-3686400

-2829126

-3267171

30

-3686400

-2829126

-3267171

30 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_Igc[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	✓

Τ				V
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	~

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
VDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag HighResPhsReasDisable M u8	42
SVDiag LRPRAdjModldAComp Cnt M f32	1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag LRPRHighSector Cnt M Igc[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
VDiag_PhaseOffset_Rev_M_u0p16[0]	6554
VDiag PhaseOffset Rev M u0p16[1]	13107
VDiag PhaseOffset Rev M u0p16[2]	19661
VDiag PrevLRPRAdjModldComp Cnt M f32	0.78
VDiag PrevLRPRHighSector Cnt M Igc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
VDiag PrevLRPRLowSector Cnt M Igc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1300
ErrorFiltKn_Cnt_u16	29348
_ErrorThresh_Cnt_u32	46003
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	176.3621515
_LowResPhsReasMaxTol_Uls_f32	0.214813828
_LowResPhsReasMinTol_Uls_f32	1.529430628
_LowResPhsReas_Cnt_str.Threshold	416
_LowResPhsReas_Cnt_str.PStep	397
_LowResPhsReas_Cnt_str.NStep	652
_PhsReasEnableThresh_Cnt_u32	19817
_PhsReasErrorTerm_Cnt_s16	-8722
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108203
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	21683
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159603
gt DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc.value	1

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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	A Cnt tgt DigPhsReasDiag Per1 Ex	xpectedOnTimeA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeE		·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTime(
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetAc	_ ,		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMi			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIn			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvar	, , , , , , , , , , , , , , , , , , ,		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTime			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfil	_		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolar		<u> </u>	
		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_C			- v
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_ent_		82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u		0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_e	,	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_PrevLRPRAdjModIdComp_Cnt_M_f32	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	-
SVDiag PrevLRPRHighSector Cnt M Igc[1]	1	1	•
SVDiag PrevLRPRHighSector Cnt M Igc[2]	1	1	-
SVDiag PrevLRPRLowSector Cnt M Igc[0]	0	0	•
SVDiag PrevLRPRLowSector Cnt M lgc[1]	0	0	-
SVDiag PrevLRPRLowSector Cnt M Igc[2]	0	0	-
SVDiag PrevLRPRPhsAdvComp Cnt M u16	777	777	
	1		

Τ				
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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		(12 16 16 16
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 Igc[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	
	591	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	305	
k_LowResPhsReas_Cnt_str.NStep	433	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	131986 -3179	
	45309	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	59727	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	54928	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0 0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	44	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48171	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83084	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	177478	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	358.2577893	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1 - 1 - 1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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	888	888	~

Τ				✓
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	~

lame	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
	54607872
VDiag_FilterSV_Cnt_M_s18p13[2] VDiag_HighResPhsReasDisable_M_u8	0
SVDiag_LRPRAdjModIdAComp_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]	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	0
VDiag_LowPhReasErrorAcc_Cnt_M_u16	301
VDiag_LowResPhsReasDisable_M_u8	67
VDiag_MaxNrCommOffVltg_Cnt_M_f32	65120.45896
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
VDiag_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
_ErrorFiltKn_Cnt_u16	16690
_ErrorThresh_Cnt_u32	12734
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	468.931407
_LowResPhsReasMaxTol_Uls_f32	0.459621906
_LowResPhsReasMinTol_Uls_f32	1.898839116
_LowResPhsReas_Cnt_str.Threshold	531
_LowResPhsReas_Cnt_str.PStep	0
_LowResPhsReas_Cnt_str.NStep	478
_PhsReasEnableThresh_Cnt_u32	155725
 _PhsReasErrorTerm_Cnt_s16	-2329
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	42816
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	109988
pt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	72504
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.54947412
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-1524
pt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	69751
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	165477
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	181394
t DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	623.7762838
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0 Cot tot DieDhaDagaDiag Part EvacatedOnTimeA Cot u22
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_	_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32





Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptable Person For the Control of the $	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	* - 		
$tgt \>\>\> Rte \>\>\> Inst \>\>\> Ap \>\>\> DigPhsReasDiag.DigPhsReasDiag \>\>\> Per1 \>\>\>\> MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc		
Name	Actual Value	Expected Value	Result	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	33923700	33923700	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	40705102	40705102	~	
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	~	
SVDiag_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	4620	4620	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~	
SVDiag_LowResPhsReasDisable_M_u8	68	68 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_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	~	

Τ				✓
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)	la de la companya de
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	67
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.69
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

DigPhsReasDiag Per1

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Input Value SVDiag PrevLRPRLowSector Cnt M lgc[1] SVDiag PrevLRPRLowSector Cnt M lqc[2] 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 1000 k LowResPhsReas Cnt str.PStep 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 146619 tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.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 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 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_Ctgt_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 LRPRPhaseadvanceCapt 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 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ usperson to tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasUredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasUredOnTimeC_Cnt\\ usperson tgt_DigPhsReasDiag_Per1_MeasUredOnTimeC_Cnt\\ usperso$ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr-tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_DigPhsReasDiag_Per1_MtrElecMechPol$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc\\ \ tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc\\ \ tgt_DigPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiag_Per1_PDActivateTest_DiagPhsReasDiagPhsRe$ **Actual Value Expected Value** Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) 82 Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 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 -116449756 -116449756 SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 68 ± 1 $SVDiag_LRPRAdjModldAComp_Cnt_M_f32$ 0.396101594 0.396101594 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 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] **~** 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 0.689999998 0.69

1

1

0

0

0

6144

1

1

0

0

0

6144

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag PrevLRPRLowSector Cnt M lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16



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)	
lame	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
VDiag_HighResPhsReasDisable_M_u8	98
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.7
VDiag LRPRHighSector Cnt M Igc[0]	0
	0
	0
	1
52	1
0	1
= = = = ::	555
	37
5	57
0	54846.5631
0_ 0_ 1	16384
0	19661
	22938
0_	0.82
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0
0 = = = = 1017	0
0_ 0 0 0 0	0
= = = = ::	0
5	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1700
_ErrorFiltKn_Cnt_u16	21629
_ErrorThresh_Cnt_u32	6916
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	932.1623722
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	1.105107307
_LowResPhsReas_Cnt_str.Threshold	639
LowResPhsReas_Cnt_str.PStep	773
LowResPhsReas_Cnt_str.NStep	89
	1782
	-5038
	60248
	177435
	31246
	1
	0.999984741
, = =	0.698479354
, , , ,	
	1465
	167067
	161942
	13929
	-1098.061662
7_ 0	-1
7 = 0	1
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	· · · · · · · · · · · · · · · · · · ·
	tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32
IL RIE IIISLAD DIUFIISREASDIAU DIUFIISREASDIAU FELL MEASUIEUCH LINEA CITI	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cit gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tot DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_$	gt_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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.69999988	0.7	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	555	555	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

Test Step 2.74 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400		
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600		
SVDiag_HighResPhsReasDisable_M_u8	9		
SVDiag_LRPRAdjModldAComp_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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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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedOnTim$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output Personal Control of the Contro$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact (a) and the property of the pr$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntored and the property of the property $	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhsRead_ApD_DigPhs$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrEl$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

tgtto_motp_big. nortoucbidg.big. nortoucbidg_t or t briotivatoroot_ont_ige	19CD19. Hot todobidg_t of 1_t by todivate 100C_off_go		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.709999979	0.71	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	999	999	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓



Test Step 2.75 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasI	Diag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	nag	
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720		
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816		
SVDiag_HighResPhsReasDisable_M_u8	78		
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.72		
SVDiag LRPRHighSector Cnt M Igc[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_ERR N26w6estor_Ont_M_gc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1111		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55		
SVDiag LowResPhsReasDisable M u8	1		
SVDiag MaxNrCommOffVltg Cnt M f32	51978.4479		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.84		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1900		
k_ErrorFiltKn_Cnt_u16	54515		
k ErrorThresh Cnt u32	96983		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	86.71005368		
k LowResPhsReasMaxTol Uls f32	2		
k LowResPhsReasMinTol Uls f32	0.395847201		
k LowResPhsReas Cnt str.Threshold	786		
k_LowResPhsReas_Cnt_str.PStep	591		
k_LowResPhsReas_Cnt_str.NStep	1000		
k PhsReasEnableThresh Cnt u32	122411		
k PhsReasErrorTerm Cnt s16	-1665		
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	170309		
tgt DigPhsReasDiag Per1 ExpectedOnTimeA_Cit_usz.value	138802		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	43562		
	1		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value 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_MeasuredOnTimeA_Cnt_u32.value	65332		
<u> </u>			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11886 251.1646431		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1 0		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value		nestedOnTimeA Ont ::22	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTime	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveReset/			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedI		PRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation	0_ 0	PRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadva			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTim			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUn			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPol	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_		OActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_ender)	· ·	82	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_T)$	_u08) 0	0	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_SetNTCStatus) \\$	enum) 0	0	
SVDiag_FilterSV_Cnt_M_s18p13[0]	633560	633560	
0\/Dia = Eita=0\/ Oat M =40=40[4]	426695	426695	
SVDiag_FilterSV_Cnt_M_s18p13[1]	.20000	1.2000	

4898816

79

4898816

79 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.951426446	0.951426446	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3934	3934	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	~
SVDiag_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	•

Τ				V
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	~

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

DigPhsReasDiag_Per1

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Igt_DigPhsReasDiag_Per1_LRPRCorectedMtrPosCaptured_Rev_f32.value 0.396101594
tgt_DigPhsReasDiag_Perf_LRPRPhaseadvanceCaptured_Cnt_s16.value 509 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32.value 48944 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32.value 35377 tgt_DigPhsReasDiag_Perf_MotorVelMRFUnfillered_MtrRadpS_f32.value 165539 tgt_DigPhsReasDiag_Perf_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Perf_DActivateTest_Cnt_Usc_value 0 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_tgt_rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_LRPRCorrectedMtrPosC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_LRPRCorrectedMtrPosC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_LRPRRCorrectedMtrPosC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_LRPRRDaceadvanceCapture_Utg_f32 tgt_DigPhsReasDiag_Derf_LRPRRCorrectedMtrPosCaptured_Rev_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32
tgt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MotoVelMRFUnfiltered_MtrRadpS_f32.value tgt_DigPhsReasDiag_Pert_MotoVelMRFUnfiltered_MtrRadpS_f32.value tgt_DigPhsReasDiag_Pert_PMotoVelMRFUnfiltered_MtrRadpS_f32.value tgt_DigPhsReasDiag_Pert_PDActivateTest_Cnt_Igc_value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LaperCont_indeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LaperCont_indeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LaperCont_indeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LaperRoorectedMtroeCaptured_IndeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LaperRoorectedMtroeCaptured_IndeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Pert_DActivateTest_Cnt_ DigPhsReasDiag_Pert_DActivateTest_Cnt_ DigPhsReasDiag_Pert_DActivateTest_C
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tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_Ctgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_DigPhsReasD
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPAseadvanceCat tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc Name Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] VDiag_FilterSV_Cnt_M_s18p13[1] tgt_Nte_Inst_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[1]
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc Name Actual Value Expected Value Result Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Ntoc_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNtCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] -9101312 -9101312 -9101312 -18202624 -18202624
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_cr tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc Name Actual Value Expected Value Result Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NtC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] -9101312 -18202624 -18202624 ** ** ** ** ** ** ** ** **
tgt Rte Inst Ap DigPhsReasDiag Per1 LRPRPhaseadvanceCar tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc Name Actual Value Expected Value Result Re_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] -9101312 -18202624 -18202624 -18202624
tgt Rte Inst Ap DigPhsReasDiag Per1 LRPRPhaseadvanceCar tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc Name Actual Value Expected Value Result Re_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] -9101312 -18202624 -18202624 -18202624
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc Name Actual Value Expected Value Result Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u5e tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc tgt_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_NtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_NtrDiagMgr_SetNTCStatus(NTC_Cnt_Tenum)
tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc Name Actual Value Expected Value Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] tg_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc Result 82 82 0 0 0 0 0 -9101312 -9101312 -9101312 -18202624 -18202624
NameActual ValueExpected ValueResultRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)8282\$2Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)00\$0Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)00\$0SVDiag_FilterSV_Cnt_M_s18p13[0]-9101312-9101312SVDiag_FilterSV_Cnt_M_s18p13[1]-18202624-18202624
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
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SVDiag_FilterSV_Cnt_M_s18p13[1] -18202624 -18202624 ✓
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 ±1 ✓
SVDiag PrevLRPRAdjModldComp Cnt M f32 0.730000019 0.73
SVDiag PrevLRPRHighSector Cnt M Igc[0] 1 1
SVDiag PrevLRPRHighSector Cnt M Igc[1] 1 1
SVDiag PrevLRPRHighSector Cnt M Igc[2] 1 1
SVDiag PrevLRPRLowSector Cnt M lqc[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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.86	
SVDiag PrevLRPRHighSector Cnt M Igc[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	
	248	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	51	
k_LowResPhsReas_Cnt_str.NStep	688	
k_PhsReasEnableThresh_Cnt_u32	172718	
k_PhsReasErrorTerm_Cnt_s16	-4324	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	15219	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	51510	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	119042	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.234095216	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1401	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	135252	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35469	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	90314	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	813.8449678	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ GateDriveResetActive\ GateDri$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCollege (College College (College College Coll$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled Approximation and the property of the property of$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarce and the property of the prop$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadPhsReadPhsReadPhsReadPhsPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPh$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Co	r tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igenerated (Continuous Continuous Cont$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	Kesuit
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	-
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	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_PrevLRPRAdjModIdComp_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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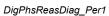
Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1335	1335	✓

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

Test Step 2.78 (Repeat Count = 1)	🗸
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	97
SVDiag_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_ERT Resweeder_one_w_getoj	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
	1447
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	197
SVDiag_LowResPhsReasDisable_M_u8	96
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	4526.438637
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.87
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2200
k_ErrorFiltKn_Cnt_u16	16995
k_ErrorThresh_Cnt_u32	89466
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	900.360134
k_LowResPhsReasMaxTol_Uls_f32	0.266519666
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	313
k_LowResPhsReas_Cnt_str.NStep	618
k_PhsReasEnableThresh_Cnt_u32	62996
k_PhsReasErrorTerm_Cnt_s16	8526
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	39409
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	80217
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	107190
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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
	39638
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	-413.3882061
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1 Let DieDhaDaadhia Dari SwaatadorTimat Ont 100
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	V V V V V V V V V V V V V V V V V V V
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tqt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCommunity (Community of the Community of the Communit$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersContinuous Continuous $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgeneration and the property of the pr$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	32768000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	30338125	30338125	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	36405750	36405750	~
SVDiag_HighResPhsReasDisable_M_u8	98	98 ± 1	~
SVDiag_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	1432	1432	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	97	97 ± 1	~
SVDiag_PrevLRPRAdjModldComp_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	~
	I.		

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	~

1

1447

1

1447

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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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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DigPnsReasDiag_Per1			Tazollab
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 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 tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		A Cnt u22	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Resu
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] SVDiag_HighPacPhaPacaPiaghla_M_u8	172345071 100	172345071	
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.834954023	100 ± 1 0.834954023	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0.004904020	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag LRPRLowSector Cnt M Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.75999999	0.76	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1559	1559	



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

lame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
	327680000
VDiag_FilterSV_Cnt_M_s18p13[1]	409600000
VDiag_FilterSV_Cnt_M_s18p13[2]	491520000
9_ 0	69
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.77
0_ 0 0 0 1	1
0_ 0 0 _ 0	1
0_ 0 0	1
= = = = = :	1
0	1
0	1
VDiag_LRPRPhsAdvComp_Cnt_M_u16	1671
VDiag_LowPhReasErrorAcc_Cnt_M_u16	818
VDiag_LowResPhsReasDisable_M_u8	86
VDiag_MaxNrCommOffVltg_Cnt_M_f32	66717.1036
	39322
0	39977
0	40632
0_	0.89
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1
0_ 0 = = = 017	1
3 2 2 2 2 2 1	1
= = = = = :	1
102 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2400
	53026
_ErrorThresh_Cnt_u32	158783
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	444.1993823
_LowResPhsReasMaxTol_Uls_f32	0.541185379
_LowResPhsReasMinTol_Uls_f32	1.832213044
_LowResPhsReas_Cnt_str.Threshold	424
_LowResPhsReas_Cnt_str.PStep	42
_LowResPhsReas_Cnt_str.NStep	113
	122649
_PhsReasErrorTerm_Cnt_s16	8699
pt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	68403
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	54961
pt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154888
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.542047858
pt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	580
	191120
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	90539
	4688
	253.8297549
2 3 4 4 4 4 5 2 4 2 4 4 4 4 5 2 4 2 4 4 4 4	1
0	0
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (0 0 0 = = = = = = = = = = = = = = = = =
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	,
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32



Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	gt_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_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	580	580	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	705	705	~	
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_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				V
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 LRPRAdjModldAComp Cnt M f32	0.78
SVDiag LRPRHighSector Cnt M Igc[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_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	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_E	expectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_GateDriveResetActiv$	tgt_DigPhsReasDiag_Per1_0	SateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_L	.RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_L	.RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_L	.RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_f	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_f	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersContract = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_f	MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRe$	tgt_DigPhsReasDiag_Per1_f	NotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color $	tgt_DigPhsReasDiag_Per1_f	/trElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_DigPhsRead_Per1_PDActivateTest_DigPhsRead_P$	tgt_DigPhsReasDiag_Per1_F	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	1 3 2 3 3 3 3 3 3 4 3 2 3 2 3 3 3 3 3 3 3	5	
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.779999971	0.78	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1783	1783	•

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.82 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400		
	-2457600		
SVDiag_FilterSV_Cnt_M_s18p13[2]			
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_FilaseOliset_Rev_ivi_u0p10[2] SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.91		
·			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
GVDiag_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		
_ErrorFiltKn_Cnt_u16	37928		
ErrorThresh Cnt u32	115298		
	902.1493455		
CLowResPhsReasMaxTol Uls f32	2		
CLOWResPhsReasMinTol Uls f32	2		
C_LowResPhsReas_Cnt_str.Threshold	940		
c_LowResPhsReas_Cnt_str.PStep	121		
C_LowResPhsReas_Cnt_str.NStep	290		
C_PhsReasEnableThresh_Cnt_u32	108988		
x_PhsReasErrorTerm_Cnt_s16	-3582		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	93062		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	45669		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159615		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
gt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-985		
gt_DigPhsReasDiag_Per1_ENTRY haseadvanceCaptured_Cht_s10.value	154103		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cht_us2.value			
2	155670		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	27685		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	101.0338351		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA C	nt tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_C	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neC_Cnt_u32	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPo		*	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndex	0_ 0	·	
gt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance0	0_ 0		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C	92 2		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB C	· - ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_0			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltere			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_	Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPo	plarity_Cnt_s08	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_I	gc tgt_DigPhsReasDiag_Per1_PDActivateTes	_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	, tost
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)		0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum SVDiag_FilterSV_Cnt_M_s18p13f01	o) 0 -326136	-326136	

-326136

-690200

-1016336

19

-326136

-690200

-1016336

19 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag LRPRAdjModldAComp Cnt M f32	1	1	✓
SVDiag LRPRHighSector Cnt M lgc[0]	0	0	~
SVDiag LRPRHighSector Cnt M Igc[1]	1	1	✓
SVDiag LRPRHighSector Cnt M Igc[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_PrevLRPRAdjModldComp_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	✓

Τ	Τ			
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_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 Igc[1]	1
SVDiag LRPRLowSector Cnt M Igc[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 PrevLRPRAdjModldComp Cnt M f32	0
SVDiag PrevLRPRHighSector Cnt M Igc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2700
k_ErrorFiltKn_Cnt_u16	16625
k_ErrorThresh_Cnt_u32	74233
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	401.7406915
k_LowResPhsReasMaxTol_Uls_f32	1.37069124
k_LowResPhsReasMinTol_Uls_f32	1.632939398
k_LowResPhsReas_Cnt_str.Threshold	800
k_LowResPhsReas_Cnt_str.PStep	112
k_LowResPhsReas_Cnt_str.NStep	875
k_PhsReasEnableThresh_Cnt_u32	127316
k_PhsReasErrorTerm_Cnt_s16	6005
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	185411
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	129713
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	178478
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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 tgt DigPhsReasDiag Per1 Expect	edOnTimeA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB	Cnt tgt DigPhsReasDiag Per1 Expect	edOnTimeB Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC	Cnt tgt DigPhsReasDiag Per1 Expect	edOnTimeC Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActi			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrF			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationInd	7 - 7	· - -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA	1 - 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilte			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cni		,	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enun		82	rtoduit
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08	<i>'</i>	64	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	, I	1	J
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	
	0.195205688	0.195205688	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	
	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	'		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag_LRPRLowSector_Cnt_M_lgc[2]		0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2072	2072	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	800	800	Y
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	•
SVDiag_PrevLRPRAdjModldComp_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	<u> </u>
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	✓

Τ				
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)	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_LRPRAdjModldAComp_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 Igc[2]	0	
SVDiag LRPRPhsAdvComp Cnt M u16	2119	
SVDiag LowPhReasErrorAcc Cnt M u16	452	
SVDiag LowResPhsReasDisable M u8	92	
SVDiag MaxNrCommOffVltg Cnt M f32	45882.90807	
SVDiag PhaseOffset Rev M u0p16[0]	13763	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1	
SVDiag PrevLRPRHighSector Cnt M Igc[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 LowResPhsReasMaxToI Uls f32	1.310171843	
k LowResPhsReasMinTol Uls f32	0.65343225	
k_LowResPhsReas_Cnt_str.Threshold	314	
k LowResPhsReas Cnt str.PStep	49	
k_LowResPhsReas_Cnt_str.NStep	836	
k PhsReasEnableThresh Cnt u32	131207	
k PhsReasErrorTerm Cnt s16	-8693	
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	88480	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	24200	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	81105	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	1434	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	147177	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	22360	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	172604	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	349.5524419	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive C		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCal		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	1 1 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	0 0 0 0 0	
Name	Actual Value Expected Value	Result
	1.1111	

Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC_CIII_1_endin)	0	0	-
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	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_PrevLRPRAdjModIdComp_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 Igc[1]	1
SVDiag LRPRLowSector Cnt M Igc[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_PrevERPRLowSector_Cnt_M_gc[0] SVDiag_PrevERPRLowSector_Cnt_M_gc[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
	1.567718804
k_LowResPhsReasMaxTol_Uls_f32 k_LowResPhsReasMinTol_Uls_f32	1.272922933
	1.272922955
k_LowResPhsReas_Cnt_str.Threshold	197
k_LowResPhsReas_Cnt_str.PStep	994
k_LowResPhsReas_Cnt_str.NStep	
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	0.99984741
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntor(App_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_CnressInst_Ap_Diag_Per1_ExpectedOnTimeC_CnressInst_Ap_Diag_Per1_ExpectedOnTimeC_CnressInsT_Ap_Diag_Per1_ExpectedOnTimeC_CnresSInsT_Ap_Dia$	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc



DigPhsReasDiag_Per1

Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex (and a continuous continuo$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	ar tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTimeB_CrosS_ReadDiag_Per1_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_Per1_Per$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	nfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color $				
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgrams and the property of the propert$	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9088750	-9088750	•	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18177500	-18177500	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27266250	-27266250	•	
SVDiag_HighResPhsReasDisable_M_u8	71	71 ± 1	~	
SVDiag_LRPRAdjModldAComp_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	✓	

Τ				✓
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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2231

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_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 Igc[0]	0

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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Digi iisi\easbiag_i eri			
Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000 21474		
k_ErrorFiltKn_Cnt_u16 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 18318		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 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		A Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	0 0 0 0 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	nceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntracking to the property of the propert$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			1
Name	Actual Value	Expected 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	V
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	9101312 18202624	9101312 18202624	
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	18370752	18370752	
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.100000001	0.1	·
SVDiag LRPRHighSector Cnt M lgc[0]	1	1	_
SVDiag LRPRHighSector Cnt M Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.82999983	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] SVDiag_PrevLRPRLowSector_Cat_M_lgc[0]	0	0	Y
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPheAdvComp_Cnt_M_u16	2343	2343	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	۷۵۹۵	2040	



Т				✓
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	~

	Input Value
	tgt_Rte_Inst_Ap_DigPhsReasDiag
0	36405248
0	45506560
VDiag_FilterSV_Cnt_M_s18p13[2]	54607872
VDiag_HighResPhsReasDisable_M_u8	12
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.84
VDiag_LRPRHighSector_Cnt_M_lgc[0]	1
VDiag_LRPRHighSector_Cnt_M_lgc[1]	1
VDiag_LRPRHighSector_Cnt_M_lgc[2]	1
VDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag_LRPRLowSector_Cnt_M_lgc[1]	0
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	2455
	218
9	50
<u> </u>	21771.51829
0= 0= = =	26214
	32768
0	39322
	0.2
0_	1
3 - 3 - 2 - 2 - 3 - 1 - 1	1
0_ 0 = = = 011	
3	1
	1
= = = = ::	1
	1
0_	3100
	14740
_ErrorThresh_Cnt_u32	72720
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	376.7955461
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	1.704405606
_LowResPhsReas_Cnt_str.Threshold	912
_LowResPhsReas_Cnt_str.PStep	954
_LowResPhsReas_Cnt_str.NStep	74
_PhsReasEnableThresh_Cnt_u32	188776
PhsReasErrorTerm_Cnt_s16	-5608
	161442
	88138
, = 0	142652
, = 0 0= = 1 = =	0
2	0.1
, = 0	0.1
	0.1
	61428
7 = 0	
	20057
	190963
	993.4578749
, = 0	-1
, = 0	0
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
ut Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCar	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
, C C C	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32



Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_MotorVelMRFUnfilt$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CracketsPolarity_C$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_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	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_LRPRAdjModldAComp_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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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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsRea$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Other and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellare Apart = 0.0000000000000000000000000000000000$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRea$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_PotADTACTEST_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_Per1_PDActivAteTest_Cnt_Per1_PDActivAteTest_Cnt_Per1_PDActivAteTest_Cn$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc
Name	Actual Value Expected Value Res

tgno_no_nttp_big. no reaching big. no reaching_ren british to	rgt_b.g. nortodob.dg_r ort_r briodratoroot	_0.190	
Name	Actual Value	Expected 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	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.89 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312		
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624		
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936		
SVDiag_HighResPhsReasDisable_M_u8	89		
SVDiag_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 2679		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	843		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	60		
SVDiag_LowNesr histeasDisable_w_u0 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		
z_ErrorFiltKn_Cnt_u16	21474		
z_ErrorThresh_Cnt_u32	87498		
x_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108		
x_LowResPhsReasMaxTol_Uls_f32	0.625639021		
<_LowResPhsReasMinTol_Uls_f32	0		
<pre><_LowResPhsReas_Cnt_str.Threshold <_LowResPhsReas_Cnt_str.PStep</pre>	314 817		
<pre><_cowResPisReas_Cnt_str.NStep</pre>	832		
C PhsReasEnableThresh Cnt u32	137672		
C PhsReasErrorTerm Cnt s16	4047		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	108620		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0	- A O-t ::20	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn			
gt_Rte_inst_Ap_bigPnsReasblag.bigPnsReasblag_Per1_ExpectedOnTimeB_Cn gt_Rte_inst_Ap_bigPhsReasblag.bigPhsReasblag_Per1_ExpectedOnTimeC_Cn	1		
gt_Ne_mst_Ap_bigPhsNeasDiag.DigPhsReasDiag_Per1_ExpectedOffilineO_Off			
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_GatebhveReseActive_ gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_LRPRCorrectedMtrPos	- 0- 0 0	0	
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_LRPRModulationIndext		·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCi			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ct	32 2		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Ci			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Res
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)		0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0]			

18202624

455216334

90

18202624

455216334

90 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

DigPhsReasDiag_Per1

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Actual Value **Expected Value** SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.100000001 0.1 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[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 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0

Т				V
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	~

0

0

2679

0

0

2679

Test Step 2.90 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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	0.87
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2791
SVDiag LowPhReasErrorAcc Cnt M u16	218
SVDiag LowResPhsReasDisable M u8	50
SVDiag MaxNrCommOffVltg Cnt M f32	21771.51829
SVDiag PhaseOffset Rev M u0p16[0]	26214
SVDiag PhaseOffset Rev M u0p16[1]	32768
SVDiag PhaseOffset Rev M u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3400
k_ErrorFiltKn_Cnt_u16	14740
k_ErrorThresh_Cnt_u32	72720
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	376.7955461
k_LowResPhsReasMaxTol_Uls_f32	1.902872443
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	912
k_LowResPhsReas_Cnt_str.PStep	954
k_LowResPhsReas_Cnt_str.NStep	74
k_PhsReasEnableThresh_Cnt_u32	188776
k_PhsReasErrorTerm_Cnt_s16	-5608
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	161442
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	88138
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	142652
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
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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	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack to the property of the property o$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	tgt_DigPhsReasDiag_Per1_GateDriveReset	tActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulatio	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt DigPhsReasDiag Per1 LRPRPhaseadv	ranceCaptured Cnt s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn		. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Ign		V— —	
Name	Actual Value	Expected 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_LRPRAdjModldAComp_Cnt_M_d0	0.100000001	0.1	
SVDiag_ERFRAGINGGIGACOTHP_CHI_M_132 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	
SVDiag_ERPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_ERFRiighSector_Cnt_M_igc[1] SVDiag_ERPRHighSector_Cnt_M_igc[2]	0	0	j
	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	1		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	•
SVDiag_PrevLRPRAdjModldComp_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				V
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_LRPRAdjModldAComp_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 lqc[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	0.549073937		
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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTi	imeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTi	imeB_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTi	imeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveRes	etActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrecte	edMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulat	ionIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhasea	dvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnr			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cn	tgt DigPhsReasDiag Per1 MeasuredOnT	imeC Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	,		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Ci	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	0_ 0	<i>7</i>	
Name	Actual Value	Expected Value	Resul
- Tunio	Actual Value	Expected Fulue	iveani

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.879999995	0.88	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

DigPhsReasDiag_Per1

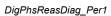
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Name Actual Value Expected Value

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPoses and the property of the property of$	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	tttgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTimeB_CrosS_ReadDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tttt_tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color $	tr tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	2584103	2584103	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	3214894	3214894	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	3845685	3845685	~
SVDiag_HighResPhsReasDisable_M_u8	92	92 ± 1	~
SVDiag_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	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	

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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Test Step 2.93 (Repeat Count = 1)	la de la companya de
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_LRPRAdjModldAComp_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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DigPnsReasDiag_Peri			MACILAB
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 k_LowResPhsReas_Cnt_str.Threshold	0.794280946 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 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	-1 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1	οΔ Cnt μ32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_PhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_PhsRead_Ph$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntrack the property of $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.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] SVDiag_FilterSV_Cnt_M_s18p13[2]	-14667020 -22000530	-14667020 -22000530	
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 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	0	0	•
SVDiag_LowResPhsReasDisable_M_u8	59	59 ± 1	•
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.89999976	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] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3127	3127	
OF DIAG TO THE HISTORY CONTINE ON THE UTO	0.27	V 121	



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	~

	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	81920
VDiag_FilterSV_Cnt_M_s18p13[1]	98304
VDiag_FilterSV_Cnt_M_s18p13[2]	106496
/Diag_HighResPhsReasDisable_M_u8	70
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.91
VDiag_LRPRHighSector_Cnt_M_lgc[0]	1
VDiag_LRPRHighSector_Cnt_M_lgc[1]	1
	1
	1
	1
0	1
	3239
	669
0	51
<u> </u>	45994.97875
6_ 6	
0	6554
/Diag_PhaseOffset_Rev_M_u0p16[1]	13107
0	19661
0_	0.9
3 1 1 2 2 2 2 1 1 1	1
0_ 0 = = = 017	1
3	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3800
_ErrorFiltKn_Cnt_u16	14530
_ErrorThresh_Cnt_u32	134336
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	103.7889451
LowResPhsReasMaxTol Uls f32	1.621960759
LowResPhsReasMinTol Uls f32	2
	530
	490
LowResPhsReas_Cnt_str.NStep	106
PhsReasEnableThresh Cnt u32	190427
	9299
	44056
_ 0	
t_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	107806
_ 0	32536
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
_ 0	0.1
_ 0	0.1
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0
t_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	115573
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	98640
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	95086
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1011.918054
	1
	0
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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_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]	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_LRPRAdjModldAComp_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiagDigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiagDigPhsReadDia$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiagD$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiagDigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiagDigPhsReadDia$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_Gate	eDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRP	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRP	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhase advanceCaption and the property of the property$	tgt_DigPhsReasDiag_Per1_LRP	PRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cn$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnT$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_		_ : _	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets and the property of the prop$	tgt_DigPhsReasDiag_Per1_MtrE	ElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_PDA	ActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.920000017	0.92	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3351	3351	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~



Test Step 2.96 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400		
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720		
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816		
SVDiag_HighResPhsReasDisable M_u8	8		
SVDiag_Ingintesi histoasbisasic_iw_io 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_ERPRLowSector_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_EKYKYISAdvConp_CN_M_u10 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	945		
 -	43		
SVDiag_LowResPhsReasDisable_M_u8	3006.021288		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	45875		
SVDiag_PhaseOffset_Rev_M_u0p16[0]			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144		
c_ErrorFiltKn_Cnt_u16	12539		
c_ErrorThresh_Cnt_u32	166124		
CLRPRMtrVelDiagEnable_MtrRadpS_T_f32	557.7246976		
_LowResPhsReasMaxTol_Uls_f32	1.003827095		
C_LowResPhsReasMinTol_Uls_f32	2		
<pre>c_LowResPhsReas_Cnt_str.Threshold</pre>	79		
C_LowResPhsReas_Cnt_str.PStep	750		
C_LowResPhsReas_Cnt_str.NStep	494		
C_PhsReasEnableThresh_Cnt_u32	169911		
c_PhsReasErrorTerm_Cnt_s16	6630		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	18424		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8331		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	109960		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.29188329		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1269		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	72182		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	53528		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	140045		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	782.4552365		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA C	nt tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_0	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_0	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive		Active_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPc			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInde			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_0	1	·	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB (1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_0			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilter			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_			
Name	Actual Value	Expected Value	Res
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	1,69
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cht_1_endin)		64	
		1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enur			
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	
SVDiag FilterSV Cnt M s18n13[1]	2334720	2334720	

2334720

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9

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9 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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			V	
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_LRPRAdjModldAComp_Cnt_M_f32	0.94
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3575
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	620
SVDiag_LowResPhsReasDisable_M_u8	98
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	6467.118915
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.15
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k_ErrorFiltKn_Cnt_u16	41263
k_ErrorThresh_Cnt_u32	127981
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	671.9232046
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.805785835
k_LowResPhsReas_Cnt_str.Threshold	326
k_LowResPhsReas_Cnt_str.PStep	647
k_LowResPhsReas_Cnt_str.NStep	683
k_PhsReasEnableThresh_Cnt_u32	180657
k_PhsReasErrorTerm_Cnt_s16	-608
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	55099
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	73634
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	112669
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Continu$	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_ContinueDiagPhsReasDiagPhsReadPhs$	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Constraints and the property of the prope$	cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveRese$	e_(tgt_DigPhsReasDiag_Per1_GateDriveRes	etActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPolicy and the property of the property $	osC tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInder and the property of t$	xC tgt_DigPhsReasDiag_Per1_LRPRModulat	onIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhaseac	dvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}$	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_OutlinesDiag_Per1_MeasureDONTimeB_Outli$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Option{Additional Control of the Control o$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered and the property of the property of$	ed_ tgt_DigPhsReasDiag_Per1_MotorVelMRF	Unfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_R$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechF	olarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivAteTest_Cnt_PDActivAte$	lgc tgt_DigPhsReasDiag_Per1_PDActivateTes	st_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 enun			
Trie_Call_Ap_Digit listreasDiag_tritliDiagnigi_Settr1CStatus(Status_Cit_1_enui	n) 0	0	✓
	n) 0 8192000	0 8192000	· ·
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	/ ·	-	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	8192000	8192000	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	8192000 16384000	8192000 16384000	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	8192000 16384000 9102375	8192000 16384000 9102375	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	8192000 16384000 9102375 83	8192000 16384000 9102375 83 ± 1	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	8192000 16384000 9102375 83	8192000 16384000 9102375 83 ± 1 1	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	8192000 16384000 9102375 83 1	8192000 16384000 9102375 83 ± 1 1	*
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	8192000 16384000 9102375 83 1 1	8192000 16384000 9102375 83 ± 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	8192000 16384000 9102375 83 1 1 0	8192000 16384000 9102375 83 ± 1 1 0	, , , , , , , , , , , , , , , , , , ,
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	8192000 16384000 9102375 83 1 1 0 0	8192000 16384000 9102375 83 ± 1 1 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	8192000 16384000 9102375 83 1 1 0 0 0	8192000 16384000 9102375 83 ± 1 1 0 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	8192000 16384000 9102375 83 1 1 0 0 0 0	8192000 16384000 9102375 83 ± 1 1 1 0 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 978	8192000 16384000 9102375 83 ± 1 1 0 0 0 0 0 0 0 978	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 978 0	8192000 16384000 9102375 83 ± 1 1 0 0 0 0 0 0 0 0 0 978 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 0 978 0 99	8192000 16384000 9102375 83 ± 1 1 0 0 0 0 0 0 0 0 978 0 99 ± 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 0 978 0 99 0,939999998	8192000 16384000 9102375 83 ± 1 1 1 0 0 0 0 0 0 0 0 978 0 99 ± 1 0.94	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 0 978 0 99 0.939999998 0	8192000 16384000 9102375 83 ± 1 1 1 0 0 0 0 0 0 0 0 978 0 99 ± 1 0.94 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 0 978 0 99 0.939999998 0	8192000 16384000 9102375 83 ± 1 1 1 0 0 0 0 0 0 0 0 978 0 99 ± 1 0.94 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 0 0 978 0 99 0,939999998 0 0	8192000 16384000 9102375 83 ± 1 1 1 0 0 0 0 0 0 0 978 0 99 ± 1 0.94 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	8192000 16384000 9102375 83 1 1 0 0 0 0 0 0 0 978 0 99 0.939999998 0 0 0	8192000 16384000 9102375 83 ± 1 1 1 0 0 0 0 0 0 978 0 99 ± 1 0.94 0 0	

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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 2.98 (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_LRPRAdjModldAComp_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	
	0	
	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	
	0.2	
	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	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	
	0	
	2	
	2	
	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	
	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_Igc.value	0	
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	V V V V V V V V V V V V V V V V V V V	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_		
	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	

Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	√ V
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	✓

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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 2.99 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	20
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.96
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_igc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
	3799
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	833
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29136.56314
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000
k_ErrorFiltKn_Cnt_u16	16056
k_ErrorThresh_Cnt_u32	133658
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	542
k_LowResPhsReas_Cnt_str.PStep	181
k_LowResPhsReas_Cnt_str.NStep	463
k_PhsReasEnableThresh_Cnt_u32	185422
k_PhsReasErrorTerm_Cnt_s16	7333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	52601
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	33035
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	199927
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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_EtxPkThaseadvanceCaptured_Cit_s10.value	4297
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	53978
	81044
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	955.9420398
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1 Att Dir Dhan Dirac Dard Franch (On Time A Ont 1999
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1 - 1 - 1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1 - 1 - 1 - 1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Control of the Con$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDOnTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasureDONTimeB_CnappersUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReasDiag_Per1_MeasUpsPhsReadDiag_Per1_MeasUpsPhsReadDiag_Pe$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarching and the property of the p$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison to the property of the pro$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	81920000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000	163840000	-
SVDiag_FilterSV_Cnt_M_s18p13[2]	185550000	185550000	~
SVDiag_HighResPhsReasDisable_M_u8	21	21 ± 1	-
SVDiag_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	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_Igc[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	~

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	✓

3799

3799

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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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DigPnsReasDiag_Per1			TAACITAG
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 k LowResPhsReas Cnt str.Threshold	1.193825126 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 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	21622		
0_ 0	-863.9827668 -1		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		eA Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	1 - 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptor and the property of the property o$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ MeasuredOnTimeA\ Cntrol of the control of the contro$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			1
Name	Actual Value	Expected 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 290415000	0 290415000	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	363018750	363018750	
SVDiag_FilterSV_Cnt_M_S16p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000	491520000	
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]	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] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_igc[u] SVDiag_PrevLRPRLowSector_Cnt_M_igc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3911	3911	
	[** *	[* * * * * ·	•



Τ				✓
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	~

	Input Value
	tgt_Rte_Inst_Ap_DigPhsReasDiag
	-81920
0	-163840
	-245760
9_ 0	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
	74
	2058.742029
0_ 0 0_	45875
	52429
	58982
	0.35
, , , , , , , , , , , , , , , , , , , ,	1
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1
0 = 2 = 2017	1
3	
= = = = = = = = = = = = = = = = = = = =	0
	0
	0
0_	4200
	44569
_ErrorThresh_Cnt_u32	193399
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	995.7055735
_LowResPhsReasMaxTol_Uls_f32	1.965117753
_LowResPhsReasMinTol_Uls_f32	1.248423994
_LowResPhsReas_Cnt_str.Threshold	377
_LowResPhsReas_Cnt_str.PStep	864
_LowResPhsReas_Cnt_str.NStep	507
PhsReasEnableThresh Cnt u32	158440
PhsReasErrorTerm_Cnt_s16	-3384
	187791
	34303
	176503
92 9 1 2 2	1
	0.329017401
	1
32 3 4 44 492 4 2	
	381
2 0 0	46947
	145198
	141867
	654.1441312
, = 0	-1
, = 0 0= = = = = = = = = = = = = = = = =	0
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	
	J_ J
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tot DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32



Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPo$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	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_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	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	~	

Τ				✓
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_LRPRAdjModldAComp_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_PhsReasEnableThresh_Cnt_u32	145967		
k_PhsReasErrorTerm_Cnt_s16	1046		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	114566		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103617		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	179242		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.62301743		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.489340723		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1304		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	8750		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99816		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142693		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	514.6435031		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_E	xpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_E	xpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_E	xpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_GateDriveResetActiv$	tgt_DigPhsReasDiag_Per1_G	ateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_L	RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_L	RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_L	RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_N	leasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_N	leasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarching and the property of the p$	tgt_DigPhsReasDiag_Per1_M	leasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_N	otorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_M	trElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_DigPhsRe$	tgt_DigPhsReasDiag_Per1_P	DActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

32 12 12 12 3 1 111 13 3 1 111 132 1 2 1	0 0 -		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.99000001	0.99	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4135	4135	•

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~





Test Step 2.103 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasI	Diag.	
: _ :	-8192000	nag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-16384000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-24576000		
SVDiag_FilterSV_Cnt_M_s18p13[2]			
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		
C LRPRMtrVelDiagEnable MtrRadpS T f32	367.4144168		
LowResPhsReasMaxTol Uls f32	2		
<pre>c_LowResPhsReasMinTol_Uls_f32</pre>	0.224149525		
k_LowResPhsReas_Cnt_str.Threshold	383		
<pre></pre>	394		
k_LowResPhsReas_Cnt_str.NStep	685		
k PhsReasEnableThresh Cnt u32	186741		
k_PhsReasErrorTerm_Cnt_s16	-9475		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	123485		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	45565		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeD_Cnt_u32.value	187029		
	187029		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value			
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value			
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	377		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	965		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	45324		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	93035		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	970.6926895		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTim	0_ 0		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTim			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTim	neC_Cnt_ tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveRese	tActive_(tgt_DigPhsReasDiag_Per1_Ga	teDriveResetActive_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrected	MtrPosC tgt_DigPhsReasDiag_Per1_LR	PRCorrectedMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulatio	nIndexC tgt_DigPhsReasDiag_Per1_LR	PRModulationIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadv	ranceCaı tgt_DigPhsReasDiag_Per1_LR	PRPhaseadvanceCaptured_Cnt_s16	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTir	neA_Cnt tgt_DigPhsReasDiag_Per1_Me	easuredOnTimeA_Cnt_u32	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTir	neB Cnt tgt_DigPhsReasDiag_Per1_Me	easuredOnTimeB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTir	neC_Cnt tgt_DigPhsReasDiag_Per1_Me	easuredOnTimeC_Cnt_u32	
igt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFU		otorVeIMRFUnfiltered_MtrRadpS_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPo			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest			
Name	Actual Value	Expected Value	Resu
Name Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_		82	IVear
Rte_Call_Ap_digPrisReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cft_1_e Rte_Call_Ap_digPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_1_e		0	
	- /	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T SVDiag_FilterSV_Cnt_M_s18p13f0l	_enum) 0 -8192000	-8192000	
	-0192000	-0.192000	

-8192000

-16384000

-20490000

63

-8192000

-16384000

-20490000

63 ± 1

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SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.0500000007	0.05	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4247	4247	~

Τ				V
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500
k_ErrorFiltKn_Cnt_u16	1574
k_ErrorThresh_Cnt_u32	151830
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
k_LowResPhsReasMaxTol_Uls_f32	1.715960026
k_LowResPhsReasMinTol_Uls_f32	1.025065541
k_LowResPhsReas_Cnt_str.Threshold	617
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	701
k_PhsReasEnableThresh_Cnt_u32	91850
k_PhsReasErrorTerm_Cnt_s16	7536
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	190000
$tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value$	57550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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_C	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Control of the property o$	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Onto a constraint of the const$	nt tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveRese$	e_(tgt_DigPhsReasDiag_Per1_GateDriveRese	tActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPc	sC tgt_DigPhsReasDiag_Per1_LRPRCorrected	dMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationInderset and the property of the property $	xC tgt_DigPhsReasDiag_Per1_LRPRModulation	onIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhasead	vanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_0	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Option{Additional Control of the Control o$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilter	ed_ tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	Infiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_Diag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_Diag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_Diag_Per1_MtrElecMechPolarity_Tgt_Rte_Inst_Ap_Diag_Per1_Diag_Per1_MtrElecMechPolArity_Tgt_Rte_Inst_Ap_Diag_Per1_MtrElecMechPolArity_Tgt_Rte_Inst_Ap_Diag_Per1_MtrElecMechPolArity_Tgt_Rte$	Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPo	plarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_	lgc tgt_DigPhsReasDiag_Per1_PDActivateTes	t_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_enur	n) 0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enur SVDiag_FilterSV_Cnt_M_s18p13[0]	n) 0 -3596682	0 -3596682	<i>y</i>
	/ ·	-	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	-3596682 -6235508	-3596682 -6235508	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	-3596682 -6235508 -7194938	-3596682 -6235508 -7194938	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	-3596682 -6235508 -7194938 47	-3596682 -6235508 -7194938 47 ± 1	~
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	-3596682 -6235508 -7194938 47	-3596682 -6235508 -7194938 47 ± 1	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	-3596682 -6235508 -7194938 47 1	-3596682 -6235508 -7194938 47 ± 1 1	, , , , , , , , , , , , , , , , , , ,
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	-3596682 -6235508 -7194938 47 1 0	-3596682 -6235508 -7194938 47 ± 1 1 0	•
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	-3596682 -6235508 -7194938 47 1 0	-3596682 -6235508 -7194938 47 ± 1 1 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	-3596682 -6235508 -7194938 47 1 0 0	-3596682 -6235508 -7194938 47 ± 1 1 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	-3596682 -6235508 -7194938 47 1 0 0 1 1	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 0 6026	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 0 6026	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 0 6026 32	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 0 6026 32	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 0 6026 32 87	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 0 6026 32 87 0.100000001	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001 0	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LRPRHshadvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 0 6026 32 87 0.100000001 0	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001 0 0	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1 0 0 0	
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPLowSector_Cnt_M_lgc[2] SVDiag_LRPRPRSAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRHowSector_Cnt_M_lgc[0]	-3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001 0 0 1	-3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1 0 0 0 1	

Т				V
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)		V
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	0.15	
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 Iqc[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 Igc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevERPRPhsAdvComp 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	
	701	
k_LowResPhsReas_Cnt_str.NStep k PhsReasEnableThresh Cnt u32	91850	
k PhsReasErrorTerm Cnt s16	7536	
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	190000	
0_ 0	57550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103157	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-118	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	78947	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	168212	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	71051	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	-90.65927643	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_		
tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (0	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCal		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	7 - 7 - 7 - 7 - 7	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	100 00 00 00 00 00 00 00 00 00 00 00 00	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		
Name	Actual Value Expected Value	Result

tgt_tte_inst_Ap_bigriisiteasbiag.bigriisiteasbiag_rei1_rbActivate1est_ciit_igt			D
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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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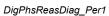
Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6000	6000	✓

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

Test Step 2.106 (Repeat Count = 1)	variation of the state of the s
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_LowNesr histoasbisable_iw_do 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_PraseOffset_Nev_M_dupTo[2] SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.6
·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	
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
c_ErrorFiltKn_Cnt_u16	1574
c_ErrorThresh_Cnt_u32	151830
C_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
C_LowResPhsReasMaxTol_Uls_f32	1.715960026
C_LowResPhsReasMinTol_Uls_f32	1.025065541
C_LowResPhsReas_Cnt_str.Threshold	617
C_LowResPhsReas_Cnt_str.PStep	348
C_LowResPhsReas_Cnt_str.NStep	701
<pre>c_PhsReasEnableThresh_Cnt_u32</pre>	91850
<pre>c_PhsReasErrorTerm_Cnt_s16</pre>	7536
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
	tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	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	380	380	~
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
0.00	1.	I.	1 .

T				V
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	✓

5900

1

5900

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_LRPRAdjModldAComp_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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DigPnsReasDiag_Peri			Taboliai
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 k_LowResPhsReas_Cnt_str.Threshold	949		
k_LowResPhsReas_Cnt_str.PStep	121		
k LowResPhsReas Cnt str.NStep	0		
k PhsReasEnableThresh Cnt u32	99226		
k_PhsReasErrorTerm_Cnt_s16	-6764		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	83956		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34128		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183141		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.171248913		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-621		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	160996		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	191407		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	141031		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-8.152146459		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	-1 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		A Cnt 1132	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	nceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt}$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			
Name	Actual Value	Expected Value	Resu
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] SVDiag_FilterSV_Cnt_M_s18p13[2]	23277046 27926049	23277046 27926049	
SVDiag_HighResPhsReasDisable_M_u8	31	31 ± 1	
SVDiag_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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_Igc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Crit_M_gc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4695	4695	
OVERUS_1 TOVERS ISS INSTRUMENTAL TO THE STATE OF THE STAT	1000	7000	



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	~

Fest Step 2.108 (Repeat Count = 1)	
lame	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
VDiag_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
VDiag_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
VDiag PrevLRPRLowSector Cnt M lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4900
ErrorFiltKn Cnt u16	43016
ErrorThresh_Cnt_u32	102734
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	93.23398137
LowResPhsReasMaxTol Uls f32	1.070433855
_LowResPhsReasMinTol_UIs_f32	1.36237514
_LowResPhsReas_Cnt_str.Threshold	700
_LowResPhsReas_Cnt_str.PStep	346
_LowResPhsReas_Cnt_str.NStep	1000
_PhsReasEnableThresh_Cnt_u32	75144
_PhsReasErrorTerm_Cnt_s16	-6219
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	195871
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	136639
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59205
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
pt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	328
at DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	51445
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Ont_u32.value	69660
gt_DigPhsReasDiag_Per1_MeasuredOnTimeb_Ont_us2.value	44494
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-277.5141727
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn	t_ltgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	C tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCi	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cr	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	
,	4 0 - 0 - 1 - 1 - 0 - 1 - 1 - 1 - 1 - 1 -



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3122088	-3122088	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6244176	-6244176	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	~
SVDiag_HighResPhsReasDisable_M_u8	62	62 ± 1	~
SVDiag_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	328	328	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.30000012	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	~

Т				✓
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	~

lame	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	0.35
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag_LRPRHighSector_Cnt_M_lgc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	1
VDiag_LRPRLowSector_Cnt_M_lgc[1]	1
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
VDiag_LRPRPhsAdvComp_Cnt_M_u16	4919
VDiag_LowPhReasErrorAcc_Cnt_M_u16	70
VDiag_LowResPhsReasDisable_M_u8	74
VDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737
VDiag_PhaseOffset_Rev_M_u0p16[0]	6554
VDiag_PhaseOffset_Rev_M_u0p16[1]	13107
VDiag_PhaseOffset_Rev_M_u0p16[2]	19661
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5000
_ErrorFiltKn_Cnt_u16	47864
_ErrorThresh_Cnt_u32	72396
_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_	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_MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CracketsPolarity_C$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igcommunity and the property of the pr$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	
Name	Actual Value Expected Value R	esul

tgt_rtto_mot_rtp_big. Hortodobildg.big. Hortodobildg_r or i_r britation oct_ont_igt	tgsig. Her tedes lag er i_r sy teartale i est_erit_ige		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.349999994	0.35	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	4919	4919	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 2.110 (Repeat Count = 1)	In the Webser		· ·	
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] SVDiag_FilterSV_Cnt_M_s18p13[2]	-163840000 -245760000			
SVDiag_FilterSV_Cnt_M_s18p13[2] 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 Igc[0]	0			
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0			
SVDiag_LRPRLowSector_Cnt_M_Igc[2]	0			
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5031			
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	164			
SVDiag_LowResPhsReasDisable_M_u8	39			
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	61785.91615			
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768			
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322			
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.8			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_u16	5100			
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 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	o A . Ont. 1/22		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	1 2 2 2			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1			
tgt_Rte_inst_Ap_bigPrisReasbiag.bigPrisReasbiag_Peri_ExpectedOfffineC_Crit tgt_Rte_inst_Ap_bigPrisReasbiag.bigPrisReasbiag_Peri_ExpectedOfffineC_Crit				
tgt_Rte_inst_Ap_DigPnsReasDiag.DigPnsReasDiag_Peri_GateDnveResetActive_ tgt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Peri_LRPRCorrectedMtrPost	0_ 0			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Perl LRPROoffectedintiPosition Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Perl LRPRModulationIndexC	1 2 2	·		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	0_ 0	. – –		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cn	. 0	<u> </u>		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn	9 9 9			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	1 2 2			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_C				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	1			
Name	Actual Value	Expected Value	Resul	
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		
SVDiag FilterSV Cnt M s18p13[0]	-43793750	-43793750		

-43793750

-87587500

-131381250

32

-43793750

-87587500

-131381250

32 ± 1

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SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_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_Igc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	✓

Τ				V
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)	ranger i de la companya de la compa
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_Cnt_M_f32	0.85
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5200
k_ErrorFiltKn_Cnt_u16	21417
k_ErrorThresh_Cnt_u32	59865
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	699.9366437
k_LowResPhsReasMaxTol_Uls_f32	0.004566371
k_LowResPhsReasMinTol_Uls_f32	1.783162415
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	717
k_LowResPhsReas_Cnt_str.NStep	477
k_PhsReasEnableThresh_Cnt_u32	69376
k_PhsReasErrorTerm_Cnt_s16	9834
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	16693
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171928
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	174651
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.707552671		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	143921		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	36819		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	46089		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-342.0281981		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_u	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	r tgt DigPhsReasDiag Per1 MtrElecMechPol	larity Cnt s08	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igo	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]	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 LRPRAdjModldAComp Cnt M f32	0.707552671	0.707552671	•
SVDiag LRPRHighSector Cnt M Igc[0]	1	1	
SVDiag LRPRHighSector Cnt M lgc[1]	0	0	V
SVDiag LRPRHighSector Cnt M lgc[2]	0	0	-
SVDiag LRPRLowSector Cnt M Igc[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 PrevLRPRAdjModldComp Cnt M f32	0.449999988	0.45	V
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag PrevLRPRHighSector Cnt M Igc[1]	0	0	-
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag PrevLRPRLowSector Cnt M Igc[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	
5.5.6957Ett 14 nortationip_ont_in_u10	00	00	

Т				V
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_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 Igc[1]	1	

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		1 1 2 1 6 1 6
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	
	91850	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	7536	
	116493	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	57550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103157	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
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_Igc.value	1 Let BirDha Basa Bira Bard Furranted Outline A Out 1900	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	0 0 0 0 0	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	7 7 7	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_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
ramo	Actual Value	Exposiou valuo	rtoouit
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5255	5255	✓

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

Test Sten 2 442 (Denset Count = 4)	
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 Igc[0]	0
SVDiag PrevERPRHighSector Cnt M Igc[1]	0
	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5400
k_ErrorFiltKn_Cnt_u16	65141
k_ErrorThresh_Cnt_u32	167447
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	272.7560112
k_LowResPhsReasMaxTol_Uls_f32	0.064098895
k_LowResPhsReasMinTol_Uls_f32	1.66252774
k_LowResPhsReas_Cnt_str.Threshold	553
k_LowResPhsReas_Cnt_str.PStep	254
k_LowResPhsReas_Cnt_str.NStep	686
k_PhsReasEnableThresh_Cnt_u32	15493
k_PhsReasErrorTerm_Cnt_s16	7785
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	145379
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	53377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	125101
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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_MeasuredOfffineC_cnt_ds2.value	-944.7037332
	1
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0 Let Dis Des Dess Dest Everested On Time A Cot v/22
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPnsReasDiag_Per1_GateDriveResetActive_Cnt_lgc





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptable and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	nceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUre$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-46713	-46713	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-93426	-93426	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-140139	-140139	✓
SVDiag_HighResPhsReasDisable_M_u8	97	97 ± 1	~
SVDiag_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_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	~

Τ				✓
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_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

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DigPhsReasDiag_Per1			MACIG	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5500			
k ErrorFiltKn Cnt u16	47864			
k ErrorThresh Cnt u32	72396			
k LRPRMtrVelDiagEnable MtrRadpS T f32	646.7417888			
k LowResPhsReasMaxTol Uls f32	0.334296048			
k_LowResPhsReasMinTol_Uls_f32	0.580176294			
k_LowResPhsReas_Cnt_str.Threshold	22			
k_LowResPhsReas_Cnt_str.PStep	836			
k_LowResPhsReas_Cnt_str.NStep	348			
k_PhsReasEnableThresh_Cnt_u32	119596			
k_PhsReasErrorTerm_Cnt_s16	2032			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRFRFriaseauvanceCap tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt		·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_				
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc				
Name	Actual Value	Expected Value		Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82		- TOOUIC
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		

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Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset				



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crange and the property of the proper$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_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_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	0.550000012	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_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_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_GateDriveResetActiv$	tgt_DigPhsReasDiag_Per1_0	SateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_L	.RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_L	.RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_L	.RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestate (Continuous Continuous Contin$	tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_N	NotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_N	/trElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrargered and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_DigPhsRe$	tgt_DigPhsReasDiag_Per1_F	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	10- 0 - 10- 10- 10- 10- 10- 10- 10- 10-		
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5479	5479	-

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓



Test Case 3: Path Test

```
Specification
```

```
Performance Metrics (With "None"
Instrumentation and WithPS Environment)
CPU Cycles:
TS3.1 5058.00 Cycles
TS3.2 5308.00 Cycles
TS3.2 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
TS3.8 520.00 Cycles
TS3.10 5057.00 Cycles
TS3.11 5019.00 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
   TS3.1 5058.00 Cycles
```

Description

```
Vector Description:
Vector Description:

TS3.1 "((True = PDActivateTest_Cnt_T_lgc) And (SVDiag_HighResPhsReasDisable_M_u8 < 100))=False

((TRUE == PDActivateTest_Cnt_T_lgc)=True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)

(MeasuredOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) =True OR

(ExpectedOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) =False)

(ErrorFiltOut_Cnt_T_s32[i] >= (isint32)k_ErrorThresh_Cnt_u32) =False

((-ErrorFiltOut_Cnt_T_s32[i]) >= (isint32)k_ErrorThresh_Cnt_u32) =True

((LRPRModldx_Uls_T_f32 < 0.0F)=True

((LRPRMtrPosNor_rev_T_u0p16[i] >= D_35DEG_REV_U0P16) && (LRPRMtrPosNor_rev_T_u0p16[i] <=D_355DEG_REV_U0P16))=True

((LRPRMtrPosNor_rev_T_u0p16[i] >= D_245DEG_REV_U0P16) && (LRPRMtrPosNor_rev_T_u0p16[i] <=D_355DEG_REV_U0P16))=True
```

```
TS3.2 "(SVDiag_HighResPhsReasDisable_M_u8 > 100U)=True (SVDiag_LowResPhsReasDisable_M_u8 > 100U)=True ((-ErrorFiltOut_Cnt_T_s32[i]) > (k_ErrorThresh_Cnt_u32)) =False (LRPRModIdx_Uls_T_f32 < 0.0F)=False (LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=False
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=False
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i]) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i]))=True
(ParamBits_Cnt_T_u08 == D_RESETDIGDIAGACTIVE_CNT_u08) =True
((TRUE == PDActivateTest_Cnt_T_lgc) = True && (SVDiag_HighResPhsReasDisable_M_u8 < 100U)=False)
(DiagFailed_m(SVDiag_LowPhReasErrorAcc_Cnt_M_u16, k_LowResPhsReas_Cnt_str) == TRUE) = True"
TS3.3 "((MeasuredOnTime_Cnt_T_u32[i] >= k_PhsReasEnableThresh_Cnt_u32) = False)
(LRPRPhaseadvanceCaptured_Cnt_T_s16 < (sint16)0U)=True
((TRUE ==SVDiag_PrevLRPRLowSector_Cnt_M_lgc[i] =True) && (TRUE ==SVDiag_LRPRLowSector_Cnt_M_lgc[i])=False)"
TS3.4 "
```

```
TS3.4 "

((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_HighResPhsReasDisable_M_u8 < 100U))=True

((TRUE == PDActivateTest_Cnt_T_lgc) && (SVDiag_LowResPhsReasDisable_M_u8 < 100U))=True

(((Abs_512_m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) = True&&

(((Abs_516_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16))

== (Abs_s16_m(PhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16))=False)"

TS3.5 (ErrorFiltOut_Cnt_T_s32[i] > ((sint32)k_ErrorThresh_Cnt_u32))=True

TS3.6 "(((float32)ExpectedOnTime_Cnt_T_u32[i] > LRPRHighLimit_Cnt_T_f32)) || ((float32)ExpectedOnTime_Cnt_T_u32[i] < (IRPRI) || (IRPRI) ||
```

TS3.6 "(((float32)ExpectedOnTime_Cnt_T_u32[i] > LRPRHighLimit_Cnt_T_f32) || ((float32)ExpectedOnTime_Cnt_LRPRLowLimit_Cnt_T_f32))=False
(((Abs_f32 m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
(((Abs_f32 m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
(((Abs_f32 m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
((TRUE == SetFaultCounter_Cnt_T_lgc) =False"
TS3.7 "(((Abs_f32 m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
(((Abs_f36 m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)))=True
(TRUE == SetFaultCounter_Cnt_T_lgc)=False"
TS3.8 "(SVDiag_HighPsepTsPasPasPisable_M_u8 > 100LN=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_LRPRAdjModldAComp_Cnt_M_f32	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[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_PrevLRPRAdjModIdComp_Cnt_M_f32	0		
SVDiag PrevLRPRHighSector Cnt M Igc[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		
	0		
k_LowResPhsReasMinTol_Uls_f32	0		
k_LowResPhsReas_Cnt_str.Threshold 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 -1		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value			
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	0		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value		A O-t ::00	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	1 - 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_C			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1 2 2	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.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	

tg_Ntc_mst_Ap_bigi harteablag.bigi harteablag_i chi_i bActivaterest_ont_ige	tgt_Digi hartcaablag_i chi_i DActivatc reat_	.ont_igo	
Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	~

T				V
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
	100
SVDiag_LowResPhsReasDisable_M_u8 SVDiag_MayNrCommOffVlta_Cat_M_f32	72000
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	
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	1118
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Ci	
-gp_sig. no. odobiog.big. not odobiog_t of t_ExposiodOfffillion_Of	

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Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Cnt_InstAp_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeC_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaputable and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasureDOnTimeB_Cnt_ReasDiag_Per1_MeasUreDONTimeB_Cnt_ReaDIAG_Per1_MeasUreDONTimeB_Cnt_ReaDIAG_Per1_MeasUreDONTimeB_DONTimeB_DONTimeB_DONTimeB_DONTimeB_DONTimeB_DONTimeB_DONTimeB_DONTimeB_DON$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRF$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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	~

2015-01-14, 13:32:58+0530



Name	Input Value	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	111	
k_ErrorFiltKn_Cnt_u16	30585	
k_ErrorThresh_Cnt_u32	66520	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	6.727024794	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	216	
k_LowResPhsReas_Cnt_str.PStep	845	
k_LowResPhsReas_Cnt_str.NStep	760	
k PhsReasEnableThresh Cnt u32	54635	
k PhsReasErrorTerm Cnt s16	7720	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	128811	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	29254	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	76895	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.649596095	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1355	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	169488	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	133502	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-506.9036557	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaր	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_MotorVeIMRFUnfiltered_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_lgc	
	Actual Value Expected Value	Result

Name	Actual Value	Expected 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_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]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4789	4789	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	65	65	✓
SVDiag_LowResPhsReasDisable_M_u8	84	84 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.100000001	0.1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100	100	~





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

Test Step 3.4 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag 819200
SVDiag_FilterSV_Cnt_M_s18p13[0]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2457600
SVDiag_FilterSV_Cnt_M_s18p13[2]	15
SVDiag_HighResPhsReasDisable_M_u8	0.2
SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_ERPRHighSector_Crit_M_gc[t] SVDiag_ERPRHighSector_Crit_M_gc[t]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Ont_M_igc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	175
SVDiag_LowResPhsReasDisable_M_u8	15
	41946.39624
SVDiag_MaxNrCommOffVltg_Cnt_M_f32 SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PriaseOffset_Rev_M_u0p16[2] SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PraseOffset_Rev_in_uup16[2] SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.12
SVDiag_PrevLRPRAdjiniodidComp_Cnt_M_is2 SVDiag_PrevLRPRHighSector_Cnt_M_igc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_FrevERPRHighSector_Cnt_M_gc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_W_gc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_gc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_gc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k ErrorFiltKn Cnt u16	29575
k_ErrorThresh_Cnt_u32	90315
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109
k_LowResPhsReasMaxTol_Uls_f32	0.714330018
k LowResPhsReasMinTol Uls f32	0.016816556
k_LowResPhsReas_Cnt_str.Threshold	362
k LowResPhsReas Cnt str.PStep	877
k_LowResPhsReas_Cnt_str.NStep	358
k_LowresPrisheas_Crit_sti.Notep k_PhsReasEnableThresh_Crit_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_ExpectedOnTimeD_Cht_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	-0.3402 T4036 -1072
tgt_DigPhsReasDiag_Per1_ERPRPhaseadvanceCaptured_Cht_s16.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Ont_us2.value	33061
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	26932 391.1978135
tgt_DigPhsReasDiag_Per1_MotorveliniRF0fillitered_MitRadpS_is2.value	-1
tgt_DigPhsReasDiag_Per1_MitElecwledrPolanty_Cnt_svo.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
igt_bigPrisReasblag_Per1_PDActivateTest_Crit_igc.value tgt_Rte_Inst_Ap_DigPhsReasDlag.DigPhsReasDlag_Per1_ExpectedOnTimeA_Crit	
igt_Rie_mst_Ap_bigPhsReasbiag.bigPhsReasbiag_Per1_expectedOnTimeA_Chi tgt_Rte_Inst_Ap_bigPhsReasbiag.bigPhsReasbiag_Per1_ExpectedOnTimeB_Chi	
igt_Rie_mst_Ap_bigPhsReasblag.bigPhsReasblag_Per1_expectedOnTimeb_Chi tgt_Rte_Inst_Ap_bigPhsReasblag.bigPhsReasblag_Per1_ExpectedOnTimeC_Chi	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	II IgI_DIGFTISTCEASDIAG_PELI_MEASUIEUOTTTIIIEC_CRT_U32

DigPhsReasDiag_Per1





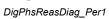
Input Value $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_DigPhsRea$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr-tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08$

gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_C	III_Igc Igi_DigFIIsReasDiag_Fei i_Fi	DACIIVale rest_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enu	ım) 82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u	08) 0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_er	num) 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	~
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	~

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_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	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	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Barrier and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag_Per1_GateDriveResetActive_Tgt_Rte_Inst_Ap_Diag$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexConstraints (Application of the Constraint of th$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTimeA$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpdates and the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_ApD_ApD_ApD_ApD_ApD_ApD_ApD_ApD_ApD$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igenerated and the property of the pro$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Resul
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	•

Name	Actual Value	Expected 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	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 3.6 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760		
SVDiag_HighResPhsReasDisable M u8	14		
SVDiag_Ingintesi histeasbisable_w_u0 SVDiag_LRPRAdjModldAComp_Cnt_M_132	0.4		
·- ·- ·	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]			
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		
C LRPRMtrVelDiagEnable MtrRadpS T f32	281.9371459		
k LowResPhsReasMaxTol Uls f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
<pre>c</pre>	631		
<pre>com/cos notcos_on_ost/models/ <_LowResPhsReas_Cnt_str.PStep</pre>	806		
<pre>com/cos no/cos_on_ottle ctop</pre> <pre><_LowResPhsReas_Cnt_str.NStep</pre>	303		
k PhsReasEnableThresh Cnt u32	129982		
<pre><_hardeneeringsite interest = one to be a content of the cont</pre>	9333		
	44112		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	15404		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value			
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193312		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1085		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	134783		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	24880		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	91783		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	335.8459432		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	1 1 1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		·	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	0_ 0		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt		·	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeD_Cnt			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOffTimeC_Cff gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	1		
gt_Rte_mst_Ap_bigPrisReasDiag.bigPrisReasDiag_Per1_iniotorveriiRFormitered_ igt_Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	1 1 1		
	32 2		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	

1268

-163840

-79384

15

1268

-163840

-79384

15 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	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	0.40000006	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	✓

Т				V
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_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	400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	101
SVDiag_LowResPhsReasDisable_M_u8	43
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43605.9814
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.14
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444
k_ErrorFiltKn_Cnt_u16	3187
k_ErrorThresh_Cnt_u32	88126
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.823276341
k_LowResPhsReas_Cnt_str.Threshold	677
k_LowResPhsReas_Cnt_str.PStep	248
k_LowResPhsReas_Cnt_str.NStep	802
k_PhsReasEnableThresh_Cnt_u32	75942
k_PhsReasErrorTerm_Cnt_s16	-9420
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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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_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	-268.5858883			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output Performance (Application of the Control of th$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulatio	nIndexCaptured_Uls_f32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplayed and the property of the $	tgt_DigPhsReasDiag_Per1_MeasuredOnTir	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredDiscrete and the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTir	neB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTir	neC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	tgt_DigPhsReasDiag_Per1_MotorVelMRFU	nfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_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[□				

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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 Iqc[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	
	2	
k_LowResPhsReasMaxTol_Uls_f32 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 k_PhsReasErrorTerm_Cnt_s16	200000	
	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
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_Igc.value	1 Let BirDh-Dan-Dine Bord FormattedOnTime A Ont 1900	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1 - 1 - 1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	1 2 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected 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	~

Fest Step 3.9 (Repeat Count = 1)	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
	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	60
SVDiag_HighResPhsReasDisable_M_u8	
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
VDiag_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
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_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
_ErrorFiltKn_Cnt_u16	0
_ErrorThresh_Cnt_u32	0
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
LowResPhsReasMaxTol_Uls_f32	0
LowResPhsReasMinTol Uls f32	0
LowResPhsReas_Cnt_str.Threshold	0
LowResPhsReas_Cnt_str.PStep	0
_LowResPhsReas_Cnt_str.NStep	0
PhsReasEnableThresh Cnt u32	0
PhsReasErrorTerm Cnt s16	-10000
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	260000
	0
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
pt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1118
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_u	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_0	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	~
SVDiag_HighResPhsReasDisable_M_u8	61	61 ± 1	•
SVDiag_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				V
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)	v
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_MaxNrCommOffVItg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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DigPnsReasDiag_Per1			MACICAL
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 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_Igc.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_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_CateDriveResetActive_(
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_I$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets and the property of the prop$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	100	100 ± 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 lqc[0]	0	0	•
SVDiag LRPRLowSector Cnt M lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	~



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

est Step 3.11 (Repeat Count = 1)	
lame	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	81920000
VDiag_FilterSV_Cnt_M_s18p13[1]	163840000
VDiag_FilterSV_Cnt_M_s18p13[2]	245760000
VDiag_HighResPhsReasDisable_M_u8	86
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.6
VDiag_LRPRHighSector_Cnt_M_lgc[0]	0
VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag_LRPRHighSector_Cnt_M_lgc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag_LRPRLowSector_Cnt_M_lgc[1]	0
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	600
VDiag_LowPhReasErrorAcc_Cnt_M_u16	148
VDiag_LowResPhsReasDisable_M_u8	7
VDiag_MaxNrCommOffVltg_Cnt_M_f32	52723.80765
VDiag_PhaseOffset_Rev_M_u0p16[0]	13763
VDiag_PhaseOffset_Rev_M_u0p16[1]	14418
VDiag_PhaseOffset_Rev_M_u0p16[2]	15073
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.16
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666
_ErrorFiltKn_Cnt_u16	38736
_ErrorThresh_Cnt_u32	24719
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	96.50065869
LowResPhsReasMaxTol Uls f32	1.28630358
LowResPhsReasMinTol Uls f32	0.016717136
LowResPhsReas_Cnt_str.Threshold	832
LowResPhsReas Cnt str.PStep	475
LowResPhsReas_Cnt_str.NStep	922
_PhsReasEnableThresh_Cnt_u32	91581
_PhsReasErrorTerm_Cnt_s16	6983
pt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	132815
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	199985
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	82632
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.785672545
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1095
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	194888
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	151708
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	185464
pt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-93.66532731
at_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
pt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_0	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_0	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_0	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActiv	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPo	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInde	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	Cal tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
LEVEL AND DE DE DE DE DE DE LA LA LIGHTE DE	Cnt tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crange and the property of the proper$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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_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_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)	taran da araba da ar
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_LRPRAdjModldAComp_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_PrevLRPRAdjModldComp_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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ClowResPhsReas Cnt, str Chreshold 91	Name	Input Value		
CLOWResPhsReas_Cnt_str.Threshold	k_LowResPhsReasMaxTol_Uls_f32	2		
LowResPhsReas_Cnt_str.PStep LowResPhsReas_Cnt_str.NStep LowResPhsReas_Cnt_str.NStep Sprage LowResPhsReas_Cnt_str.NStep Sprage LowResPhsReas_Cnt_str.NStep Sprage LowResPhsReas_Cnt_str.NStep Sprage LowResPhsReas_Cnt_str.NStep Sprage Sp	k_LowResPhsReasMinTol_Uls_f32	0.138592422		
ClowResPhsReasCnt_str.NStep	k_LowResPhsReas_Cnt_str.Threshold	91		
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gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_us2.value 193562 gt_DigPhsReasDiag_Per1_LRPRROcrrectedMtrPosCaptured_Rev_f32.value 0.793977022 gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uis_f32.value 0.153545499 gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value 520 gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_us2.value 164452 gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_us2.value 32449 gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_us2.value 32449 gt_DigPhsReasDiag_Per1_MetorVelMRFUnfiltered_MtrRadpS_f32.value 32449 gt_DigPhsReasDiag_Per1_MetorVelMRFUnfiltered_MtrRadpS_f32.value 32449 gt_DigPhsReasDiag_Per1_MetorVelMRFUnfiltered_MtrRadpS_f32.value 32449 gt_DigPhsReasDiag_Per1_MetorVelMRFUnfiltered_MtrRadpS_f32.value 32449 gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 32449 gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 32449 gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value 32449 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ 122 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ 122 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ 122 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRROdulationIndexCaptured_Cnt_s12 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRROdulationIndexCaptured_Cnt_s12 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_ 122 gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnT	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310		
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gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value gt_DigPhsReasDiag_Per1_MotorVellMRFUnfiltered_MtrRadpS_f32.value gt_DigPhsReasDiag_Per1_MotorVellMRFUnfiltered_mtrRadpS_f32.value gt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ gt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value gt_DigPhsReasDiag_Per1_Metrileterd_MtrRadpS_f32.value gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_ gt_Rte_Inst_Ap_DigPh	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499		
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gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCat tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCat tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasD	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Others and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCar gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_DActivateTest_Cnt_lgc	tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	/trPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u3	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32 gt_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_Crt tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasD$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
gt_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	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntologers and the property of the proper$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32 gt_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	$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntracking} \\$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
gt_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	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_MotorVelMRFUnfi$	d_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
	$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPo$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
Name Actual Value Expected Value Result	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateTest_Cnt_lgct_rest_ReasDiag_Per1_PDActivateT$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
	Name	Actual Value	Expected Value	Result

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.150000006	0.15	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1400	1400	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	✓





Test Step 3.13 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000		
	-245760000		
SVDiag_FilterSV_Cnt_M_s18p13[2]			
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.53		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag PrevLRPRLowSector Cnt M lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4773		
E_ErrorFiltKn_Cnt_u16	25034		
	53633		
x_ErrorThresh_Cnt_u32			
<pre>C_LRPRMtrVelDiagEnable_MtrRadpS_T_f32</pre>	345.946146		
<pre>c_LowResPhsReasMaxTol_Uls_f32</pre>	1.9973858		
c_LowResPhsReasMinTol_Uls_f32	2		
C_LowResPhsReas_Cnt_str.Threshold	911		
<pre>c_LowResPhsReas_Cnt_str.PStep</pre>	366		
<pre>c_LowResPhsReas_Cnt_str.NStep</pre>	439		
c_PhsReasEnableThresh_Cnt_u32	87021		
C_PhsReasErrorTerm_Cnt_s16	4774		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	195079		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	149367		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	99615		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-543		
gt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	174063		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	133658		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Ont_u32.value	43266		
gt_DigPhsReasDiag_Per1_MeasuredOn1lineC_Ont_usz.value gt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	-144.6736574		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	4.04.00	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cni			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_		Active_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulatio	nIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	ar tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cr			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	· · · · · · · · · · · · · · · · · · ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg 			
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
	-	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)		0	

191520

9486664

100

-67058556

191520

-67058556

9486664

100 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

2015-01-14, 13:32:58+0530



Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	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	0.43999998	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	~

Т				V
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 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000
k_ErrorFiltKn_Cnt_u16	21474
k_ErrorThresh_Cnt_u32	87498
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	1.684043169
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	817
k_LowResPhsReas_Cnt_str.NStep	832
k_PhsReasEnableThresh_Cnt_u32	137672
k_PhsReasErrorTerm_Cnt_s16	4047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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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	tat DiaPhsReasDiag Per1 ExpectedOnTim	eA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPost			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	32 2		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	. 0_ 0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cr	, , , , , , , , , , , , , , , , , , ,		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Ig	· - · -		
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	- Nooule
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	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 LRPRAdjModldAComp Cnt M f32	0.100000001	0.1	V
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_ERPRLowSector 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	V
SVDiag LowResPhsReasDisable M u8	61	61 ± 1	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.829999983	0.83	-
SVDiag PrevLRPRHighSector Cnt M Igc[0]	1	1	
SVDiag_PrevERPRHighSector_Cnt_M_lgc[1]	1	1	-
SVDiag_PrevERPRHighSector_Cnt_M_lgc[2]	1	1	
SVDiag_FlevERFRiighSector_Cnt_M_lgc[0]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_gc[0] SVDiag_PrevLRPRLowSector_Cnt_M_gc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	-
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2343	2343	
	LUTU	40 1 0	*

_				
Т				✓
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_LRPRAdjModldAComp_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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		112 10110
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 Igc[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	
	174513	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	-1137	
	103120	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	16517	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	121991	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	1 2 2 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected 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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.89999976	0.9	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

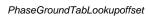
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag PrevLRPRPhsAdvComp Cnt M u16	900	900	✓

Τ				V
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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 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= -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT)\StdDeftinclude -l\$(PROJECTROOT) \SVDiag\utp\contract -l\$(PROJECTROOT)\SVDiag\utp\contract\Ap_DigPhsReasDiag -l\$(Compiler Install Path)\include

Name	Text
Module 'DigPhsReasDiag'	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: 0.1-14-2015 Comments: Mote: 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"" 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 ""DhaseGroundTabLookupoffset"" 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls

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PhaseGroundTabLookupoffset

Attributes	
Name	Value
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	
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



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)			V
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	✓



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

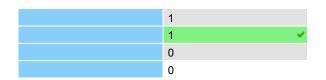
Test Step 3.1 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	✓
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	~

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 %



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

Module 'DigPhsReasDiag'	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): 30 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	

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 Project
 CBD_SVDiag

 Module
 DigPhsReasDiag

 Test Object
 DigPhsReasDiag_Trans1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\S\Diag\utp\contract -I\$(PROJECTROOT)\

Name	Text
Module 'DigPhsReasDiag'	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 Vrye: Excel Macro Model Vrye: 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

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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	



DigPhsReasDiag_Trans1

Test Case 1: Boundary Test

Specification

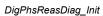
Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 17.00 Cycles

Vector Description 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	•

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 Project
 CBD_SVDiag

 Module
 DigPhsReasDiag

 Test Object
 DigPhsReasDiag_Init

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✓
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT) \SVDiag\utp\contract\Ap_DigPhsReasDiag -I\$(Compiler Install Path)\include

Name	Text
Module 'DigPhsReasDiag'	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: 21 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

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DigPhsReasDiag_Init

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 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	500		
t_CommOffsetTblY_Cnt_u16[1]	600			
Name	Actual Value	Expected Value	Result	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15840	15840 ± 1	✓	

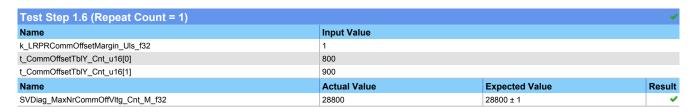
Test Step 1.4 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
t_CommOffsetTblY_Cnt_u16[0]	100		
t_CommOffsetTblY_Cnt_u16[1]	200		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2880	2880 ± 1	

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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DigPhsReasDiag_Init



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	✓