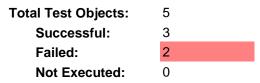
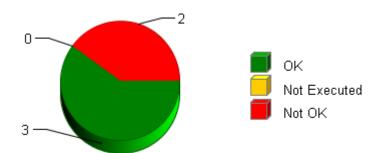


Summary

Overall Test Object Results (including Coverage)



Date: 2015-01-14 **Time:** 13:35:25+0530



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

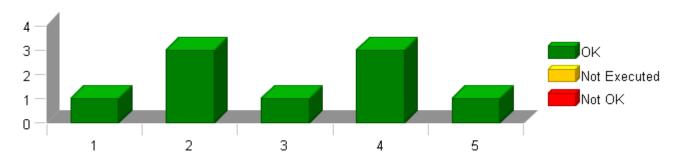
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Decision Coverage, Multiple Condition Coverage

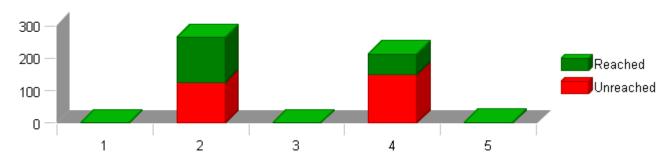
Test Case Results for Each Test Object (without Coverage)



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).

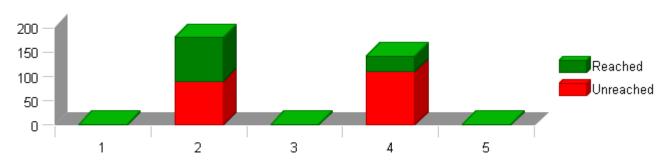


Statement (C0) Coverage: Total Statements for Each Test Object



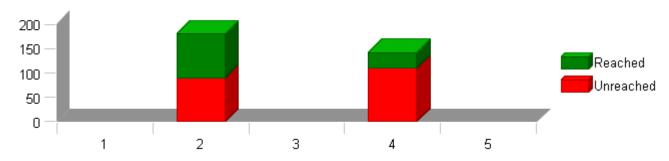
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

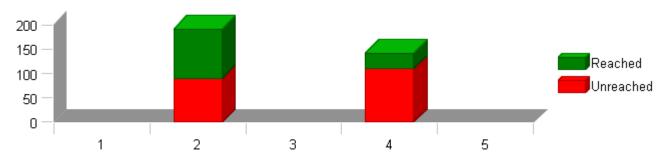


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



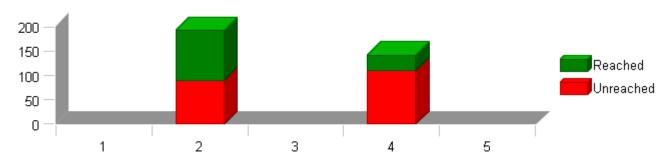
MC/DC Coverage: Total Condition Combinations for Each Test Object



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 OVERVIEW REPORT

2015-01-14, 13:35:25+0530



Test Object List

Project CBD_SVDiag

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	CBD_SVDiag	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	×
	CBD_UnitTest	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	×
	DigPhsReasDiag	42.61 %	38.46 %	37.88 %	40.11 %	40.29 %	9 of 9 passed	×
1	<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	DigPhsReasDiag Trans1	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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2015-01-14, 13:32:58+0530





 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	arget Environment TI TMS 570 PLS UDE (Default)	
Kind of Test	d 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	\$(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			

DigPhsReasDiag_Per1

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





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



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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	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.DigPhsReasDiag_Per1_GateDriveResetActive_C	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	asDiag_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	_Per1_LRPRPhaseadvanceCa _l tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	eB_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$.Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_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_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechI		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	~	
Die Cell An DieDhe Dese Dien Niete Die Mary Coth TOO to to (Deserte Oct To 100)	04	0.4		

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)	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	•

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~	
Read_CountToRev	3	Read_CountToRev	3	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	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

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



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_Cnnotes and the property of the property $	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	✓

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



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	•
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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

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



Test Case 2: Boundary Test

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



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

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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReadDiag_Per1_GateDriveResetActive_Inst_ApD_DigPhsReadDiag_Per1_GateDriveResetAc$	tgt_bigPriskeasblag_Peri_GatebriveResetActive_Cnt_lgc





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedM	tgt_DigPhsReasDiag_Per1_L	RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation$	IndexC tgt_DigPhsReasDiag_Per1_L	RPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadva	nceCar tgt_DigPhsReasDiag_Per1_L	RPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime	eA_Cnt_tgt_DigPhsReasDiag_Per1_M	leasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime	eB_Cnt tgt_DigPhsReasDiag_Per1_M	leasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimestate (Control of the Control of the Control$	eC_Cnt tgt_DigPhsReasDiag_Per1_M	leasuredOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnf	filtered tgt_DigPhsReasDiag_Per1_M	lotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity = 0.0000000000000000000000000000000000$	rity_Cr tgt_DigPhsReasDiag_Per1_M	ItrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Option{ $	Cnt_lgc tgt_DigPhsReasDiag_Per1_P	DActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_en	ium) 82	82	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_interpretation) and the properties of the properties o$	u08) 106	106	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_error and Status_Cnt_T_error and Status_Cnt_T_e$	enum) 1	1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✓
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✓
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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

Test Step 2.2 (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	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[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 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_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 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_(\\ tgt_DigPhsReasDiag_Per1_GateDriveResetActive_(\\ t$ 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	~



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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
3_	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_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]	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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.12
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k_ErrorFiltKn_Cnt_u16	29575
k_ErrorThresh_Cnt_u32	90315
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109

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



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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_C$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntails (App_DigPhsReasDiagDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsRead$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_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 Resu

tgto_motp_big. not todoblog.big. not todoblogtott by tott diction_orgr	tgt_D.g. nortodoblag ort Driotratoroot_ontgo			
Name	Actual Value	Expected 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	✓	

Test Step Call Trace			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 2.5 (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

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

DigPhsReasDiag_Per1

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



Actual Value **Expected Value** SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] 1 1 SVDiag_LRPRLowSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 5578 5578 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 81 81 ± 1 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 0.300000012 0.3 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] n n SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 1 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] 1 1

Test Step Call Trace				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	~

1

300

1

300

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

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



Name	Input Value		
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.285947561		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-198		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	29839		
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	31276		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-268.5858883		
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_u	Cnt tat DiaPhsReasDiag Per1 ExpectedOnTin	neA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrP			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationInde		·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	32 2	. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_	. 0		
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 Cnt		,	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum		82	- TOOUIC
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08	'	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	, -	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	V
SVDiag LRPRHighSector Cnt M Igc[0]	1	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag LRPRHighSector Cnt M lgc[2]	0	0	
SVDiag_LRPRLowSector_Cnt_M_gc[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 PrevLRPRAdjModldComp Cnt M f32	0.400000006	0.4	-
SVDiag_PrevERPRHighSector Cnt M Igc[0]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	-
SVDiag_PrevLRPRHighSector_Cnt_M_igc[1] SVDiag_PrevLRPRHighSector_Cnt_M_igc[2]	1	1	
	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	400	400	
OVERNO FIEVERFREISMUVGUIID GIII IVI UTD	11 00	" †UU	₩

Test Step Call Trace				
	Count	Ermanted Function	Caunt	Daguit
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



		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	~

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



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	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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



600



DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorre	ectedMtrPosC tgt_DigPhsReasDiag_Per	r1_LRPRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModu	ulationIndexC tgt_DigPhsReasDiag_Per	r1_LRPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhase	eadvanceCar tgt_DigPhsReasDiag_Per	r1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredCommunications and the property of the property o$	OnTimeA_Cnt tgt_DigPhsReasDiag_Per	r1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredCompact $	OnTimeB_Cnt tgt_DigPhsReasDiag_Per	r1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredCompact $	OnTimeC_Cnt tgt_DigPhsReasDiag_Per	r1_MeasuredOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMl	RFUnfiltered tgt_DigPhsReasDiag_Per	r1_MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMediag.DigPhsReadDiag_Per1_MtrElecMediag.DigPhsR$	chPolarity_Cr tgt_DigPhsReasDiag_Per	r1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivated and the property of the prope$	Test_Cnt_lgc tgt_DigPhsReasDiag_Per	r1_PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_	_T_enum) 82	82	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_CallApDAGNACAADAADAADAADAADAADAADAADAADAADAADAADAA$	nt_T_u08) 0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Ci	nt_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	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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

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				
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		~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	
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]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	90
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.8
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
sVDiag_LRPRPhsAdvComp_Cnt_M_u16	800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	461
SVDiag_LowResPhsReasDisable_M_u8	84
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	46417.78231
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag PhaseOffset Rev M u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.18
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_PrevERVRLowSector_Ont_M_igc[1]	0
	888
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	
_ErrorFiltKn_Cnt_u16	30756 160747
_ErrorThresh_Cnt_u32	
_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
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_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	
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_Cr	
goet i_weasuredontilled_cl	. 132-3. Not read blug_f of f_medical ed of fillion_Off_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_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]	-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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.19
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	999
k_ErrorFiltKn_Cnt_u16	21879
k_ErrorThresh_Cnt_u32	16095
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	472.253751

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



Name	Input Value	
k_LowResPhsReasMaxTol_Uls_f32	2	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	739	
k_LowResPhsReas_Cnt_str.PStep	702	
k_LowResPhsReas_Cnt_str.NStep	305	
k_PhsReasEnableThresh_Cnt_u32	174513	
k_PhsReasErrorTerm_Cnt_s16	-1137	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	121991	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ExpectedOnTim$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ExpectedOnTim$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	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_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDi$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSDIAGERSD$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value R	esult

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	-819200	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	-2457600	✓
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	✓
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5345	5345	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	307	307	✓
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.899999976	0.9	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag PrevLRPRPhsAdvComp Cnt M u16	900	900	✓

Test Step Call Trace				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 2.12 (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	132972		
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	· - · - · - · - · - · - · - · - · - ·		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$			
${\tt tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Inst_Ap_Diag_Per1_ExpectedOnTimeC_Inst_Ap_D$	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 the property of $	lexC tgt_DigPhsReasDiag_Per1_LRPRModul	ationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhase advanced by the property of the$	eCai tgt_DigPhsReasDiag_Per1_LRPRPhase	advanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhs$	_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOr	nTimeA_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOr	nTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeCpt_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	_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_enu 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

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



Name	Actual Value	Expected Value	Result
		•	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	~

Test Step Call Trace				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_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	731
SVDiag_LowResPhsReasDisable_M_u8	66
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	71258.04782
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.21
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1221
k_ErrorFiltKn_Cnt_u16	46349
k_ErrorThresh_Cnt_u32	9915
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	827.6518477
k_LowResPhsReasMaxTol_Uls_f32	0.089262128
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	420
k_LowResPhsReas_Cnt_str.PStep	397
k_LowResPhsReas_Cnt_str.NStep	203
k_PhsReasEnableThresh_Cnt_u32	92851
k_PhsReasErrorTerm_Cnt_s16	-4377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	71843
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	117742
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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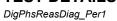
DigPhsReasDiag_Per1

Name	Input Value		
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.969902456		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	862		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	66396		
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	367		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	67091		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-79.46468693		
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_C	nt tot DigPhsReasDiag Per1 ExpectedOnTin	neA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB C	1 - 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPo			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationInde		·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance(32 3	. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_0	Cnt tgt DigPhsReasDiag Per1 MeasuredOnTir	meA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB (
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_0	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTir	meC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltere	ed_tgt_DigPhsReasDiag_Per1_MotorVelMRFU	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_	Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPo	plarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_	lgc tgt_DigPhsReasDiag_Per1_PDActivateTest	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	✓
		82 64	· ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun	64	64	·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun SVDiag_FilterSV_Cnt_M_s18p13[0]	64 1	64 1	~
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 SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	64 1) 1 -1044507	64 1 -1044507	\(\frac{1}{2}\)
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	64 1) 1 -1044507 -6389760	64 1 -1044507 -6389760	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	64 1) 1 -1044507 -6389760 -2135363	64 1 -1044507 -6389760 -2135363	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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	64 1) 1 -1044507 -6389760 -2135363 79	64 1 -1044507 -6389760 -2135363 79 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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_LRPRHighSector_Cnt_M_lgc[0]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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[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]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420	
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Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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[1] 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] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModldComp_Cnt_M_lgc[0]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420 67 0.119999997	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420 67 ± 1 0.12	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHosector_Cnt_M_lgc[2] SVDiag_LRPRHosector_Cnt_M_lgc[2] SVDiag_LRPRHosesErrorAcc_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[0]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420 67 0.119999997 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420 67 ± 1 0.12	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHosector_Cnt_M_lgc[2] SVDiag_LRPRHosesEtor_Cnt_M_lgc[2] SVDiag_LRPRHoseSetor_Cnt_M_lgc[2] SVDiag_LRPRHoseSetor_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_DerevLRPRAdjModldComp_Cnt_M_632 SVDiag_PrevLRPRAdjModldComp_Cnt_M_[gc[0]] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420 67 0.119999997 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420 67 ± 1 0.12 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] 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_PrevLRPRHighSector_Cnt_M_lgc[2]	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420 67 0.119999997 1 1 1	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420 67 ± 1 0.12 1 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enun 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_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRDAdvComp_Cnt_M_u16 SVDiag_LOwPhReasErrorAcc_Cnt_M_u16	64 1) 1 -1044507 -6389760 -2135363 79 0.969902456 1 0 0 0 1 862 420 67 0.119999997 1 1 1 0	64 1 -1044507 -6389760 -2135363 79 ± 1 0.969902456 1 0 0 0 1 862 420 67 ± 1 0.12 1 1	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	_

Test Step 2.14 (Repeat Count = 1)		<u> </u>
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	3	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.13	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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





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	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	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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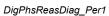


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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1200	1200	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	-

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	13
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.14
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	332
SVDiag_LowResPhsReasDisable_M_u8	12
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	56980.60973
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.23
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag PrevLRPRLowSector Cnt M lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1443
k ErrorFiltKn Cnt u16	13602
k_ErrorThresh_Cnt_u32	78762
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	939.4107432
k LowResPhsReasMaxTol Uls f32	1.641180038
k LowResPhsReasMinTol Uls f32	1.834032655
	1.634032033
k_LowResPhsReas_Cnt_str.Threshold	564
k_LowResPhsReas_Cnt_str.PStep	719
k_LowResPhsReas_Cnt_str.NStep	
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_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	-673.0851354
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cappa$	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cappace and the property of the property $	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	tnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive	e (tot DigPhsReasDiag Per1 GateDriveResetActive Cnt loc





Name	Input Value		
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	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_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_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cappack and the property of the prope$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Ignition{ $	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected 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_PrevLRPRAdjModldComp_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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	-
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	~

1300

1300

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

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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



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	1			
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 un)	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		~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

ame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
VDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
VDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
/Diag_HighResPhsReasDisable_M_u8	26
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.16
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
/Diag_LRPRPhsAdvComp_Cnt_M_u16	1500
/Diag_LowPhReasErrorAcc_Cnt_M_u16	22
VDiag_LowResPhsReasDisable_M_u8	49
	61253.089
/Diag_MaxNrCommOffVltg_Cnt_M_f32	
/Diag_PhaseOffset_Rev_M_u0p16[0]	26214
/Diag_PhaseOffset_Rev_M_u0p16[1]	32768
/Diag_PhaseOffset_Rev_M_u0p16[2]	39322
/Diag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25
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	1665
ErrorFiltKn_Cnt_u16	30767
ErrorThresh_Cnt_u32	118547
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	690.3250314
LowResPhsReasMaxTol Uls f32	0.620892406
LowResPhsReasMinTol Uls f32	0.114622593
LowResPhsReas_Cnt_str.Threshold	189
LowResPhsReas Cnt str.PStep	782
LowResPhsReas_Cnt_str.NStep	766
PhsReasEnableThresh Cnt u32	199085
	-9005
PhsReasErrorTerm_Cnt_s16	
t_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	176881
t_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	170405
t_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173719
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46397841
t_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.478393734
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-729
t_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	126502
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	116820
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	135742
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1108.76076
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
t_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	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	32 2 3
t_Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_ExpectedOffTimeC_Off_ t Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_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_LRPRPhaseadvanceCap	
DI LIA DIDI DI D	
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_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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	<u> Parangan kanggaran kanggaran kanggaran kanggaran kanggaran kanggaran kanggaran kanggaran kanggaran kanggaran</u>
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.26
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1776
k_ErrorFiltKn_Cnt_u16	8156
k_ErrorThresh_Cnt_u32	179329
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	32.30347759

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



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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Polarity = 0.0000000000000000000000000000000000$	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

Name	Actual Value	Expected 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_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1600	1600	✓

Test Step Call Trace				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 2.19 (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

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



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	✓

Test Step Call Trace				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)	van de la companya d
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_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1800
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	715
SVDiag_LowResPhsReasDisable_M_u8	83
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	25220.92133
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.28
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1998
k_ErrorFiltKn_Cnt_u16	32739
k_ErrorThresh_Cnt_u32	125914
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	462.1439423
k_LowResPhsReasMaxTol_Uls_f32	1.866672814
k_LowResPhsReasMinTol_Uls_f32	0.772163808
k_LowResPhsReas_Cnt_str.Threshold	710
k_LowResPhsReas_Cnt_str.PStep	458
k_LowResPhsReas_Cnt_str.NStep	209
k_PhsReasEnableThresh_Cnt_u32	142342
k_PhsReasErrorTerm_Cnt_s16	-277
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48474
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	4821
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	124280
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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



Digi fisheasDiag_r eri			
Name	Input Value		
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.923490286		
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-841		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	47977		
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	40766		
tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	26689		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	474.0941501		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	A_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	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.DigPhsReasDiag_Per1_GateDriveResetActive_(tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	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 LRPRPhaseadvanceCar	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	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_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]	3686400	3686400	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	2334720	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	~
SVDiag_HighResPhsReasDisable_M_u8	23	23 ± 1	~
SVDiag_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	5303	5303	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	506	506	~
SVDiag_LowResPhsReasDisable_M_u8	84	84 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.189999998	0.19	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1800	1800	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



		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 lgc[2]	0	
SVDiag PrevLRPRLowSector Cnt M lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	2109	
k_ErrorFiltKn_Cnt_u16	54788	
k_ErrorThresh_Cnt_u32	147571	
k LRPRMtrVelDiagEnable MtrRadpS T f32	919.0140423	
k_LowResPhsReasMaxTol_Uls_f32	0.924155831	
k LowResPhsReasMinTol Uls f32	0.221476793	
	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CDIMETER_CDIRECTURE The substitution of the property of t$		
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	~

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

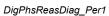


Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1900	1900	~

Test Step Call Trace				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	~

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
SVDiag_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

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrP	osC tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInderstand (Section 1) and (Section 2) and $	exC tgt_DigPhsReasDiag_Per1_LRPRModulati	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_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_	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfilte	red tgt_DigPhsReasDiag_Per1_MotorVelMRFt	Jnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechP	olarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_	_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) 64	64	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	m) 1	1	_
SVDiag_FilterSV_Cnt_M_s18p13[0]	10474500	10474500	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	13093125	13093125	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	15711750	15711750	~
SVDiag_HighResPhsReasDisable_M_u8	63	63 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.333152056	0.333152056	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3440	3440	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	533	533	~
SVDiag_LowResPhsReasDisable_M_u8	23	23 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.209999993	0.21	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[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	~

Test Step Call Trace ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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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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

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



Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2331		
k_ErrorFiltKn_Cnt_u16	54788		
k_ErrorThresh_Cnt_u32	147571		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	919.0140423		
k_LowResPhsReasMaxTol_Uls_f32	0.924155831		
k_LowResPhsReasMinTol_Uls_f32	0.221476793		
k_LowResPhsReas_Cnt_str.Threshold	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcdapperspace and the property of the$	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	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Polarity_Cracket Polarity_C$	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]	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_Igc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2200	2200	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	Maria de la companya
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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_$	tgt_DigPhsReasDiag_Per1_Expecte	edOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ReaD_Cnt_ReaD_Cnt_ReaD_Cnt_ReaD_Cnt$	tgt_DigPhsReasDiag_Per1_Expecte	edOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigP$	tgt_DigPhsReasDiag_Per1_Expecte	edOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Constraints and the property of the $	tgt_DigPhsReasDiag_Per1_GateDri	veResetActive_Cnt_lgc	
${\tt tgt} \ \ {\tt Rte} \ \ {\tt Inst} \ \ {\tt Ap} \ \ {\tt DigPhsReasDiag.DigPhsReasDiag} \ \ {\tt Per1} \ \ {\tt LRPRCorrectedMtrPosCor$	tgt_DigPhsReasDiag_Per1_LRPRC	orrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRM	odulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPl	haseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_R$	tgt_DigPhsReasDiag_Per1_Measure	edOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Diag_Per1_MeasureDONTimeB_Cnt_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_Measure	edOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_Measure	edOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfilte$	tgt_DigPhsReasDiag_Per1_MotorVe	elMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Polarity_Cracket Polarity_C$	tgt_DigPhsReasDiag_Per1_MtrElec	MechPolarity_Cnt_s08	
$\underline{tgt} \underline{Rte} \underline{Inst} \underline{Ap} \underline{Dig} \underline{PhsReasDiag} \underline{Per1} \underline{PDActivateTest} \underline{Cnt} \underline{Igc} \underline{rgc} \mathsf{$	tgt_DigPhsReasDiag_Per1_PDActiv	rateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

tgto_motp_big. not todoblog.big. not todoblogtott by tott diction_orgr	/ tgt_big: no todobilag_t of t_t by total a tot_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)	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	0.239999995	0.24	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	2300	2300	✓

Test Step Call Trace				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 2.26 (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				
			-	
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		
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Name	Actual value	Expected 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	~

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



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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25	0.25	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2400	2400	✓

Test Step Call Trace				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

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



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_Cappace and the property of the property $	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Capprox and the property of the property $	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cappace and the property of the property $	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveRese$	c_(tgt_DigPhsReasDiag_Per1_GateDriveRese	tActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPolicy and the property of the property o$	sC tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndext{$	cC tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceO	Car tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C	cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTir	meA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTir	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Onto a supplied of the control of the cont$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTir	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	ed_ tgt_DigPhsReasDiag_Per1_MotorVelMRFU	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_	gc tgt_DigPhsReasDiag_Per1_PDActivateTest	_Cnt_lgc	
Name	Actual Value	Expected 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(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum		0	· ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum	n) 0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum SVDiag_FilterSV_Cnt_M_s18p13[0]	0) 0 -312070	0 -312070	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	0) 0 -312070 -1638400	0 -312070 -1638400	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	-312070 -1638400 -2457600	0 -312070 -1638400 -2457600	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	n) 0 -312070 -1638400 -2457600 39	0 -312070 -1638400 -2457600 39 ± 1	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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	1) 0 -312070 -1638400 -2457600 39	0 -312070 -1638400 -2457600 39 ± 1	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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]	1) 0 -312070 -1638400 -2457600 39 1	0 -312070 -1638400 -2457600 39 ± 1 1	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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]	1) 0 -312070 -1638400 -2457600 39 1 0	0 -312070 -1638400 -2457600 39 ± 1 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[1]	1) 0 -312070 -1638400 -2457600 39 1 0 0	0 -312070 -1638400 -2457600 39 ± 1 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1) 0 -312070 -1638400 -2457600 39 1 0 0	0 -312070 -1638400 -2457600 39 ± 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1	0 -312070 -1638400 -2457600 39 ± 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 0 1	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 5783	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 5783	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711 68	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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_LRPRLowSector_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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711 68 0.25999999	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1 0.26	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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_LRPRLowSector_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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711 68 0.25999999 0	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1 0.26 0	
Rte_Call_Ap_ligPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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_LRPRHosAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711 68 0.25999999 0	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1 0.26 0 0	
Rte_Call_Ap_ligPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[2] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_lgc[2] SVDiag_LRPRHowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1) 0 -312070 -1638400 -2457600 39 1 0 0 1 0 1 0 5783 711 68 0.25999999 0	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1 0.26 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum 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[1] 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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_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_PrevLRPRHighSector_Cnt_M_lgc[2]	1) 0 -312070 -1638400 -2457600 39 1 0 0 0 1 0 0 0 1 0 0 0 0 1 1 0 0 0 0	0 -312070 -1638400 -2457600 39 ± 1 1 0 0 1 0 1 0 5783 711 68 ± 1 0.26 0 0 0 1	

Test Step Call Trace				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)		✓
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_		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per$		
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReadDiag_Per1_LRPRModulation ApD_DigPhsReadDiag_Per1_$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advance Called For the control of the control of$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorellar (State 1) and the property of $	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.270000011	0.27	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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



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	2600	2600	~

Test Step Call Trace				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	~

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	4
VDiag_ngneshiskeasbisable_w_ub	0.28
·- · · · · · · · · · · · · · · · · · ·	0
VDiag_LRPRHighSector_Cnt_M_lgc[0] VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
VDiag_ERPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
	1
VDiag_LRPRLowSector_Cnt_M_lgc[2]	
VDiag_LRPRPhsAdvComp_Cnt_M_u16	2700
VDiag_LowPhReasErrorAcc_Cnt_M_u16	239
SVDiag_LowResPhsReasDisable_M_u8	1 20122 71126
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30122.71136
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
VDiag_PhaseOffset_Rev_M_u0p16[2]	10486
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.37
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]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2997
_ErrorFiltKn_Cnt_u16	51152
_ErrorThresh_Cnt_u32	142699
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	594.4654054
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	0.219913423
_LowResPhsReas_Cnt_str.Threshold	29
_LowResPhsReas_Cnt_str.PStep	651
_LowResPhsReas_Cnt_str.NStep	155
_PhsReasEnableThresh_Cnt_u32	152663
_PhsReasErrorTerm_Cnt_s16	1485
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	10173
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	124289
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	161649
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	-1414
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	129423
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	3522
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	185874
pt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	589.5275707
at DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1
yt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_0	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_0	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC	1
	re (tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc

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DigPhsReasDiag_Per1





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_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Der1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_MotorVelMRFUnfiltered tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Der1_DDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Der1_DDActivateTest_Cnt_lgc

tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected 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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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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Nama	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOn$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_Exp$	tgt_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			
	nt_tgt_DigPnskeasDiag_Per1_MeasuredOnTimeC_Cnt_u32 dtgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32		
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	
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	~
·			



Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•	
Read_CountToRev	3	Read_CountToRev	3	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•	
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	•	

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	49
SVDiag_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
	3779.679818
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	32768
SVDiag_PhaseOffset_Rev_M_u0p16[0]	
GVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
GVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
GVDiag_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
_ErrorFiltKn_Cnt_u16	39619
_ErrorThresh_Cnt_u32	23446
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	814.0175524
_LowResPhsReasMaxTol_Uls_f32	2
LowResPhsReasMinTol Uls f32	0.902124703
 _LowResPhsReas_Cnt_str.Threshold	84
LowResPhsReas Cnt str.PStep	50
	254
PhsReasEnableThresh Cnt u32	125958
:_PhsReasErrorTerm_Cnt_s16	2372
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	40358
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cht_u32.value	41181
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	196903
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.693134308
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-20
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	172738
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	7551
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121712
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	290.8379813
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_C	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_C	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC C	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPo	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance(
gt_Rte_inst_Ap_bigPhsReasblag.bigPhsReasblag_Fe11_ERPRPhaseadvanteC gt_Rte_Inst_Ap_bigPhsReasblag.bigPhsReasblag_Pe11_MeasuredOnTimeA_C	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	int ty. Dights Reasonag_Herr_inteasuredOff times_Cnt_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	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)	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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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

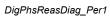
2015-01-14, 13:32:58+0530



Name	Input Value	
k_LowResPhsReasMaxTol_Uls_f32	1.772034645	
k_LowResPhsReasMinTol_Uls_f32	2	
k_LowResPhsReas_Cnt_str.Threshold	9	
k_LowResPhsReas_Cnt_str.PStep	439	
k_LowResPhsReas_Cnt_str.NStep	143	
k_PhsReasEnableThresh_Cnt_u32	137382	
k_PhsReasErrorTerm_Cnt_s16	4955	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	42727	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142090	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8201	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.336745381	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-285	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	169392	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	175573	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	86095	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	418.6133443	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output (Applied From From From From From From From From$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_R	lev_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCollege (Application of the College (Appli$	$tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_U$	ls_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt	_s16
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplayers and the property of the$	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_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_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	le Result

tgo_not_hp_big. nortoucbidg.big. nortoucbidg_r or i briotrator oc_on_ig	191_5.9	_090	
Name	Actual Value	Expected 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	-

Test Step Call Trace				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 2.33 (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_Naxiviconimonvitg_on_in_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

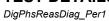
-9101312

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-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	✓

Test Step Call Trace				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	1
	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_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0_
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	532
SVDiag_LowResPhsReasDisable_M_u8	17
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30304.2415
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.42
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3552
k_ErrorFiltKn_Cnt_u16	33351
k_ErrorThresh_Cnt_u32	56437
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	170.2293826
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.988061428
k_LowResPhsReas_Cnt_str.Threshold	733
k_LowResPhsReas_Cnt_str.PStep	223
k_LowResPhsReas_Cnt_str.NStep	893
k_PhsReasEnableThresh_Cnt_u32	81034
k_PhsReasErrorTerm_Cnt_s16	1348
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	90502
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142718
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	61703
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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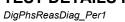


Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46394217		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-764		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	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_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnrackets and the property of the propert$	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_CnappersUpdates and the property of the p$	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_Ap_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDriveResetActive_Inst_ApD_Diag_Per1_GateDrive$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	c tgt_DigPhsReasDiag_Per1_LRPRCorrectedl	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex (Continuous Continuous Con$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CrossPersUpsPersU$	ttgt_DigPhsReasDiag_Per1_MeasuredOnTim	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_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	filtered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_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	
		1	
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	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$			
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0 48569	0 48569	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	0	0	·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	0 48569 64953	0 48569 64953	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	0 48569 64953 73145	0 48569 64953 73145	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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	0 48569 64953 73145 26	0 48569 64953 73145 26 ± 1	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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]	0 48569 64953 73145 26 0.490151227	0 48569 64953 73145 26 ± 1 0.490151227	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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]	0 48569 64953 73145 26 0.490151227	0 48569 64953 73145 26 ± 1 0.490151227	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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]	0 48569 64953 73145 26 0.490151227 0 1	0 48569 64953 73145 26 ± 1 0.490151227 0 1	· · · · · · · · · · · · · · · · · · ·
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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_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]	0 48569 64953 73145 26 0.490151227 0 1	0 48569 64953 73145 26±1 0.490151227 0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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]	0 48569 64953 73145 26 0.490151227 0 1	0 48569 64953 73145 26 ± 1 0.490151227 0 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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]	0 48569 64953 73145 26 0.490151227 0 1 0	0 48569 64953 73145 26 ± 1 0.490151227 0 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0 48569 64953 73145 26 0.490151227 0 1 0 0	0 48569 64953 73145 26 ± 1 0.490151227 0 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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	0 48569 64953 73145 26 0.490151227 0 1 0 0 0	0 48569 64953 73145 26 ± 1 0.490151227 0 1 0 0 0 0 0 2308	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18	0 48569 64953 73145 26 ± 1 0.490151227 0 1 0 0 0 0 2308 0 18 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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_LowPsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 2308	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18 0.330000013	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 0 2308 0 18±1 0.33	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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[1] 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_LRPRPSAdVComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18 0.330000013 0 0	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 0 2308 0 18±1 0.33 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPRSAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_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[1]	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18 0.330000013 0	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 0 2308 0 18±1 0.33 0 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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_u16 SVDiag_LRPRPAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u8 SVDiag_DwResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_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_PrevLRPRHighSector_Cnt_M_lgc[0]	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18 0.330000013 0 0 0	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 0 2308 0 18±1 0.33 0 0 0 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 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[1] 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_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 48569 64953 73145 26 0.490151227 0 1 0 0 0 2308 0 18 0.330000013 0 0 0	0 48569 64953 73145 26±1 0.490151227 0 1 0 0 0 0 2308 0 18±1 0.33 0 0 0	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)		<u> </u>
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	

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





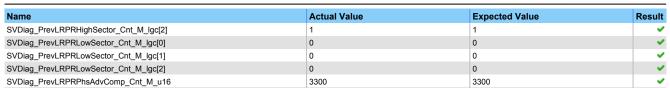
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag LRPRPhsAdvComp Cnt M u16	3300	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	186	
SVDiag LowResPhsReasDisable M u8	29	
SVDiag MaxNrCommOffVltg Cnt M f32	47454.04777	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	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	
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	~

DigPhsReasDiag_Per1

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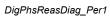


Test Step Call Trace			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

T+ 04 0.00 (D+ 0+ -4)	
Test Step 2.36 (Repeat Count = 1)	▼
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.35
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	38
SVDiag_LowResPhsReasDisable_M_u8	75
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41405.16186
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.44
SVDiag PrevLRPRHighSector Cnt M Igc[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	3774
k_ErrorFiltKn_Cnt_u16	25546
k_ErrorThresh_Cnt_u32	183881
k LRPRMtrVelDiagEnable MtrRadpS T f32	798.3981082
k LowResPhsReasMaxTol Uls f32	1.364431143
k LowResPhsReasMinTol Uls f32	0.1129421
k_LowResPhsReas_Cnt_str.Threshold	721
	764
k_LowResPhsReas_Cnt_str.PStep	
k_LowResPhsReas_Cnt_str.NStep	230 34700
k_PhsReasEnableThresh_Cnt_u32	
k_PhsReasErrorTerm_Cnt_s16	3370
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	122085
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	113651
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	290
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.137102962
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1400
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	44275
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	135864
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11068
tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	0
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack the property of t$	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

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61





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	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	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt \;\;Rte \;\;Inst \;\;Ap \;\;DigPhsReasDiag.DigPhsReasDiag \;\;Per1 \;\;MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	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)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	2255824	2255824	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	1440610	1440610	-
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	~
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	-
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4744	4744	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	76	76 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.349999994	0.35	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~

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

3400

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

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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



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	1			
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 Igc[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		~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.38 (Repeat Count = 1)	
lame	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
VDiag_HighResPhsReasDisable_M_u8	47
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.37
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
VDiag LRPRLowSector Cnt M Igc[1]	0
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	889
SVDiag_LowResPhsReasDisable_M_u8	25
	2110.339864
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	
VDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
VDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.46
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3996
ErrorFiltKn Cnt u16	53430
_ErrorThresh_Cnt_u32	42446
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	352.3172735
LowResPhsReasMaxTol Uls f32	2
LowResPhsReasMinTol Uls f32	0.80986619
_LowResPhsReas_Cnt_str.Threshold	389
_LowResPhsReas_Cnt_str.PStep	437
_LowResPhsReas_Cnt_str.NStep	118
_PhsReasEnableThresh_Cnt_u32	64811
_PhsReasErrorTerm_Cnt_s16	1867
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	120834
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	39602
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	61302
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.232243598
at DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-92
at DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	151353
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	184783
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	64897
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-393.0881291
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
	1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cr	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	cc tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	C tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	aı tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_C	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
ut_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB
· • • • - · · · · · · · · · · · · ·	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	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]	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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	-
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	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	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_E$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrop to the control of th$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	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_MotorVelMRFUnfiltered_MtrRadpS_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_PDActivAteTest_Cnt_ReasDiag_Per1_PDActivAteTest_Cnt_PDActivAteTest_Cnt_PDActivAteTest_Cnt_PDActivAteTest_Cnt_PDActivAteTest_Cnt_P$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc
Name	Actual Value Expected Value Re

tgtc_mc_,tp_sig. not todostag.sig. not todostagt of tts todatato tot_ont_igt	(9(_5,9), not todob (a9_, of 1_), by tod valo (oo(_on(_)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)	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	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	3700	3700	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	125573		
tgt_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	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt			
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_Ci			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PbActivateTest_Cnt_lgd	1		
			_
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	
DE CHI A DISPEDIS DISPEDIS ALLO MITORIA CON CONTROL CO	10	0	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]	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	~

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]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5765	5765	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	398	398	✓
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.38999986	0.39	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3800	3800	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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		

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



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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ExpectedO$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output (Applied From From From From From From From From$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	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_Cnt	t tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	t tgt_DigPhsReasDiag_Per1_MeasuredOnTin	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_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	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)	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 Igc[2]	1	1	
SVDiag LRPRLowSector Cnt M Igc[0]	1	1	✓
SVDiag LRPRLowSector Cnt M lgc[1]	0	0	
SVDiag LRPRLowSector Cnt M Igc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	716	716	
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	-
SVDiag LowResPhsReasDisable M u8	42	42 ± 1	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.409999996	0.41	•
SVDiag PrevLRPRHighSector Cnt M Igc[0]	1	1	-
SVDiag PrevLRPRHighSector Cnt M Igc[1]	1	1	-
SVDiag_PrevERPRHighSector_Ont_M_igc[1]	1	1	
SVDiag_PrevERPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Crit_M_gc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000	4000	
SVDIAY_FIEVERFRETISAUVCOMP_CHI_W_U10	4000	4000	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



		(
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the following property of the pr$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	, , , , , , , , , , , , , , , , , , , ,	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPh$	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	~

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



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	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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
	0
VDiag_HighResPhsReasDisable_M_u8	
SVDiag_LRPRAdjModIdAComp_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]	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	539
VDiag_LowResPhsReasDisable_M_u8	19
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15735.00934
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.52
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4662
_ErrorFiltKn_Cnt_u16	61805
_ErrorThresh_Cnt_u32	168342
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	890.8103936
_LowResPhsReasMaxTol_Uls_f32	0.480914354
_LowResPhsReasMinTol_Uls_f32	2
_LowResPhsReas_Cnt_str.Threshold	142
_LowResPhsReas_Cnt_str.PStep	220
_LowResPhsReas_Cnt_str.NStep	280
_PhsReasEnableThresh_Cnt_u32	32617
 _PhsReasErrorTerm_Cnt_s16	-7263
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	91475
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34178
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183241
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.431435525
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-890
gt_DigPhsReasDiag_Per1_ERFRF haseauvanceCaptured_Cht_s10.value	22202
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Ont_us2.value	161639
	120147
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-753.1787578 4
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1
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



DigPhsReasDiag_Per1

Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtr	rPosC tgt_DigPhsReasDiag_Per1_LR	PRCorrectedMtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_LRPRModulationInst_Ap_Diag_Per1_Diag_$	dexC tgt_DigPhsReasDiag_Per1_LR	PRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanders	ceCai tgt_DigPhsReasDiag_Per1_LR	PRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA	A_Cnt tgt_DigPhsReasDiag_Per1_Me	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeEndoNTimeEndoNTim$	B_Cnt tgt_DigPhsReasDiag_Per1_Me	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeOonTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOonTimeOnTimeOnTimeOnTimeOnTimeOnTimeOnTimeOonTimeOnTimeOnTimeOonTimeOonTimeOnTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOonTimeOoo$	C_Cnt tgt_DigPhsReasDiag_Per1_Me	easuredOnTimeC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfill	tered tgt_DigPhsReasDiag_Per1_Mo	otorVelMRFUnfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity and the property of t$	ity_Cr tgt_DigPhsReasDiag_Per1_Mt	rElecMechPolarity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Circles (Ap_DigPhsReasDiag_Per1_PDActivateTest_Circles (Ap_Diag_Per1_PDActivateTest_Circles (Ap_Diag_Per1_PDActiva$	nt_lgc tgt_DigPhsReasDiag_Per1_PD	ActivateTest_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enu	m) 82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u0	08) 64	64	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_er	num) 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_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	✓	

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

4200

4200

Test Step 2.44 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.44
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	525
SVDiag_LowResPhsReasDisable_M_u8	95
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	69303.04221
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_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 Igc[0]	1

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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



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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	- Y
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	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

ame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	9101312
VDiag_FilterSV_Cnt_M_s18p13[1]	18202624
VDiag_FilterSV_Cnt_M_s18p13[2]	27303936
VDiag_HighResPhsReasDisable_M_u8	42
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.45
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	4400
VDiag_LowPhReasErrorAcc_Cnt_M_u16	63
VDiag_LowResPhsReasDisable_M_u8	26
	50434.40961
VDiag_MaxNrCommOffVltg_Cnt_M_f32	39322
VDiag_PhaseOffset_Rev_M_u0p16[0]	
VDiag_PhaseOffset_Rev_M_u0p16[1]	39977
VDiag_PhaseOffset_Rev_M_u0p16[2]	40632
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.54
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	4884
_ErrorFiltKn_Cnt_u16	63920
ErrorThresh_Cnt_u32	47518
LRPRMtrVelDiagEnable_MtrRadpS_T_f32	109.7124118
LowResPhsReasMaxTol Uls f32	0.76492703
LowResPhsReasMinTol Uls f32	1.999789953
LowResPhsReas_Cnt_str.Threshold	950
LowResPhsReas Cnt str.PStep	768
LowResPhsReas_Cnt_str.NStep	660
PhsReasEnableThresh Cnt u32	185321
	4318
PhsReasErrorTerm_Cnt_s16	
t_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	69753
t_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34697
t_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	166641
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.841467023
t_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.22442013
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-234
t_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	94301
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	56798
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	147579
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	954.8141541
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
t DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	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_bigPhsReasDiag.DigPhsReasDiag_Pen_ExpectedOfffineC_Off_ t_Rte_Inst_Ap_bigPhsReasDiag.DigPhsReasDiag_Pen_ExpectedOfffineC_Off_	T
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa _l	
L DI L L A DI	
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	rtgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	~
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	~
SVDiag_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_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4400	4400	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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]	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_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_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_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
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexC$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	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_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 Resu

Name	Actual Value	Expected 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	-

Test Step Call Trace			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 2.47 (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	32 2		
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

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



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	~

Test Step Call Trace				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 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_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	725
SVDiag_LowResPhsReasDisable_M_u8	42
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	58659.56285
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.57
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5217
k_ErrorFiltKn_Cnt_u16	37587
k_ErrorThresh_Cnt_u32	32020
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	41.79331511
k_LowResPhsReasMaxTol_Uls_f32	1.602493823
k_LowResPhsReasMinTol_Uls_f32	1.866541564
k_LowResPhsReas_Cnt_str.Threshold	58
k_LowResPhsReas_Cnt_str.PStep	574
k_LowResPhsReas_Cnt_str.NStep	775
k_PhsReasEnableThresh_Cnt_u32	86275
k_PhsReasErrorTerm_Cnt_s16	3294
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184529
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	128618
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	18218
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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





Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.325536013		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.800645947		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-197		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	90296		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	8860		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	19835		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-153.0103319		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	tgt DigPhsReasDiag Per1 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_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	1		
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		·	
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			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C			
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	rtoouit
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	j
SVDiag FilterSV Cnt M s18p13[0]	-1543941	-1543941	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2706234	-2706234	J
SVDiag FilterSV Cnt M s18p13[2]	-7372800	-7372800	
SVDiag HighResPhsReasDisable M u8	45	45 ± 1	
SVDiag_Ingriresr-risiteasbisable_w_u0 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.800645947	0.800645947	
· · · · · · · · · · · · · · · · · · ·	1	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	
	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
	5947	5947	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	
		'	J
SVDiag_LowResPhsReasDisable_M_u8	0.479999989	43 ± 1	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.479999989	0.48	Ĭ
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	· .	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	·	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	\
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	4700	4700	✓

Test Step Call Trace				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 2.49 (Repeat Count = 1)		<u> </u>
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	83	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.49	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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



		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	~

DigPhsReasDiag_Per1

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

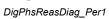


Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4800	4800	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_LRPRCorrectedMtrPosC	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_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntproperties and the properties of the properties $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrossPersUpsP$	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]	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	│
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4900	4900	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.6
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	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		✓



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	•

ame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
VDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
VDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
VDiag_HighResPhsReasDisable_M_u8	29
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.52
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	5100
VDiag_LowPhReasErrorAcc_Cnt_M_u16	526
VDiag_LowResPhsReasDisable_M_u8	71
VDiag_MaxNrCommOffVltg_Cnt_M_f32	59495.03321
VDiag_PhaseOffset_Rev_M_u0p16[0]	9175
VDiag PhaseOffset Rev M u0p16[1]	9830
VDiag_PhaseOffset_Rev_M_u0p16[2]	10486
VDiag_PraseOffset_Rev_M_uppTo[2] VDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.61
VDiag_PrevERPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevERPRHighSector_Cnt_M_igc[u] VDiag_PrevERPRHighSector_Cnt_M_igc[1]	0
	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	
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	5661
_ErrorFiltKn_Cnt_u16	44054
_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
_LowResPhsReas_Cnt_str.NStep	311
_PhsReasEnableThresh_Cnt_u32	33129
_PhsReasErrorTerm_Cnt_s16	-10000
t_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	181762
t_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	41890
t_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173694
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
t_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-633
t DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	5419
t DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	105139
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	144013
t DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-747.4518609
t_DigPhsReasDiag_Per1_MittelecMechPolarity_Cnt_s08.value	-1
	0
tt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
	0 0 0 0 0 0
tt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	0 0 0 0 0
tt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
${\tt t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC}$	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
	tot DigPhsPeasDigg Perf MeasuredOnTimeA Cnt u32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_bigFrisiteasblag_Feir_weasuredOfffilleA_Crit_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	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]	-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_PrevLRPRAdjModldComp_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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.62	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5772	
k_ErrorFiltKn_Cnt_u16	34283	
k_ErrorThresh_Cnt_u32	61455	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	802.0778412	

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



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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDi$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntails (Ap_DigPhsReasDiagDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadD$	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_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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc
Name	Actual Value Expected Value Resu

Name	Actual Value	Expected 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_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	5200	5200	✓

Test Step Call Trace			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 2.54 (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

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



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_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	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5300	5300	✓

Test Step Call Trace				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

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





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	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntologers (Applied From From From From From From From From$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntored and the property of the property $	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntored and the property of the property $	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateD$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosts and the property of the property of$	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulatio	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDispersion Applied From the Company of the Company$	ttgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	ttgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	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_C	r tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Ig	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 lgc[2]	1	1	
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	✓
SVDiag LRPRLowSector Cnt M lgc[1]	0	0	~
SVDiag LRPRLowSector Cnt M Igc[2]	0	0	✓
SVDiag LRPRPhsAdvComp Cnt M u16	3080	3080	
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	~
SVDiag LowResPhsReasDisable M u8	25	25 ± 1	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.550000012	0.55	~
SVDiag PrevLRPRHighSector Cnt M lgc[0]	1	1	
SVDiag PrevLRPRHighSector Cnt M lgc[1]	1	1	✓
SVDiag PrevLRPRHighSector Cnt M lgc[2]	1	1	
SVDiag PrevLRPRLowSector Cnt M 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	5400	5400	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



		(
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5500	
SVDiag LowPhReasErrorAcc Cnt M u16	530	
SVDiag LowResPhsReasDisable M u8	20	
SVDiag MaxNrCommOffVltg Cnt M f32	41737.25828	
SVDiag PhaseOffset Rev M u0p16[0]	16384	
SVDiag PhaseOffset Rev M u0p16[1]	19661	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.65	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M lqc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	6105	
k_ErrorFiltKn_Cnt_u16	58230	
k_ErrorThresh_Cnt_u32	130622	
k LRPRMtrVelDiagEnable MtrRadpS T f32	567.8109986	
	1.582519591	
k_LowResPhsReasMaxTol_Uls_f32 k_LowResPhsReasMinTol_Uls_f32	0	
	502	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	41	
,	364	
k_LowResPhsReas_Cnt_str.NStep		
k_PhsReasEnableThresh_Cnt_u32	113629 -4925	
k_PhsReasErrorTerm_Cnt_s16	150023	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	126550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	6433	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.405353904	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	579	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	46252	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99215	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190079	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	152.9415138	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cni	1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cni		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cn	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosi		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	, , , , , , , , , , , , , , , , , , , ,	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	10 0 0 0 0	
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)	32	32	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	792084260	792084260	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	236609860	236609860	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1298118450	-1298118450	•
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.405353904	0.405353904	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3651	3651	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	166	166	~
SVDiag_LowResPhsReasDisable_M_u8	21	21 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.560000002	0.56	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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



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	✓

Test Step Call Trace				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	~

T4 04 0 F7 (D4 04 -4)	
Test Step 2.57 (Repeat Count = 1)	<u> </u>
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	35
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.57
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	844
SVDiag_LowResPhsReasDisable_M_u8	98
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	5003.028737
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.66
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag PrevLRPRHighSector Cnt M lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100
k_ErrorFiltKn_Cnt_u16	21723
k_ErrorThresh_Cnt_u32	170217
k LRPRMtrVelDiagEnable MtrRadpS T f32	982.5199534
k LowResPhsReasMaxTol Uls f32	0.03418386
k LowResPhsReasMinTol Uls f32	2
k_LowResPhsReas_Cnt_str.Threshold	658
k_LowResPhsReas_Cnt_str.PStep	29
k_LowResPhsReas_Cnt_str.NStep	528
k_PhsReasEnableThresh_Cnt_u32	76736
k PhsReasErrorTerm Cnt s16	-4925
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	75966
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	154269
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	199262
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.809941888
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
	-454
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	
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_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_DigPnskeasDiag_Per1_GateDriveResetActive_Cnt_lgc

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16



0

5600



DigPhsReasDiag_Per1

Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity (Community of the Community of the Communit$	tgt_DigPhsReasDiag_Per1_LRPRModulation	tgt_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_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersUpdates and the property of the p$	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_Cr	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)	106	106	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-1435620571	-1435620571	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1435620571	-1435620571	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-1435620571	-1435620571	~	
SVDiag_HighResPhsReasDisable_M_u8	36	36 ± 1	~	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5690	5690	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	658	658	~	
SVDiag_LowResPhsReasDisable_M_u8	99	99 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.569999993	0.57	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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

5600

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

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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	•



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
	0
0= = = = 1	0
VDiag_FilterSV_Cnt_M_s18p13[2]	0
VDiag_HighResPhsReasDisable_M_u8	16
0= ,	0.59
0_ 0 0 0 1	0
0_ 0 0 0 1	0
0_ 0 0 _ 0	0
5	1
0	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
	32768
	39322
9= , , , , , , ,	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
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
yt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
t_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
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
	1
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (0_ 0_ 1_ 1
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	· - · · · · · · · · · · · · · · · · · ·
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	
	0 - 0 - 10 - 10 - 10 - 10 - 10 - 10 - 1
pt_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	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]	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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.69
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	400
k_ErrorFiltKn_Cnt_u16	34327
k_ErrorThresh_Cnt_u32	172540
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	513.9196233

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



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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntologers and the property of the proper$	tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntologies (Contours) and the property of the property of$	tgt_DigPhsReasDiag_Per1_Ex	pectedOnTimeC_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_Ga	ateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPost	tgt_DigPhsReasDiag_Per1_LF	PRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LF	PRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled States and States are also become a supplied that the states are also become an experimental states and the states are also become a supplied that the states are al$	tgt_DigPhsReasDiag_Per1_LF	PRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTim$	t tgt_DigPhsReasDiag_Per1_M	easuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_M	easuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntor(Cnt$	tgt_DigPhsReasDiag_Per1_Me	easuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Pers_NeasDiag_Pers_NeaDiag_Pers_Ne$	tgt_DigPhsReasDiag_Per1_Me	otorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cappack and the property of the prope$	tgt_DigPhsReasDiag_Per1_Mt	rElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr	tgt_DigPhsReasDiag_Per1_Pt	OActivateTest_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_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	5900	5900	✓

Test Step Call Trace				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 2.61 (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	~

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



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	~

Test Step Call Trace				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 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	6100
SVDiag LowPhReasErrorAcc Cnt M u16	953
SVDiag LowResPhsReasDisable M u8	25
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	71111.01352
SVDiag PhaseOffset Rev M u0p16[0]	0
SVDiag PhaseOffset Rev M u0p16[1]	0
SVDiag PhaseOffset Rev M u0p16[2]	0
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.71
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag PrevLRPRHighSector Cnt M Igc[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

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



Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.077201843		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.230777502		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	968		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	87288		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	57425		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121875		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	245.5806819		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ExpectedO$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Order = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_GateDriveReset.	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Cnt_Ap_DigPhsReasDiag_DONTimeA_Cnt_Ap_DigPhsReasDiag_DONTimeA_Cnt_Ap_DigPhsReasDiag_DONTimeA_Cnt_Ap_DigPhsRead_DONTimeA_$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	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_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]	-8192000	-8192000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	-
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	✓
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	✓
SVDiag LRPRAdjModldAComp Cnt M f32	0.230777502	0.230777502	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag LRPRHighSector Cnt M lgc[1]	1	1	✓
SVDiag LRPRHighSector Cnt M lgc[2]	1	1	
SVDiag LRPRLowSector Cnt M Igc[0]	1	1	✓
SVDiag LRPRLowSector Cnt M lgc[1]	0	0	✓
SVDiag LRPRLowSector Cnt M Igc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4040	4040	
SVDiag LowPhReasErrorAcc Cnt M u16	134	134	✓
SVDiag LowResPhsReasDisable M u8	26	26 ± 1	
SVDiag PrevLRPRAdjModldComp Cnt M f32	0.620000005	0.62	•
SVDiag PrevLRPRHighSector Cnt M lgc[0]	1	1	-
SVDiag PrevLRPRHighSector Cnt M lgc[1]	1	1	•
SVDiag PrevLRPRHighSector Cnt M Igc[2]	1	1	_
SVDiag PrevLRPRLowSector Cnt M Igc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	_
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	6100	6100	
5.5.6857Era ra nor decomp_on_are	0.00	0.00	

Test Step Call Trace ✓				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



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	~

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



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	✓

Test Step Call Trace				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 2.64 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	50
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.64
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag LRPRLowSector Cnt M Igc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	222
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	536
SVDiag LowResPhsReasDisable M u8	76
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	56070.39268
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.73
SVDiag PrevLRPRHighSector Cnt M Igc[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	800
k ErrorFiltKn Cnt u16	15454
k_ErrorThresh_Cnt_u32	142299
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	482.1488878
k_LowResPhsReasMaxTol_Uls_f32	0.387054026
k LowResPhsReasMinTol UIs f32	0.216386497
k_LowResPhsReas_Cnt_str.Threshold	380
k_LowResPhsReas_Cnt_str.PStep	420
k_LowResPhsReas_Cnt_str.NStep	560
k PhsReasEnableThresh Cnt u32	20000
k_PhsReasErrorTerm_Cnt_s16	-3400
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	166081
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	96410
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	188134
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.831977129
tgt_DigPnsReasDiag_Peri_LRPRModulationIndexCaptured_Ois_132.value tgt_DigPhsReasDiag_Peri_LRPRModulationIndexCaptured_Cnt_s16.value	-3
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	30482
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	41745
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	97531
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1027.598453
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	[tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16



DigPhsReasDiag_Per1

Name	Input Value		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	· ·	MtrPosCantured Pay f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC	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	0_ 0	- -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cn	· · · · · · · · · · · · · · · · · · ·		
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		7	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	- Cooule
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	V
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	~

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

222

222

Test Step 2.65 (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	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_lgc[0]	1

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



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_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntarrows and all the properties of the propertie$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	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			
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		



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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_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	444
VDiag_LowPhReasErrorAcc_Cnt_M_u16	476
VDiag_LowResPhsReasDisable_M_u8	15
VDiag_MaxNrCommOffVltg_Cnt_M_f32	38778.7106
VDiag_PhaseOffset_Rev_M_u0p16[0]	39322
VDiag_PhaseOffset_Rev_M_u0p16[1]	39977
VDiag_PhaseOffset_Rev_M_u0p16[2]	40632
VDiag_FriaseOriset_Rev_ivi_uop10[2] VDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.75
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
·VDiag_PrevLRPRHighSector_Cnt_M_igc[u] VDiag_PrevLRPRHighSector_Cnt_M_igc[1]	0
	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	
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
_PhsReasErrorTerm_Cnt_s16	-2564
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	19402
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	37242
pt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59580
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
pt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.534251213
pt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	761
pt 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_MeasuredOffTimeO_Crit_ubz.value	359.1404709
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_DigPhsReasDiag_Per1_MitElectMeCriPolarity_Crit_soc.value	1
pt_DigPrisReasDiag_Peri_PDActivateTest_Cnt_igc.value pt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	7 - 7 - 7 - 7
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 2 2
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	
	that DigPhsReasDigg Per1 MeasuredOnTimeA Cnt u32
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt pt_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]	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_PrevLRPRAdjModldComp_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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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 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 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

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



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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnickled (Continue of the Continue of the$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_	LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled and the property of the property o$	tgt_DigPhsReasDiag_Per1_	LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTimeB_CrosS_ReadDiag_Per1_MeasUredOnTimeB_Cross_ReadDiag_Per1_MeasUredOnTim$	t 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 property of $	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

32 42 42 5 4 4 5 5 4 4 6 5 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			
Name	Actual Value	Expected 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	•

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_instruction in the content of the content of</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

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



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_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666	666	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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 Rte_Inst_Ap_DigPhsReasDiag SVDiag_FilterSV_Cnt_M_s18p13[0]	Input Value tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	tgt_Rte_Inst_Ap_DigPhsReasDiag
	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_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_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	777
SVDiag LowPhReasErrorAcc Cnt M u16	1000
SVDiag LowResPhsReasDisable M u8	27
SVDiag MaxNrCommOffVltg Cnt M f32	60701.37884
SVDiag PhaseOffset Rev M u0p16[0]	6554
SVDiag PhaseOffset Rev M u0p16[1]	13107
SVDiag PhaseOffset Rev M u0p16[2]	19661
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.78
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1300
k_ErrorFiltKn_Cnt_u16	29348
k_ErrorThresh_Cnt_u32	46003
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	176.3621515
k_LowResPhsReasMaxTol_Uls_f32	0.214813828
k_LowResPhsReasMinTol_Uls_f32	1.529430628
k_LowResPhsReas_Cnt_str.Threshold	416
k_LowResPhsReas_Cnt_str.PStep	397
k_LowResPhsReas_Cnt_str.NStep	652
k_PhsReasEnableThresh_Cnt_u32	19817
k_PhsReasErrorTerm_Cnt_s16	-8722
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108203
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	21683
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159603
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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





Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.31260407		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.185294211		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-242		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	44968		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	52724		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	51915		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-896.3371812		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_InstAp_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_Di$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_($	tgt_DigPhsReasDiag_Per1_GateDriveReset/	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCat	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_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_MtrElecMechPol	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	
	0	0	•
	0	0	-
SVDiag FilterSV Cnt M s18p13[0]	-45235000	-45235000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-90470000	-90470000	-
SVDiag FilterSV Cnt M s18p13[2]	-135705000	-135705000	✓
SVDiag HighResPhsReasDisable M u8	43	43 ± 1	-
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.185294211	0.185294211	•
SVDiag LRPRHighSector Cnt M lgc[0]	0	0	
SVDiag LRPRHighSector Cnt M lgc[1]	1	1	✓
SVDiag LRPRHighSector Cnt M lgc[2]	0	0	
SVDiag LRPRLowSector Cnt M Igc[0]	1	1	~
	0	0	-
	0	0	✓
SVDiag LRPRPhsAdvComp Cnt M u16	2830	2830	
	348	348	✓
SVDiag LowResPhsReasDisable M u8	28	28 ± 1	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	1	1	✓
SVDiag PrevLRPRHighSector Cnt M Igc[0]	1	1	
	1	1	•
			-
- 10_ 1 2 2 2 2 1 1 1			
32 1 2 2 2 3 1 1		*	•
5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]			

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)		<u> </u>
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	

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



		1 1 2 1 6 1 6
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	~

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



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	✓

Test Step Call Trace				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	~

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
pt_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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCapacity and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Pe$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntgTouts$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	33923700	33923700	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	40705102	40705102	~	
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	~	
SVDiag_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	_	

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	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]	-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

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



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



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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 lgc[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_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_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		
Name	Actual Value	Expected 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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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

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



Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	0.779447973		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	755		
k_LowResPhsReas_Cnt_str.PStep	823		
k_LowResPhsReas_Cnt_str.NStep	0		
k_PhsReasEnableThresh_Cnt_u32	106257		
k_PhsReasErrorTerm_Cnt_s16	8685		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	37659		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	129631		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193954		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.303319454		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	83098		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	110948		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104374		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	70.48811805		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(tgt_DigPhsReasDiag_Per1_Gate	eDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRF	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRF	RModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRF	RPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_Mot	orVelMRFUnfiltered_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_MtrE	ElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	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)	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_PrevLRPRAdjModldComp_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	✓

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•	
Read_CountToRev	3	Read_CountToRev	3	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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		170309 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			
9_ 9_ =				
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_		ActivateTest_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			

4898816

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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 Igc[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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.76 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	67
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.73
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1223
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	345
SVDiag_LowResPhsReasDisable_M_u8	47
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51490.30053
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.85
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2000
k_ErrorFiltKn_Cnt_u16	42410
k_ErrorThresh_Cnt_u32	75745
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	799.9812991
k_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

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International Content Inte	Name	Input Value		
St. DigPhsReasDiag Pert LRPRPhaseothancoCaptured, Cnt. 132 value 48944 58377	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.117531061		
1	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.396101594		
	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	509		
15.0 19PhsReasDiag_Per1_MeasuredOnTimeC_Crt_u32_value 156339 157.0 1	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48944		
	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35377		
In the Institute of Institute of the Institute of the Institute of the Institute of Institute of the Institute of the Institute of the Institute of Institute of the Institute of Institut	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	165339		
	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-97.00191712		
Table Inst. Ap. DigPhsReasDiag DigPhsReasDiag Perl ExpectedOnTime Cnt. tg DigPhsReasDiag DigPhsReasDiag Perl ExpectedOnTime Cnt. tg DigPhsReasDiag DigPhsReasDiag Perl ExpectedOnTime DigPhsReasDiag Perl ExpectedOnTime DigPhsReasDiag Perl ExpectedOnTime DigPhsReasDiag DigPhsReasDiag Perl MeasuredOnTime DigPhsReasDiag Perl MeasuredOnTime DigPhsReasDiag Perl MeasuredOnTime DigPhsReasDiag DigPhsReasDiag Perl MetriceMechPolarity DigPhsReasDiag Perl MeasuredOnTime DigPhsReasDiag DigPhsReasDiag Perl MetriceMechPolarity DigPhsReasDiag Perl MetriceMechPolarity DigPhsReasDiag Perl MetriceMechPolarity DigPhsReasDiag DigPhsReasDiag DigPhsReasDiag Perl DigPhsReas	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf ExpectedOnTimeB Cnt tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf ExpectedOnTimeB Cnt tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf ExpectedOnTimeC Cnt tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf LERPRCorrectedMitrPost tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf LERPRCorrectedMitrPost tgt Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Perf LERPRCorrectedMitrPost tgt DigPhsReasDiag Perf LERPRRcorrectedMitrPost	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert ExpectedOnTimeC tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert MeasuredOnTimeD cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag DigPhsReasDiag Pert Metrie cnt tgt Rte nst Ap DigPhsReasDiag DigPhsReasDiag DigPhsReasDiag cnt nst Ap DigPhsRea	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
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tgt Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_LRPRKodulationIndexC tgt_DigPhsReasDlag_Perl_RPRRkodulationIndexC tgt_DigPhsReasDlag_Derl_RPRRkodulationIndexC tgt_DigPhsReasDlag_DigPhsReasDlag_DigPhsReasDlag_Perl_RPRRsaesdavanceCaptured_Cnt_s16 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MeasuredOnTimeA_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MeasuredOnTimeA_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MeasuredOnTimeA_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MeasuredOnTimeB_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MeasuredOnTimeC_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MotorVelMRFUnfiltered_Us_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_Rte_Inst_Ap_DigPhsReasDlag_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_MtrEicoRechPolarity_Cnt_us2 tgt_DigPhsReasDlag_Perl_PDActivateTest_Cnt_Ugc tgt_DigPhsReasDlag_Perl_PDActivateTest_Cnt_Ugc tgt_DigPhsReasDlag_Perl_PDActivateTest_Cnt_Ugc tgt_DigPhsReasDlag_Perl_PDActivateTest_Cnt_Ugc tgt_DigPhsReasDlag_Porl_PDActivateTest_Cnt_Ugc tgt_DigPhsReasDlag_Porl_PDACtivateTest_DigPhsReasDlag_Porl_PDACtivateTest_DigP	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
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tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MotorVelMRFUnfiltered_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MtrElecMechPolarity_Crt_tgt_DigPhsReasDiag_Dert_DActivateTest_Cnt_tgt_bt_Rte_Inst_Ap_DigPhsReasDiag_Dert_PDActivateTest_Cnt_tgt_bt_DigPhsReasDiag_Dert_PDActivateTest_Cnt_tgt_bt_Rte_Inst_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_Tenum) 82 Result Rie_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 0 0 ✓ Rie_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_Tenum) 0 0 ✓ Voliag_FilterSV_Cnt_M_s18p13(0) 9101312 9101312 9101312 ✓ Voliag_FilterSV_Cnt_M_s18p13(2) -116449756 -116449756 -16449756 ✓ Voliag_LRPRAdjModIdAComp_Cnt_M_132 0.396101594 0.396101594 ✓ Voliag_LRPRRHighSector_Cnt_M_lgc(0) 1 1 1 ✓ Voliag_LRPRRLowSector_Cnt_M_lgc(1) 0 0 ✓ Voliag_LRPRRLowSector_Cnt_M_lgc(1) 0 0 ✓ Voliag_LRPRRLowSector_Cnt_M_lgc(1) 0 0 0 ✓ Voliag_LRPRRLowSector_Cnt_M_lgc(1) 0 0 ✓ Voliag_LRPRRLowSector_Cnt_M_lgc(1) 0 0 0 0 0 V	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MtrElecMechPolarity_Cr Igt_DigPhsReasDiag_Perf_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) 0 0 V Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) 0 0 V SVDiag_FilterSV_Cnt_M_st8p13(0] -9101312 -9101312 -9101312 V SVDiag_FilterSV_Cnt_M_st8p13(1) -16202624 -18202624 -18202624 V SVDiag_FilterSV_Cnt_M_st8p13(2) -116449756 -116449756 V SVDiag_LRPRAighSetor_Cnt_M_st8p13(2) -116449756 -116449756 V SVDiag_LRPRAighSector_Cnt_M_st8p13(2) -116449756 -116449756 V <td>tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt</td> <td>tgt_DigPhsReasDiag_Per1_MeasuredOnTim</td> <td>eC_Cnt_u32</td> <td></td>	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
Name Actual Value Expected 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 -9101312 ✓ SVDiag_FilterSV_Cnt_M_s18p13[1] -18202624 -18202624 -18202624 ✓ SVDiag_HighResPhsReasDiasDie_Mu8 68 68 ± 1 ✓ SVDiag_HersAdjModidAComp_Cnt_M_182 0.396101594 0.396101594 ✓ SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 1 ✓ SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 0 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 1 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 1 ✓ SVDiag_LRPRLowSector_Cnt_M_unf6 509 509 ✓ SVDiag_LowPerkReasDiasoble_Mu8 48 48 ± 1	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
Name Actual Value Expected Value Result Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_Tenum) 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 -9101312 ** SVDiag_FilterSV_Cnt_M_s18p13[1] -18202624 -18202624 ** ** SVDiag_HighResPhsReasDiable_M_u8 68 68 ± 1 ** ** SVDiag_LRPRAdjModidAComp_Cnt_M_132 0.396101594 0.396101594 ** ** SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 1 ** ** SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 0 ** <t< td=""><td>tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igc</td><td>tgt DigPhsReasDiag Per1 PDActivateTest</td><td>Cnt Igc</td><td></td></t<>	tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igc	tgt DigPhsReasDiag Per1 PDActivateTest	Cnt Igc	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 0 0 0 0 0 0 0 0 0	Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	~
SVDiag_FilterSV_Cnt_M_s18p13[0] -9101312 -9101312 SVDiag_FilterSV_Cnt_M_s18p13[1] -18202624 -18202624 SVDiag_FilterSV_Cnt_M_s18p13[2] -116449756 -116449756 SVDiag_HighResPhsReasDisable_M_u8 68 68 ± 1 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.396101594 0.396101594 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRHowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRHowSector_Cnt_M_u16 509 509 SVDiag_LowPhseasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0<		0	0	✓
SVDiag_FilterSV_Cnt_M_s18p13[1] -18202624 -18202624 SVDiag_FilterSV_Cnt_M_s18p13[2] -116449756 -116449756 SVDiag_HighResPhsReasDisable_M_u8 68 68 ± 1 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.396101594 0.396101594 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LowPhsRasErrorAcc_Cnt_M_u16 509 509 SVDiag_LowPhsReasDisable_M_u8 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] <td< td=""><td>Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)</td><td>0</td><td>0</td><td>~</td></td<>	Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[2] -116449756 -116449756 SVDiag_HighResPhsReasDisable_M_u8 68 68 ± 1 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.396101594 0.396101594 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_u16 509 509 SVDiag_LRPRAddVComp_Cnt_M_u16 509 509 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0	SVDiag FilterSV Cnt M s18p13[0]	-9101312	-9101312	✓
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_LRPRLowSector_Cnt_M_u16 509 509 SVDiag_LRPRPSAdvComp_Cnt_M_u16 509 509 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_lowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 4 SVDiag_PrevLRPRHowSector_Cnt_M_lgc[0] 0 0 4	SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.396101594 0.396101594 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0 4	SVDiag_FilterSV_Cnt_M_s18p13[2]	-116449756	-116449756	~
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 1 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 ✓ SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 ✓ SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_HighResPhsReasDisable_M_u8	68	68 ± 1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 ✓ SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[1] 0 0 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 1 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 ✓ SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 ✓ SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.396101594	0.396101594	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 ✓ SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 ✓ SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_LRPRHighSector_Cnt_M_lgc[0]	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 509 509 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_i32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 0 0	SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 ✓ SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 ✓ SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_l32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 ✓ SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 ✓ SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 ✓ SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 509 509 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0	SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0	SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LowResPhsReasDisable_M_u8 48 48 ± 1 ✓ SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 ✓ SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_LRPRPhsAdvComp_Cnt_M_u16	509	509	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 0.730000019 0.73 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0	SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
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_LowResPhsReasDisable_M_u8	48	48 ± 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_PrevLRPRAdjModldComp_Cnt_M_f32	0.730000019	0.73	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1 ✓ SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0 ✓	SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] 0 0	SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
5-15-16g	SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
	SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
		0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 ✓	SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 1223 1223 ✓		1000	1000	

Test Step Call Trace					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~	
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•	
Read_CountToRev	3	Read_CountToRev	3	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCollege (Applied From From From From From From From From$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnrowsPersUndersubsPersUnde$	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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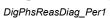
Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1335	1335	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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 DieDheDeerDies Deed ForestedOnTimeA Ont 100
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	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tqt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc

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_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_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_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Control of the Con$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorial Control of the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotes and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Compared to the property of the prope$	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)	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_Igc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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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1447

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1447

Test Step 2.79 (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]	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.88
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	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_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	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	69
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.77
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
sVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
VDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1671
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	818
SVDiag_LowResPhsReasDisable_M_u8	86
	66717.1036
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.89
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2400
_ErrorFiltKn_Cnt_u16	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
PhsReasEnableThresh Cnt u32	122649
	8699
_PhsReasErrorTerm_Cnt_s16	
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	68403
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	54961
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154888
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.542047858
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	580
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	191120
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	90539
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	4688
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	253.8297549
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
at DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	1
gt_Rte_Inst_Ap_bigi histocasbiag.big/ histocasbiag_i en_ExpectedonTimeA_ont	
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1
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	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
	t tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	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
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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1783
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	828
SVDiag_LowResPhsReasDisable_M_u8	8
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	59954.45694
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.9
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2500
k_ErrorFiltKn_Cnt_u16	23420
k_ErrorThresh_Cnt_u32	155276
k LRPRMtrVelDiagEnable MtrRadpS T f32	424.9981739

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	1.248945773		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	77		
k_LowResPhsReas_Cnt_str.PStep	949		
k_LowResPhsReas_Cnt_str.NStep	794		
k_PhsReasEnableThresh_Cnt_u32	73028		
k_PhsReasErrorTerm_Cnt_s16	-352		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	167469		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	191364		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	118315		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.925942659		
$tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value$	-0.75757587		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	577		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	185721		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	32162		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44770		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-301.1813734		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_Expected$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigP$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Constraints and the property of the $	tgt_DigPhsReasDiag_Per1_Gate	eDriveResetActive_Cnt_lgc	
$tgt \ Rte \ Inst \ Ap \ DigPhsReasDiag.DigPhsReasDiag \ Per1 \ LRPRCorrectedMtrPosCorrectedMtr$	tgt_DigPhsReasDiag_Per1_LRP	PRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRP	PRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRP	PRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_R$	tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeB_Cnt_Ap_DigPhsReasDiag_Diag_Per1_MeasureDOnTimeB_Cnt_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfilte$	tgt_DigPhsReasDiag_Per1_Moto	orVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Crackets Ap_$	tgt_DigPhsReasDiag_Per1_MtrE	ElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolored and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolored and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_DigPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsRea$	tgt_DigPhsReasDiag_Per1_PDA	ActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

tgt_rtto_mot_rtp_big. Hortodobildg.big. Hortodobildg_r or i_r britation oct_ont_igt	, tgt_big. Her tedebing_t er t_t brientwice teet_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)	64	64	•	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-52425620	-52425620	•	
SVDiag_FilterSV_Cnt_M_s18p13[1]	466994900	466994900	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	216178460	216178460	•	
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	•	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.75757587	0.75757587	•	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3649	3649	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	77	77	✓	
SVDiag_LowResPhsReasDisable_M_u8	9	9 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.779999971	0.78	✓	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_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	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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		
<pre>c_LowResPhsReas_Cnt_str.Threshold</pre>	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

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]	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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2007
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	590
SVDiag_LowResPhsReasDisable_M_u8	27
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	17625.13464
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	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

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



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_Igc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		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 (1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	·- · · · ·		
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_Cnt	0_ 0	<u> </u>	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC Cn	, , , , , , , , , , , , , , , , , , ,		
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	tgt DigPhsReasDiag Per1 PDActivateTest	Cnt Igc	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	~
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	64	64	✓
121 2 12 3 1 11 13 3 2 1 1 1 1 1 1 1 1 1			
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	_
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18o13f01		1	, , , , , , , , , , , , , , , , , , ,
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	1 -6113875 -12227750		-
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	-6113875	1 -6113875	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	-6113875 -12227750	1 -6113875 -12227750	· ·
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	-6113875 -12227750 -18341625	1 -6113875 -12227750 -18341625	· ·
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	-6113875 -12227750 -18341625 18	1 -6113875 -12227750 -18341625 18 ± 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	-6113875 -12227750 -18341625 18 0.195205688	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688	· · · · · · · · · · · · · · · · · · ·
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]	-6113875 -12227750 -18341625 18 0.195205688	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688	· · · · · · · · · · · · · · · · · · ·
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]	-6113875 -12227750 -18341625 18 0.195205688 1	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 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]	-6113875 -12227750 -18341625 18 0.195205688 1 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 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]	-6113875 -12227750 -18341625 18 0.195205688 1 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 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]	-6113875 -12227750 -18341625 18 0.195205688 1 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 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[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]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 1 0 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_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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 0 0 2072	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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 2072	1 -6113875 -12227750 -18341625 18±1 0.195205688 1 0 0 0 0 0 2072 800 28±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_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 2072 800 28 0.800000012	1 -6113875 -12227750 -18341625 18±1 0.195205688 1 0 0 0 0 0 2072 800 28±1 0.8	
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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 0 2072 800 28 0.800000012 0	1 -6113875 -12227750 -18341625 18±1 0.195205688 1 0 0 0 0 0 2072 800 28±1 0.8 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[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 0 2072 800 28 0.800000012 0 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 1 0 0 0 0 0 0 2072 800 28 ± 1 0.8 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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_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]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 0 2072 800 28 0.800000012 0 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 1 0 0 0 0 0 0 2072 800 28 ± 1 0.8 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_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_LRPRAdvComp_Cnt_M_u16 SVDiag_LRPRPShsdvComp_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_PrevLRPRHighSector_Cnt_M_lgc[0]	-6113875 -12227750 -18341625 18 0.195205688 1 0 0 0 0 0 0 2072 800 28 0.800000012 0 0 0	1 -6113875 -12227750 -18341625 18 ± 1 0.195205688 1 0 0 0 0 0 0 2072 800 28 ± 1 0.8 0 0 1	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 2.84 (Repeat Count = 1)		~
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	97	
SVDiag_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_Igc.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	~

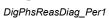
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16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

Test Step Call Trace				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	~

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
· · · · · · · · · · · · · · · · · · ·	70
VDiag_HighResPhsReasDisable_M_u8	0.82
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.62
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag_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	2231
VDiag_LowPhReasErrorAcc_Cnt_M_u16	109
VDiag_LowResPhsReasDisable_M_u8	5
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	70442.64925
VDiag_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	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2900
_ErrorFiltKn_Cnt_u16	58265
_ErrorThresh_Cnt_u32	112866
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	854.4616799
_LowResPhsReasMaxTol_Uls_f32	1.567718804
_LowResPhsReasMinTol_Uls_f32	1.272922933
_LowResPhsReas_Cnt_str.Threshold	175
_LowResPhsReas_Cnt_str.PStep	197
_LowResPhsReas_Cnt_str.NStep	994
_PhsReasEnableThresh_Cnt_u32	30410
 _PhsReasErrorTerm_Cnt_s16	-8037
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	76426
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	38382
yt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	133074
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.840172887
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	599
pt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	98848
yt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	94170
pt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	102791
pt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-777.860909
	-1
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1 1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	
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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	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]	-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_PrevLRPRAdjModldComp_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	~	

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

2231

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

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



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	



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	•

Test Step 2.87 (Repeat Count = 1)	
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
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	12
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.84
sVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
VDiag LRPRHighSector Cnt M lgc[1]	1
SVDiag LRPRHighSector Cnt M lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2455
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	218
VDiag_LowResPhsReasDisable_M_u8	50
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	21771.51829
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
sVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
VDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag PrevLRPRLowSector Cnt M lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3100
ErrorFiltKn Cnt u16	14740
	72720
_ErrorThresh_Cnt_u32	
_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
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	161442
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	88138
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	142652
at DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1
at DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	0.1
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	0
at DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	61428
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cit_u32.value	20057
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190963
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	993.4578749
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	
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_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	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)	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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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 Igc[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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsRea$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Dia$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedOnTimeConTimeC_Cnt_ExpectedOnTimeC_Cnt_ExpectedOnTimeC_Cnt_ExpectedOnTimeC_Cnt_ExpectedOnTimeC_Cnt_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Others and the property of the prope$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and approximation of the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellare and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntDisplayersDiag$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUn$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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]	-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	✓

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~		
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~		
Read_CountToRev	3	Read_CountToRev	3	~		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	27303936		
SVDiag_HighResPhsReasDisable_M_u8	89	39		
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_wi_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_0				
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]				

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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	0.10000001	0.1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✓
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.860000014	0.86	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2679	2679	✓

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

Test Step 2.90 (Repeat Count = 1)	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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2015-01-14, 13:32:58+0530





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.v	alue	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.va	alue	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_Expected0	OnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTime/	_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedO	OnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeE	3_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_Expected0	OnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTime(C_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDrive	ResetActive_(tgt_DigPhsReasDiag_Per1_Gate	DriveResetAd	ctive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorr	rectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPI	RCorrectedMt	trPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRMod	ulationIndexC	tgt_DigPhsReasDiag_Per1_LRPI	RModulationli	ndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPha	seadvanceCar	tgt_DigPhsReasDiag_Per1_LRPI	RPhaseadvar	nceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_Measured	OnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_Meas	suredOnTime	A_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_Measured	OnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_Meas	suredOnTime	B_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 Measured					
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelN	1RFUnfiltered	tqt DigPhsReasDiag Per1 Moto	orVelMRFUnfi	Itered MtrRadpS f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMe					
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivat					
Name		Actual Value		Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cr		82		82	-1000
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_t	′	0		0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus)	,	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	j
SVDiag_LRPRHighSector_Cnt_M_lgc[1]		0		0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]		0		0	
		0		0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]		0		0	j
SVDiag_LRPRLowSector_Cnt_M_lgc[1]		1		J 1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]		0		0	j
SVDiag_LRPRPhsAdvComp_Cnt_M_u16		144		0 144	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16					_
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		•	~
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	

Test Step Call Trace						
Actual Function	Count	Expected Function	Count	Result		
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~		
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓		
Read_CountToRev	3	Read_CountToRev	3	~		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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	

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



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Name	Input Value		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2903		
SVDiag LowPhReasErrorAcc Cnt M u16	298		
SVDiag LowResPhsReasDisable M u8	88		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51813.15286		
SVDiag PhaseOffset Rev M u0p16[0]	45875		
SVDiag PhaseOffset Rev M u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.6		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag PrevLRPRHighSector Cnt M lgc[1]	1		
SVDiag PrevLRPRHighSector Cnt M lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevERPRPhsAdvComp_Cnt_M_gc[2]	3500		
k_ErrorFiltKn_Cnt_u16	5338		
k_ErrorThresh_Cnt_u32	127198		
k LRPRMtrVelDiagEnable MtrRadpS T f32	327.655056		
k_LowResPhsReasMaxTol_Uls_f32	2		
k LowResPhsReasMinTol Uls f32	0.518973827		
	519		
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	992		
k_LowResPhsReas_Cnt_str.NStep	12		
k_PhsReasEnableThresh_Cnt_u32	154299		
k_PhsReasErrorTerm_Cnt_s16	-2680		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	142271		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	121043		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	116560		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	107522		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	193035		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	2851		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	607.8293472		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTi	imeB_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	· · · · · · · · · · · · · · · · · · ·		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveRes	etActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrecte	edMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag$	tgt_DigPhsReasDiag_Per1_LRPRModulat	ionIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseac	dvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnT	imeC_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_MotorVelMRF	Unfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechF	Polarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgeneration and the property of the pr$	tgt_DigPhsReasDiag_Per1_PDActivateTes	st_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]	-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	~

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



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

Test Step Call Trace			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 2.92 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	91
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.89
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag LRPRLowSector Cnt M lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3015
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	60
SVDiag LowResPhsReasDisable M u8	7
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
	7209
SVDiag_PhaseOffset_Rev_M_u0p16[0]	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.7
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3600
k_ErrorFiltKn_Cnt_u16	60939
k_ErrorThresh_Cnt_u32	13036
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	143.095156
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	1.35253036
k_LowResPhsReas_Cnt_str.Threshold	676
k_LowResPhsReas_Cnt_str.PStep	856
k_LowResPhsReas_Cnt_str.NStep	447
k_PhsReasEnableThresh_Cnt_u32	145207
k_PhsReasErrorTerm_Cnt_s16	-4431
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	129983
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	31928
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	153453
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.1
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	0
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	193360
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	163901
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	10191
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	506.1385592
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_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.DigPhsReasDiag_Per1_GateDriveResetActive_	_c tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc



Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptage and the property of the proper$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt$	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]	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	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3015	3015	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	✓
Pte Call DigPhsPeasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 ChecknointReached	1	

Test Step 2.93 (Repeat Count = 1)	The second secon
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 Igc[0]	0

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



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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_PhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_PhsRead_PhsRea$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prop$	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			
Name	Actual Value	Expected 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	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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 98304 106496 70 0.91 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
81920 98304 106496 70 0.91 1 1 1 1 1 1 1 1 3239
98304 106496 70 0.91 1 1 1 1 1 1 1 1 3239
106496 70 0.91 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
70 0.91 1 1 1 1 1 1 1 3239
0.91 1 1 1 1 1 1 1 3239
1 1 1 1 1 1 1 3239
1 1 1 1 1 1 3239
1 1 1 1 3239
1 1 1 3239
1 1 3239
1 1 3239
3239
3239
51
45994.97875
6554
13107
19661
0.9
1
1
1
1
1
1
3800
14530
134336
103.7889451
1.621960759
2
530
490
106
190427
9299
44056
107806
32536
1
0.1
0.1
0.1
115573
98640
95086
1011.918054
1
0
t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
C tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
C tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
at tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
nt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
1



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_MtrElecMechPolarity_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)	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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	-
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_MaxNrCommOffVItg_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	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	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_L	_RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCollege (Application of the College (Appli$	tgt_DigPhsReasDiag_Per1_L	_RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhase advance Carrier and the property of the propert$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarching and the property of the p$	tgt_DigPhsReasDiag_Per1_f	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_f	MotorVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_f	MtrElecMechPolarity_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			
Name	Actual Value	Expected 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	-

Test Step Call Trace				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 2.96 (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	

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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

DigPhsReasDiag_Per1

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



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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.93000007	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	✓

Test Step Call Trace				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

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





Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	978		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	141166		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	9017		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	184209		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	902.6384709		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Barrier = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_Output = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(Approximately Approximately Approximate$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnr	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnown and the property of the property o$	t tgt_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_Cr	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]	8192000	8192000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	16384000	-
SVDiag_FilterSV_Cnt_M_s18p13[2]	9102375	9102375	•
SVDiag_HighResPhsReasDisable_M_u8	83	83 ± 1	-
SVDiag 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 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	978	978	-
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	✓
SVDiag LowResPhsReasDisable M u8	99	99 ± 1	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.93999998	0.94	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	-
SVDiag PrevLRPRHighSector Cnt M lgc[1]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3575	3575	_
	127.7	1	

Test Step Call Trace				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 2.98 (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	

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



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	~

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



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	~

Test Step Call Trace				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 2.99 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	20
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.96
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3799
SVDiag LowPhReasErrorAcc Cnt M u16	833
SVDiag LowResPhsReasDisable M u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29136.56314
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector Cnt M lgc[0]	0
SVDiag_FrevERPRHighSector_Crit_M_igc[0] SVDiag_PrevERPRHighSector_Crit_M_igc[1]	0
0_ 0 2 0 11	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000
k_ErrorFiltKn_Cnt_u16	16056
k_ErrorThresh_Cnt_u32	133658
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	542
k_LowResPhsReas_Cnt_str.PStep	181
k_LowResPhsReas_Cnt_str.NStep	463
k_PhsReasEnableThresh_Cnt_u32	185422
k_PhsReasErrorTerm_Cnt_s16	7333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	52601
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	33035
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	199927
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-915
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4297
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	53978
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	81044
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	955.9420398
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Ci	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Ci	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	nt_ltgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
tot Rte Inst An 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	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact (a) and the property of the pr$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorial Control of the Con$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorial Control of the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotes and the property of the property $	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_Ig0	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected 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_PrevLRPRAdjModldComp_Cnt_M_f32	0.959999979	0.96	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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)	l de la company de la comp
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	10
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.97
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3911
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55
SVDiag_LowResPhsReasDisable_M_u8	69
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64013.41653
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.3
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1.

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	
	[** *	[* * * * * ·	•



Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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



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Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	d_ tgt_DigPhsReasDiag_Per1_MotorVelMRFU	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_	Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_ReasDiag_Per1_PDActivateTest_Cnt_ReasDiag_Per1_PDActivateTest_PDAc$	gc tgt_DigPhsReasDiag_Per1_PDActivateTest	_Cnt_lgc	
Name	Actual Value	Expected 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	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum_Cont_T$) 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_PrevLRPRAdjModldComp_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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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]	-819200
SVDiag_filterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Ont_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable M u8	7
SVDiag_HighNesh histocasDisable_M_uc	0.99
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0.33
SVDiag_ERTRIIghSector_Ont_M_igc[1]	0
SVDiag_ERTRINGISECTOR_ONT_M_Igc[1]	0
SVDiag_ERTRINGISCOID_GIR_W_igc[2]	1
SVDiag_LRPRLowSector_Ont_M_lgc[1]	1
SVDiag_ERR RESWESSIGNE_M_gg[r]	1
SVDiag_ERTREAMOGRANG_MMgg[2] 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_MaxWoonmonviig_ont_W_i52 SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7864
SVDiag PhaseOffset Rev M u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_igc[1]	0
SVDiag PrevLRPRHighSector Cnt M lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_revERN REOWSector_Cnt_M_gc[0]	1
SVDiag_FrevERFRLowSector_Cnt_M_gc[1]	1
SVDiag_revLRPRPhsAdvComp Cnt M u16	4300
c ErrorFiltKn Cnt u16	9891
CErrorThresh Cnt u32	127344
CLRPRMtrVelDiagEnable MtrRadpS T f32	594.0176252

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



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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnotestarce and the property of the prop$	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	•

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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		
C 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_NxtrDiagMigr_SetNTCStatus(NTC_Cfit_i_e Rte_Call_Ap_digPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T		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

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]	1	1	~
SVDiag LRPRHighSector Cnt M Igc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	377	377	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.050000007	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	✓

Test Step Call Trace				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

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





Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Barrier and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Option{A content of the content of th$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersUpdates and the property of the p$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Ci	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 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	6026	6026	•
SVDiag LowPhReasErrorAcc Cnt M u16	32	32	✓
SVDiag LowResPhsReasDisable M u8	87	87 ± 1	-
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.100000001	0.1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6100	6100	-

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	_

Test Step 2.105 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	46	
SVDiag_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	

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



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 - 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	~

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



Name	Actual Value	Expected Value	Result
Hame	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	✓

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	variable and the second of
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
<pre>c_ErrorThresh_Cnt_u32</pre>	151830
CLRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
C_LowResPhsReasMaxTol_Uls_f32	1.715960026
C_LowResPhsReasMinTol_Uls_f32	1.025065541
<pre>c_LowResPhsReas_Cnt_str.Threshold</pre>	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





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	/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_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	_Cr 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
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	Ō	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
0.40; 5:4, 0.4, 0.4, 44, 40, 40,70;	0500000	0500000	

Name	Actual Value	Expected 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	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5900	5900	-

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

Test Step 2.107 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	30
SVDiag_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	



Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRe$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	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]	-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	0.300000012	0.3	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4807	4807	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	Rte Call DigPhsReasDiag Per1 CP1 CheckpointReached	1	_

Test Step 2.109 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.35
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4919
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	70
SVDiag_LowResPhsReasDisable_M_u8	74
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5000
k_ErrorFiltKn_Cnt_u16	47864
k_ErrorThresh_Cnt_u32	72396
k LRPRMtrVelDiagEnable MtrRadpS T f32	646.7417888

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



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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ExpectedO$	tgt_DigPhsReasDiag_Per1_Expe	ctedOnTimeA_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_Exper	ctedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedO$	tgt_DigPhsReasDiag_Per1_Expe	ctedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order (Applied From From From From From From From From$	tgt_DigPhsReasDiag_Per1_GateI	DriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPF	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPF	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPF	RPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Ap_DigPhsReasDiag.DigPhsR$	tgt_DigPhsReasDiag_Per1_Meas	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_Meas	suredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_Meas	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_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_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_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_$	tgt_DigPhsReasDiag_Per1_Motor	rVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States are also become a contraction of the contractio$	tgt_DigPhsReasDiag_Per1_MtrEl	ecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDAc	ctivateTest_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]	-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	✓

Test Step Call Trace				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 2.110 (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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@ Report created b	v TESSY V3.1.7	report template V2.1	

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
	0.184053838	0.184053838	Kesuit
SVDiag_LRPRAdjModldAComp_Cnt_M_f32		0.164053636	_
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	0.40000006	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	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5031	5031	✓

Test Step Call Trace				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 in the second of the
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

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





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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnice Approximation and the property of t$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnickled (Continuous) and the properties of the pro$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnrows and the property of the property o$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetA$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosition{ $	c 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 LRPRPhaseadvanceCa	aı tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Per1_MeasuredOnTimeA_Cross_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CrossPersOnTimeB_Cross$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_Read_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1_$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the property of $	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Constraints = 0.0000000000000000000000000000000000$	cr tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	82 0	82 0	~
	0		· ·
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)$	0	0	· · · · · · · · · · · · · · · · · · ·
$\label{limit} Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) \\ Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) \\$	0	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]	0 0 6145766	0 0 6145766	~
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] SVDiag_FilterSV_Cnt_M_s18p13[1]	0 0 6145766 12270115	0 0 6145766 12270115	· ·
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] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	0 0 6145766 12270115 18394464	0 0 6145766 12270115 18394464	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	0 0 6145766 12270115 18394464 10	0 0 6145766 12270115 18394464 10 ± 1	\rightarrow \frac{1}{2}
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] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0 0 6145766 12270115 18394464 10 0.707552671	0 0 6145766 12270115 18394464 10±1 0.707552671	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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] 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]	0 0 6145766 12270115 18394464 10 0.707552671	0 0 6145766 12270115 18394464 10 ± 1 0.707552671	· · · · · · · · · · · · · · · · · · ·
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] 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]	0 0 6145766 12270115 18394464 10 0.707552671 1	0 0 6145766 12270115 18394464 10±1 0.707552671 1	· · · · · · · · · · · · · · · · · · ·
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] 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]	0 0 6145766 12270115 18394464 10 0.707552671 1	0 0 6145766 12270115 18394464 10±1 0.707552671 1 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] 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]	0 0 6145766 12270115 18394464 10 0.707552671 1 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 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] 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[0]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 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] 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]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 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] 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_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 0 1823	· · · · · · · · · · · · · · · · · · ·
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] 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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 0 1823 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] 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_LowPhsReasDisable_M_u8	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 1 0 1823 0 10±1	
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] 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_LRPRRAdjModldComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0 10 0.449999988	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 0 1823 0 10±1 0.45	
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] 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[1] 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_LRPRHoseCotn_Cnt_M_lgc[2] SVDiag_LRPRHoseCotn_Cnt_M_lgc[2] SVDiag_LRPRHoseCotn_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0 10 0.449999988	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 1 0 1823 0 10±1 0.45	
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] 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHosector_Cnt_M_lgc[2] SVDiag_LRPRHoseSetor_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPrRAdjModIdComp_Cnt_M_132 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0 10 0.449999988 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 0 1 1 0 1823 0 10±1 0.45 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] 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[1] 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_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_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[1]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0 10 0.449999988 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 1 0 1823 0 10±1 0.45 0 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] 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[1] SVDiag_LRPRHowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRSAdvComp_Cnt_M_u16 SVDiag_LRPRShadvComp_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_PrevLRPRHighSector_Cnt_M_lgc[0]	0 0 6145766 12270115 18394464 10 0.707552671 1 0 0 0 1 1 0 1823 0 10 0.449999988 0 0	0 0 6145766 12270115 18394464 10±1 0.707552671 1 0 0 1 0 1 1 0 1823 0 10±1 0.45 0	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_lgc[1]	1	

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



		(12 16 16 16
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	~

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



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

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

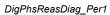
Test Step 2.113 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	96
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.55
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5367
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	182
SVDiag LowResPhsReasDisable M u8	10
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	65766.99189
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.95
· · · · · · · · · · · · · · · · · · ·	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	5400
k_ErrorFiltKn_Cnt_u16	65141
k_ErrorThresh_Cnt_u32	167447
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	272.7560112
k_LowResPhsReasMaxTol_Uls_f32	0.064098895
k_LowResPhsReasMinTol_Uls_f32	1.66252774
k_LowResPhsReas_Cnt_str.Threshold	553
k_LowResPhsReas_Cnt_str.PStep	254
k_LowResPhsReas_Cnt_str.NStep	686
k_PhsReasEnableThresh_Cnt_u32	15493
k_PhsReasErrorTerm_Cnt_s16	7785
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	145379
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	53377
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	125101
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.157696962
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.677369952
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1404
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	131975
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	51216
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	88504
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-944.7037332
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	1
tgt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	0
tgt_DigPnsReasDiag_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_Cnl	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	t_tgt_bigPnskeasblag_Per1_GatebrivekesetActive_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptor and the property of the property o$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPolArity_Cross_Read_Per1_MtrElecMechPo$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	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]	-46713	-46713	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-93426	-93426	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-140139	-140139	~
SVDiag_HighResPhsReasDisable_M_u8	97	97 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.677369952	0.677369952	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4476	4476	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	11	11 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.550000012	0.55	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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

5367

0

1

1

5367

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		/\tou\t
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		





Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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
VDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
VDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
VDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
VDiag_HighResPhsReasDisable_M_u8	96
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.55
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	5367
VDiag_LowPhReasErrorAcc_Cnt_M_u16	182
VDiag LowResPhsReasDisable M u8	10
VDiag_MaxNrCommOffVltg_Cnt_M_f32	65766.99189
VDiag_PhaseOffset_Rev_M_u0p16[0]	9175
VDiag_PhaseOffset_Rev_M_u0p16[1]	9830
VDiag_FriaseOffset_Rev_M_u0p16[2]	10486
0	0.95
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	
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	5400
_ErrorFiltKn_Cnt_u16	65141
_ErrorThresh_Cnt_u32	167447
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	272.7560112
_LowResPhsReasMaxTol_Uls_f32	0.064098895
LowResPhsReasMinTol_Uls_f32	1.66252774
LowResPhsReas_Cnt_str.Threshold	553
LowResPhsReas Cnt str.PStep	254
LowResPhsReas_Cnt_str.NStep	686
PhsReasEnableThresh Cnt u32	15493
PhsReasErrorTerm_Cnt_s16	7785
at DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	145379
pt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	53377
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	125101
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
yt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.157696962
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.677369952
yt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1404
pt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	131975
pt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	51216
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	88504
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-944.7037332
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cr	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	
yt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	1
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Ci	nt_tgt_bigPrisReasblag_Per1_MeasuredOnTimeA_Cnt_u32
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ci	at tot DieDheDeseDies Dard Mass. 10 Til D 0 1 00



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	45682269	45682269	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-45887549	-45887549	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	234432602	234432602	~
SVDiag_HighResPhsReasDisable_M_u8	97	97 ± 1	~
SVDiag_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	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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

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



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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadPh$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrEl$	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

tgt_rtto_mot_rtp_big. Hortodobildg.big. Hortodobildg_r or i_r britation oct_ont_igt	tgig. Her todobilag_r or i_r britation oc_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)	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_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	5479	5479	✓

Test Step Call Trace				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 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	

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



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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_			
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 his/casbiag.bigi his/casbiag_i ci i_i bActivate rest_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	✓

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



Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0	0	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	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 Igc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6144
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000
SVDiag_LowResPhsReasDisable_M_u8	100
SVDiag MaxNrCommOffVltg Cnt M f32	72000
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535
	1
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevERPRHighSector_Cnt_M_lgc[2]	1
SVDiag PrevERPRLowSector Cnt M lgc[0]	1
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1
	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhoAduComp_Cnt_M_u16	6144
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	65535
k_ErrorFitKn_Cnt_u16	200000
k_ErrorThresh_Cnt_u32	1000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32 k_LowResPhsReasMaxTol_Uls_f32	2
	2
k_LowResPhsReasMinTol_Uls_f32	1000
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	
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	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1 Let DisDhaDasaDian Dard EvacetedOnTimeA Cat (122)
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_Digr_narveaaDidg_Fet1_ExpectedOffTilleA_Offt_U32





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32		C_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveResetA	ctive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	ftrPosCaptured_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	Caរុ tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tht tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_I$	red_tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	y_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

_tgt_Kte_inst_Ap_bigFitsReasblag.bigFitsReasblag_Fet1_FbActivate1est_Ctit_igt	t tgt_bigFilsReasblag_Feli_FbActivateTest_	_Crit_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]	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	~

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

Test Step 3.3 (Repeat Count = 1)	van de la companya d
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	825
SVDiag_LowResPhsReasDisable_M_u8	83
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	23201.52463
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.11
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0

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	~



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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 3.4 (Repeat Count = 1)	
lame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	819200
VDiag_FilterSV_Cnt_M_s18p13[1]	1638400
VDiag_FilterSV_Cnt_M_s18p13[2]	2457600
VDiag_HighResPhsReasDisable_M_u8	15
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.2
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	200
VDiag_LowPhReasErrorAcc_Cnt_M_u16	175
VDiag_LowResPhsReasDisable_M_u8	15
VDiag_MaxNrCommOffVltg_Cnt_M_f32	41946.39624
VDiag_PhaseOffset_Rev_M_u0p16[0]	26214
VDiag_FlaseOffset_Rev_M_u0p10[0] VDiag_PhaseOffset_Rev_M_u0p16[1]	32768
VDiag_PriaseOffset_Rev_M_u0p16[1] VDiag_PhaseOffset_Rev_M_u0p16[2]	39322
	0.12
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
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	222
_ErrorFiltKn_Cnt_u16	29575
_ErrorThresh_Cnt_u32	90315
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109
_LowResPhsReasMaxTol_Uls_f32	0.714330018
_LowResPhsReasMinTol_Uls_f32	0.016816556
_LowResPhsReas_Cnt_str.Threshold	362
_LowResPhsReas_Cnt_str.PStep	877
_LowResPhsReas_Cnt_str.NStep	358
_PhsReasEnableThresh_Cnt_u32	134931
_PhsReasErrorTerm_Cnt_s16	-261
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26331
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	95681
yt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	57225
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
at DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	-0.540214658
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-1072
pt_DigPhsReasDiag_Per1_ERFRF1faseauvanceCaptured_Crit_s16.value	200000
pt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Ont_us2.value	33061
	26932
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
yt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	391.1978135
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_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	7 - 7 - 7 - 7 - 7
t 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_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	at tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
	nt tgt DigPhsReasDiag Per1 MeasuredOnTimeC 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_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]	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	~

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

Test Step 3.5 (Repeat Count = 1)	ن ا
Name	Innut Value
	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

DigPhsReasDiag_Per1

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeB_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ExpectedOnTim$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output Personal Control of the Contro$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDiagPhsReasDiagPhsReadPh$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRe$	tered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	ity_Cr_tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSDIAGERSD$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected 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	✓

tgtto_moctp_big. nortodobidg.big. nortodobidgto.tbrickvatoroot_ont_igt	tgt_Digi nortodoDidg_r ort_r Driotratorott		
Name	Actual Value	Expected 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	0.300000012	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	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	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/metals/ <_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 second or content o</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

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]	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	~

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	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





Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.285947561		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-198		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29839		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	31276		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-268.5858883		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_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 lgc	
Name	Actual Value	Expected 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 Igc[0]	1	1	
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 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 PrevLRPRAdjModldComp Cnt M f32	0.400000006	0.4	_
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	400	400	
	1700	100	•

Test Step Call Trace				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 3.8 (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	

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



		(
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 lqc[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-Desphie Bord ForestedOrTime A Oct 1999	
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	~

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



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	✓

Test Step Call Trace				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 3.9 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	60
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0
SVDiag LowPhReasErrorAcc Cnt M u16	0
SVDiag LowResPhsReasDisable M u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0
SVDiag PrevLRPRHighSector Cnt M Igc[0]	0
SVDiag PrevLRPRHighSector Cnt M Igc[1]	0
SVDiag PrevLRPRHighSector Cnt M lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_FrevERFREowSector_Cnt_M_gc[t] SVDiag_PrevERPREowSector_Cnt_M_gc[t]	0
	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	0
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0
k_LowResPhsReas_Cnt_str.Threshold	0
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	-10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	260000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	0
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-1118
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Ci	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Ci	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive	_t_tgt_big=nskeasblag_Peri_GatebrivekesetActive_Unt_lgc



Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	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_LRPRPhaseadvanceCaption and the property of the property $	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt$	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		

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

Test Step 3.10 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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



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	~



Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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

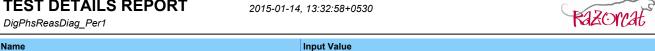


Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Crange and the property of the proper$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.600000024	0.6	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600	600	~

Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	~

Test Step 3.12 (Repeat Count = 1)	· ·
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag FilterSV Cnt M s18p13[1]	45506560
SVDiag FilterSV Cnt M s18p13[2]	54607872
SVDiag HighResPhsReasDisable M u8	67
SVDiag 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 Igc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	718
SVDiag_LowResPhsReasDisable_M_u8	38
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	68632.40339
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.24
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1554
k_ErrorFiltKn_Cnt_u16	7290
k_ErrorThresh_Cnt_u32	141432
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	718.4851848





Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.138592422		
k_LowResPhsReas_Cnt_str.Threshold	91		
k_LowResPhsReas_Cnt_str.PStep	222		
k_LowResPhsReas_Cnt_str.NStep	973		
k_PhsReasEnableThresh_Cnt_u32	48985		
k_PhsReasErrorTerm_Cnt_s16	3097		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193562		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	520		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	164452		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	150060		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	32449		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-570.0968587		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigP$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeA_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_E	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsR$	tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_0	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_l	_RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_L	_RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and approximation of the property of the prope$	tgt_DigPhsReasDiag_Per1_l	_RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_f	MeasuredOnTimeA_Cnt_u32	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt}$	tgt_DigPhsReasDiag_Per1_f	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_f	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_f	MotorVelMRFUnfiltered_MtrRadpS_f32	
$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 $		7	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_F	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	✓

Test Step Call Trace				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 3.13 (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	~

Test Step Call Trace				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	Import Value
	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	89
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.83
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2343
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843
SVDiag_LowResPhsReasDisable_M_u8	60
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000
c_ErrorFiltKn_Cnt_u16	21474
c_ErrorThresh_Cnt_u32	87498
c_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
<pre>c_LowResPhsReasMaxTol_Uls_f32</pre>	0
c_LowResPhsReasMinTol_Uls_f32	1.684043169
 <pre>LowResPhsReas_Cnt_str.Threshold</pre>	314
	817
C LowResPhsReas Cnt str.NStep	832
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 Igc.value	1

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





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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Barrier and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_GateDriveResetActiv$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	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_CnappersConTimeC_CnappersConTimeC_CnappersConTimeCDIAGE $	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_DigPhsReasDiagD$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color = 0.0000000000000000000000000000000000$	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)	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	-
SVDiag_FilterSV_Cnt_M_s18p13[2]	18370752	18370752	✓
SVDiag_HighResPhsReasDisable_M_u8	90	90 ± 1	-
SVDiag_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_Igc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	-
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	✓
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	•
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.829999983	0.83	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	-
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2343	2343	-
U			

Test Step Call Trace				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 3.15 (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	

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



		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	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517 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	~

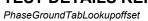
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag PrevLRPRPhsAdvComp Cnt M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

Test Step Call Trace			✓	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP1_CheckpointReached	1	-

2015-01-14, 13:34:32+0530





Project CBD_SVDiag

Module DigPhsReasDiag

Test Object PhaseGroundTabLookupoffset

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT) \SVDiag\utp\contract -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 (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): 1788 Total RAM 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	<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

2015-01-14, 13:34:32+0530



PhaseGroundTabLookupoffset

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



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)			V
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	✓

2015-01-14, 13:35:08+0530



Read_CountToRev

 Project
 CBD_SVDiag

 Module
 DigPhsReasDiag

 Test Object
 Read_CountToRev

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)\	

Comments/Description/Spe	ecification
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: 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: Nextere EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 1788 Total RAM Used (Bytes): 80 Total CALS 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" inction, 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

2015-01-14, 13:35:08+0530



Read_CountToRev

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





Test Case 1: Boundary Test

Read_CountToRev

Specification

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

Description Vector Description

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

Test Step 1.1 (Repeat Count = 1)					✓
Name	Input	t Value			
Var_Cnt_T_u16	0				
Name	Actu	al Value	Expected Va	ue	Result
Read_CountToRev()	0		0		~

Test Step 1.2 (Repeat Count = 1)		✓	
Name	Input Value		
Var_Cnt_T_u16	6144		
Name	Actual Value	Expected Value	Result
Read_CountToRev()	0	0	~

Test Step 1.3 (Repeat Count = 1)			V
Name	Input Value		
Var_Cnt_T_u16	5000		
Name	Actual Value	Expected Value	Result
Read_CountToRev()	53333	53333	•

2015-01-14, 13:33:32+0530





 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

2015-01-14, 13:33:32+0530



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

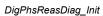
Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS1.1 17.00 Cycles

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

2015-01-14, 13:28:42+0530



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

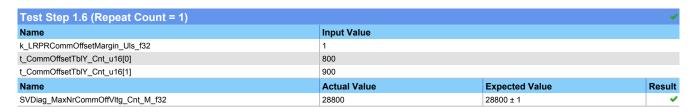
Test Step 1.4 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
t_CommOffsetTblY_Cnt_u16[0]	100		
t_CommOffsetTblY_Cnt_u16[1]	200		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2880	2880 ± 1	~

Test Step 1.5 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1.2		
t_CommOffsetTblY_Cnt_u16[0]	1000		
t_CommOffsetTblY_Cnt_u16[1]	1100		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43200	43200 ± 1	~

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Test Step 1.7 (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	✓