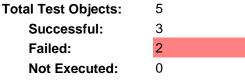
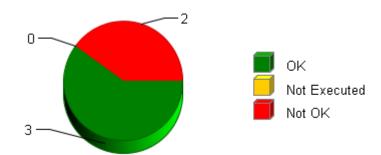


Summary

Overall Test Object Results (including Coverage)



Date: 2015-01-14 **Time:** 13:46:28+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

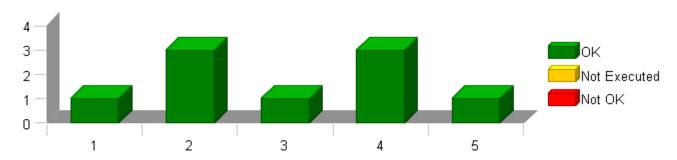
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No

Instrumentation: Test Object Only

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

Decision Coverage, Multiple Condition Coverage

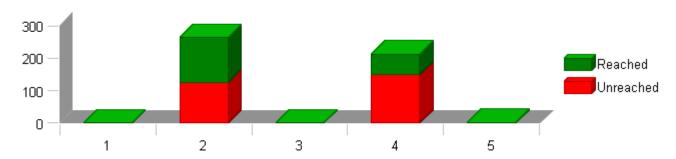
Test Case Results for Each Test Object (without Coverage)



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).

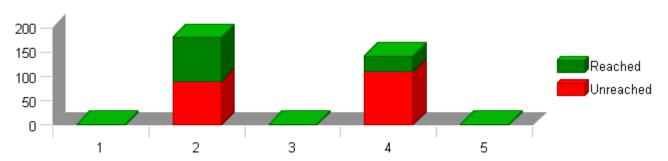


Statement (C0) Coverage: Total Statements for Each Test Object



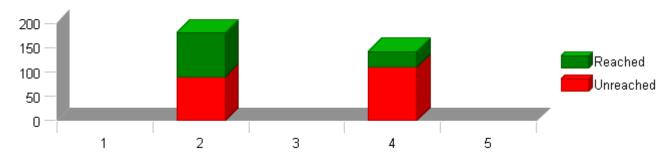
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

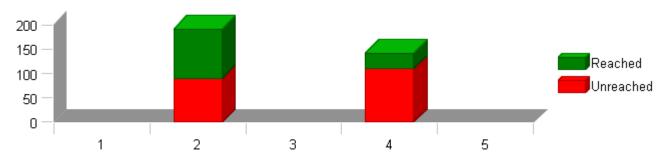


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



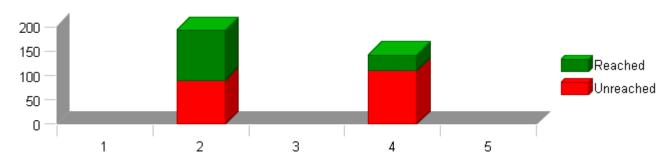
MC/DC Coverage: Total Condition Combinations for Each Test Object



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 Object List

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

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

No.	Name	C0	C 1	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	<u>DigPhsReasDiag_Trans1</u>	100 %	100 %	-	-	-	1 of 1 passed	•
4	<u>PhaseGroundTabLookupoffset</u>	29.57 %	22.53 %	22.53 %	22.53 %	22.53 %	3 of 3 passed	*
5	Read CountToRev	100 %	100 %	-	-	-	1 of 1 passed	~

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PhaseGroundTabLookupoffset

Project CBD_SVDiag

Module DigPhsReasDiag

Test Object PhaseGroundTabLookupoffset

Instrumentation: Test Object Only

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

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PhaseGroundTabLookupoffset

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



PhaseGroundTabLookupoffset

Test Case 1: Metrics Test

Specification

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

Description Vector Description:

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

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	~
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	✓

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	~
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✓

Test Case 2: Boundary Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS2.1 53.00 Cycles TS2.2 35.00 Cycles

Description

Vector Description:
TS2.1 MtrElecMechPol_Cnt_T_s08=Min
TS2.2 MtrElecMechPol_Cnt_T_s08=Max

Test Step 2.1 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	✓
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✓

Test Step 2.2 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	0	✓
SVDiag_PhaseOffset_Rev_M_u0p16[1]	43691	43691	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	21845	21845	✓



PhaseGroundTabLookupoffset Test Case 3: Path Test

Specification

Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS3.1 35.00 Cycles TS3.2 53.00 Cycles

Description

Vector Description:
TS3.1 (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) =True
TS3.2 (D_POSITIVEONE_CNT_S8 = MtrElecMechPol_Cnt_T_s08) = False

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

Test Step 3.2 (Repeat Count = 1)			✓
Name	Input Value		
MtrElecMechPol_Cnt_T_s08	-1		
Name	Actual Value	Expected Value	Result
SVDiag_PhaseOffset_Rev_M_u0p16[0]	10923	10923	~
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	32768	✓
SVDiag_PhaseOffset_Rev_M_u0p16[2]	54614	54614	✓

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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_v	
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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>	
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src	
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd	
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>	
Target Install Path	\$(ProgramFiles)\pls	
Time Unit	Cycles	
Timer Enabled	false	
Timer Prescale	0	
Timer Resolution	1	

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DigPhsReasDiag_Init

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



Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.95		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0	0 ± 1	~

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000	72000 ± 1	~

Test Step 1.3 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.88		
t_CommOffsetTblY_Cnt_u16[0]	500		
t_CommOffsetTblY_Cnt_u16[1]	600		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15840	15840 ± 1	~

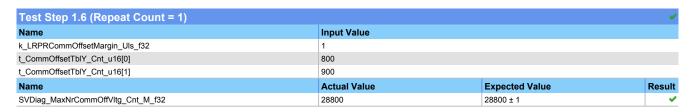
Test Step 1.4 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
_CommOffsetTblY_Cnt_u16[0] 100			
t_CommOffsetTblY_Cnt_u16[1]	200		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	2880	2880 ± 1	~

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

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DigPhsReasDiag_Init



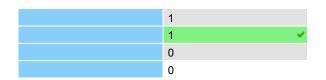
Test Step 1.7 (Repeat Count = 1)		✓	
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	0.8		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVItg_Cnt_M_f32	0	0 ± 1	~

Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
k_LRPRCommOffsetMargin_Uls_f32	1.2		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
Name	Actual Value	Expected Value	Result
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	86400	86400 ± 1	✓



CBD_SVDiag
DigPhsReasDiag
Read_CountToRev

100 % 100 %



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

Module 'DigPhsReasDiag'	Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_DigPhsReasDiag.c Code File(s) Version: 14 Module Design Document: DigPhsReasDiag_MDD.docx Module Design Document Version: 16 Data Dictionary Version: 11 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: 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"* incition due to ""FxpectedOnTimeA_Cnt_u32"* to cover ""HighResError_Cnt_T_s32[i] >= 262136"" and ""HighResError_Cnt_T_s32[i] >= -262136"" path in P 2.9 and P 2.10 respectively. 4)100% coverage cannot be achieved in ""PhaseGroundTabLookupoffset"* Function due to ""FPM_Fix_m"" macro usage. 5)""CBD_Sandbox_dbg.map"" map file is embedded for reference."

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





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

Read_CountToRev()



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

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

Vector Description

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

TS1.3	3 Var_Cnt_T_u16=Pos		
			✓
Var_Cnt_T_u16		0	

0

0

			✓
Var_Cnt_T_u16	6144		
Read_CountToRev()	0	0	~

			✓
Var_Cnt_T_u16	5000		
Read_CountToRev()	53333	53333	

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 Project
 CBD_SVDiag

 Module
 DigPhsReasDiag

 Test Object
 DigPhsReasDiag_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3
Successful	3
Failed	0
Not Executed	0

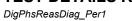
Module Properties

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

Name	Text
Module 'DigPhsReasDiag'	Name of Tester: Madhuparna Duarah Code File(s) Under Test: Ap_DigPhsReasDiag.c Code File(s) Version: 14 Module Design Document: DigPhsReasDiag_MDD.docx Module Design Document Version: 16 Data Dictionary Version: 11 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 1788 Total RAM Used (Bytes): 80 Total CALS Used (Bytes): 50 Special Test Requirements: Test Date: 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"" 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 ""DigPhsReasDrag_Per1" 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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls

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



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_u00 == 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

Name	Input Value
	•
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag -8192000
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000 -16384000
SVDiag_FilterSV_Cnt_M_s18p13[1]	111111111111111111111111111111111111111
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000 -
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.11
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	805
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	22376.89913
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.2
SVDiag PrevLRPRHighSector Cnt M 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	1110
c ErrorFiltKn Cnt u16	55082
c ErrorThresh Cnt u32	45204
C LRPRMtrVelDiagEnable MtrRadpS T f32	19.95787042
CLOWResPhsReasMaxTol Uls f32	0.650341809
CLOWRESPHSReasMinTol Uls f32	0.363156259
C_LowResPhsReas WillTol_ois_is2 LowResPhsReas Cnt str.Threshold	104
	371
<_LowResPhsReas_Cnt_str.PStep	
<_LowResPhsReas_Cnt_str.NStep	645
<pre><_PhsReasEnableThresh_Cnt_u32</pre>	156256
<pre>k_PhsReasErrorTerm_Cnt_s16</pre>	3701
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36333
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	132972
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.488293409
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.942175508
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1375
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	128546
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	48692
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142361
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	629.7181177

DigPhsReasDiag_Per1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReaDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_Expected$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveReset/	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 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_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaDIAG_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read$	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_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~

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)	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	~

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

Test Step 1.2 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.86
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2679
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843
SVDiag_LowResPhsReasDisable_M_u8	100
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107

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Name	Input Value		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3300		
k_ErrorFiltKn_Cnt_u16	21474		
k_ErrorThresh_Cnt_u32	87498		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108		
k_LowResPhsReasMaxTol_UIs_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 137672		
k_PhsReasEnableThresh_Cnt_u32	4047		
k_PhsReasErrorTerm_Cnt_s16 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 Igc.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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_Ex	xpectedOnTimeA_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	tgt_DigPhsReasDiag_Per1_Ex	xpectedOnTimeB_Cnt_u32	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt}$	tgt_DigPhsReasDiag_Per1_E	xpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_G	ateDriveResetActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LF	RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCollege (Application of the College (Appli$		RPRModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa		RPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	0_ 0_ 0		
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		lotorVeIMRFUnfiltered_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

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)	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	455216334	455216334	~
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.100000001	0.1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	•
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.860000014	0.86	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2679	2679	~

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

DigPhsReasDiag_Per1

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Test Case 2: Boundary Test

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Specification

DigPhsReasDiag_Per1

Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: CPU Cycles: TS2.1 5058.00 Cycles TS2.2 5308.00 Cycles TS2.3 5064.00 Cycles TS2.4 4592.00 Cycles TS2.5 4346.00 Cycles TS2.6 4997.00 Cycles TS2.7 5181.00 Cycles TS2.7 5181.00 Cycles TS2.8 5043.00 Cycles TS2.9 4321.00 Cycles TS2.10 5085.00 Cycles TS2.11 4452.00 Cycles TS2.12 4318.00 Cycles TS2.13 4946.00 Cycles TS2.14 4940.00 Cycles TS2.15 4826.00 Cycles TS2.16 5250.00 Cycles TS2.17 4367.00 Cycles TS2.18 4981.00 Cycles TS2.19 4889.00 Cycles TS2.18 4981.00 Cycles TS2.19 4889.00 Cycles TS2.19 4889.00 Cycles TS2.21 4882.00 Cycles TS2.22 5012.00 Cycles TS2.22 5012.00 Cycles TS2.23 4890.00 Cycles TS2.24 4936.00 Cycles TS2.25 2665.00 Cycles TS2.26 4884.00 Cycles TS2.26 4884.00 Cycles TS2.29 4689.00 Cycles TS2.29 4689.00 Cycles TS2.30 5001.00 Cycles TS2.31 4880.00 Cycles TS2.32 4796.00 Cycles TS2.33 4890.00 Cycles TS2.33 4890.00 Cycles TS2.34 4890.00 Cycles TS2.35 4576.00 Cycles TS2.36 4883.00 Cycles TS2.37 4280.00 Cycles TS2.38 4863.00 Cycles TS2.39 4717.00 Cycles TS2.39 4717.00 Cycles TS2.39 4717.00 Cycles TS2.41 4974.00 Cycles TS2.42 4302.00 Cycles TS2.43 5016.00 Cycles TS2.44 5130.00 Cycles TS2.44 5130.00 Cycles TS2.45 4317.00 Cycles TS2.46 4715.00 Cycles TS2.47 4480.00 Cycles TS2.48 4655.00 Cycles TS2.49 4957.00 Cycles TS2.49 4957.00 Cycles TS2.55 4468.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 4500.00 Cycles TS2.55 5500.00 Cycles TS2.55 4500.00 Cycles TS2.56 5191.00 Cycles TS2.57 5198.00 Cycles TS2.58 4903.00 Cycles TS2.57 5198.00 Cycles
TS2.58 4903.00 Cycles
TS2.59 5078.00 Cycles
TS2.60 5130.00 Cycles
TS2.61 4898.00 Cycles
TS2.61 4898.00 Cycles
TS2.62 4589.00 Cycles
TS2.63 4827.00 Cycles
TS2.64 5000.00 Cycles
TS2.65 4481.00 Cycles
TS2.66 4727.00 Cycles
TS2.67 5082.00 Cycles
TS2.67 5082.00 Cycles
TS2.69 4758.00 Cycles
TS2.70 4706.00 Cycles
TS2.71 4719.00 Cycles
TS2.72 4708.00 Cycles
TS2.73 4872.00 Cycles
TS2.74 4793.00 Cycles
TS2.75 4631.00 Cycles
TS2.77 4250.00 Cycles
TS2.77 4250.00 Cycles
TS2.77 4250.00 Cycles
TS2.78 4946.00 Cycles
TS2.79 4863.00 Cycles TS2.78 4946.00 Cycles TS2.79 4863.00 Cycles TS2.80 5181.00 Cycles TS2.81 5334.00 Cycles TS2.82 4997.00 Cycles TS2.83 5052.00 Cycles TS2.84 4756.00 Cycles TS2.85 5137.00 Cycles TS2.84 4756.00 Cycles
TS2.85 5137.00 Cycles
TS2.85 5137.00 Cycles
TS2.87 4623.00 Cycles
TS2.87 4623.00 Cycles
TS2.89 4778.00 Cycles
TS2.99 4509.00 Cycles
TS2.91 4636.00 Cycles
TS2.92 4924.00 Cycles
TS2.92 4924.00 Cycles
TS2.94 4451.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 4303.00 Cycles
TS2.95 5087.00 Cycles
TS2.97 4410.00 Cycles
TS2.99 4577.00 Cycles
TS2.100 4678.00 Cycles
TS2.102 4679.00 Cycles
TS2.103 4602.00 Cycles
TS2.104 5303.00 Cycles
TS2.105 5007.00 Cycles
TS2.106 5037.00 Cycles
TS2.107 4833.00 Cycles
TS2.108 4818.00 Cycles
TS2.108 4818.00 Cycles
TS2.109 4779.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles
TS2.110 4824.00 Cycles

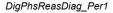
TS2.110 4824.00 Cycles TS2.111 5163.00 Cycles

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DigPhsReasDiag_Per1



TS2.112 5083.00 Cycles TS2.113 4938.00 Cycles TS2.114 4775.00 Cycles TS2.115 5022.00 Cycles TS2.116 4761.00 Cycles





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
TS2.11 ExpectedOnTimeC_Cnt_u32==>Min
TS2.12 ExpectedOnTimeC_Cnt_u32==>Min
TS2.23 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.24 ExpectedOnTimeC_Cnt_u32==>Pos
TS2.25 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==>Min 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_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[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag PrevLRPRPhsAdvComp Cnt M u16	0
	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	
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	0
k_PhsReasEnableThresh_Cnt_u32	0
k_PhsReasErrorTerm_Cnt_s16	-10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1350
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	
tgt_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





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrections and the property of the p$	ectedMtrPosC tgt_DigPhsReasDiag_F	Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulation{ $	llationIndexC tgt_DigPhsReasDiag_F	Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhase and the property of the propert$	eadvanceCar tgt_DigPhsReasDiag_F	Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredCollegt$	OnTimeA_Cnt tgt_DigPhsReasDiag_F	Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredCollegt$	OnTimeB_Cnt tgt_DigPhsReasDiag_F	Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredCollegt$	OnTimeC_Cnt tgt_DigPhsReasDiag_F	Per1_MeasuredOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMf	RFUnfiltered tgt_DigPhsReasDiag_F	Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMedStarter = 0.0000000000000000000000000000000000$	chPolarity_Cr tgt_DigPhsReasDiag_f	Per1_MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivate \\$	Test_Cnt_lgc tgt_DigPhsReasDiag_f	Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_Cnt_Cnt_Cnt_Cnt_Cnt_Cnt_Cnt_Cnt_Cn$	_T_enum) 82	82	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_CallApDAGNACANACANACANACANACANACANACANACANACANA$	nt_T_u08) 106	106	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cross_NxtrDiagMgr_SetNTCStatus)$	nt_T_enum) 1	1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	✓
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	✓
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✓
SVDiag_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	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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			MACICA	316
Name	Input Value			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M lgc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	6144			
k_ErrorFiltKn_Cnt_u16	65535			
k_ErrorThresh_Cnt_u32	200000			
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000			
k_LowResPhsReasMaxTol_Uls_f32	2			
k_LowResPhsReasMinTol_Uls_f32	2			
k_LowResPhsReas_Cnt_str.Threshold	1000			
k_LowResPhsReas_Cnt_str.PStep	1000			
k_LowResPhsReas_Cnt_str.NStep	1000			
k_PhsReasEnableThresh_Cnt_u32	200000			
k_PhsReasErrorTerm_Cnt_s16	10000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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	1536			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1350			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsReadDiagDiagD_DigPhsReadDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime			
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_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc		
Name	Actual Value	Expected Value	F	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82		✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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] SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0		<i>y</i>
SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1		Ž
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0		~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1		,
SVDiag_LRPRLowSector_Cnt_M_gc[1]	0	0		✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536		~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0		✓
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		~
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		V
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144		~



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

Input Value
tgt_Rte_Inst_Ap_DigPhsReasDiag
81920
98304
106496
5
0.1
0
0
0
1
1
1
100
825
83
23201.52463
6554
13107
19661
0.11
0
0
0
0
0
0
111
30585
66520
6.727024794
2
2
216
845
760
54635
7720
128811
29254
76895
0
0.649596095
1
-1355
0
169488
133502
-506.9036557
1
0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32
tgt_DigPrisReasDiag_Per1_ExpediedOfffillieC_Cit_us2
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tot Digunoscoolling Dorf Monourod(In Limo A Cht 1122
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CrressPersUps$	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]	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_PrevLRPRAdjModldComp_Cnt_M_f32	0.100000001	0.1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	100	100	~

T				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 2.4 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
	819200
SVDiag_FilterSV_Cnt_M_s18p13[0]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[1]	111 11
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	15
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.2
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	175
SVDiag_LowResPhsReasDisable_M_u8	15
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41946.39624
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.12
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k_ErrorFiltKn_Cnt_u16	29575
k_ErrorThresh_Cnt_u32	90315
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	465.8813109

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Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0.714330018
k_LowResPhsReasMinTol_Uls_f32	0.016816556
k_LowResPhsReas_Cnt_str.Threshold	362
k_LowResPhsReas_Cnt_str.PStep	877
k_LowResPhsReas_Cnt_str.NStep	358
k_PhsReasEnableThresh_Cnt_u32	134931
k_PhsReasErrorTerm_Cnt_s16	-261
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	95681
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	57225
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.540214658
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1072
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33061
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	26932
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	391.1978135
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_C$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntails (Ap_DigPhsReasDiagDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadD$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CntoredCo$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRea$	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_ototg	rgt_b.g. nortodob.dg_r ort_r briodratoroot	_0.190	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	464300	464300	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	~
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.540214658	0.540214658	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000	2000	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.200000003	0.2	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	200	200	✓

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



Test Step 2.5 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	9	
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 Igc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	300		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	96		
SVDiag_LowResPhsReasDisable_M_u8	80		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	39374.14782		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.13		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	333		
k_ErrorFiltKn_Cnt_u16	22743		
k_ErrorThresh_Cnt_u32	185423		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	840.3517412		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.715057611		
k_LowResPhsReas_Cnt_str.Threshold	73		
k_LowResPhsReas_Cnt_str.PStep	582		
k_LowResPhsReas_Cnt_str.NStep	329		
k_PhsReasEnableThresh_Cnt_u32	199697		
k_PhsReasErrorTerm_Cnt_s16	9687		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	46209		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	101126		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	78089		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
$tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value$	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-566		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	81038		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	89741		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	25388		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1115.609409		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_iter and the property of $	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per1_ExpectedOnTimeC_Inst_ReadDiag_Per$			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive and the property of the property of$	_		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrParticles (Applied From From From From From From From From$	0_ 0	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationInderstand the property of the property of$	exC tgt_DigPhsReasDiag_Per1_LRPR	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advanced by the property of th$	Cai tgt_DigPhsReasDiag_Per1_LRPR	RPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_DigPhsReasDiag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_MeasureDONTimeA_Inst_Ap_Diag_Per1_Diag_Per1_Diag_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_Diag_Per1_D$			
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ MeasuredOnTimeB$			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Inst_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeC_Inst_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeC_Inst_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeC_Inst_Ap_Diag_Per1_MeasureDOnTimeC_Inst_ApD_Diag_Per1_MeasureDOnTimeC_Inst_ApD_Diag_Per1_MeasureDONTimeC_Inst_ApD_Diag_Per1_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfilter and the property of $			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity and the property of $			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Post_Post_Post_Post_Post_Post_Post_Pos$	_lgc tgt_DigPhsReasDiag_Per1_PDAc	ctivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Resul
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum_Cont_T)$	n) 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	ım) 0	0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	•
32 32 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3			
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720	2334720	

4898816

32

4898816

32 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

DigPhsReasDiag_Per1

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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 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] 1 1

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

300

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 Igc[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_PrevLRPRAdjModldComp_Cnt_M_f32	0.14
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444
k_ErrorFiltKn_Cnt_u16	3187
k_ErrorThresh_Cnt_u32	88126
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.823276341
k_LowResPhsReas_Cnt_str.Threshold	677
k_LowResPhsReas_Cnt_str.PStep	248
k_LowResPhsReas_Cnt_str.NStep	802
k_PhsReasEnableThresh_Cnt_u32	75942
k_PhsReasErrorTerm_Cnt_s16	-9420
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

DigPhsReasDiag_Per1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack the property of t$	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_	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_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_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 Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Ign		,	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	-
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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	
	111		
SVDiag FilterSV Cnt M s18n13[2]	24576000	24576000	
SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	24576000 45	24576000 45 + 1	
SVDiag_HighResPhsReasDisable_M_u8	45	45 ± 1	•
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	45 0.285947561	45 ± 1 0.285947561	•
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_gc[0]	45 0.285947561 1	45 ± 1 0.285947561 1	•
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	45 0.285947561 1	45 ± 1 0.285947561 1	
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]	45 0.285947561 1 1 0	45 ± 1 0.285947561 1 1 0	
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]	45 0.285947561 1 1 0 0	45 ± 1 0.285947561 1 1 0 0	
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]	45 0.285947561 1 1 0 0	45 ± 1 0.285947561 1 1 0 0	0
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]	45 0.285947561 1 1 0 0 0	45 ± 1 0.285947561 1 1 0 0 0	0
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	45 0.285947561 1 1 0 0 0 1 1 5946	45 ± 1 0.285947561 1 1 0 0 0 1 5946	
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	45 0.285947561 1 1 0 0 0 0 1 1 5946 349	45 ± 1 0.285947561 1 1 0 0 0 0 1 5946 349	
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	45 0.285947561 1 1 0 0 0 1 5946 349	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1	
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_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	45 0.285947561 1 1 0 0 0 0 1 5946 349 44 0.400000006	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4	0
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_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	45 0.285947561 1 1 0 0 0 1 5946 349 44 0.400000006 1	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4	0
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_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	45 0.285947561 1 1 0 0 0 0 1 5946 349 44 0.400000006 1	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4 1	0
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_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_DownersPhsReasDisable_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]	45 0.285947561 1 1 0 0 0 1 5946 349 44 0.400000006 1 1	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4 1 1	
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_u16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	45 0.285947561 1 1 0 0 0 1 5946 349 44 0.400000006 1 1 1	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4 1 1	
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_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 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_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	45 0.285947561 1 1 0 0 0 1 5946 349 44 0.400000006 1 1 1 0 0	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4 1 1 1 0 0	
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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 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_PrevLRPRLowSector_Cnt_M_lgc[0]	45 0.285947561 1 1 0 0 0 1 5946 349 44 0.400000006 1 1 1	45 ± 1 0.285947561 1 1 0 0 0 1 5946 349 44 ± 1 0.4 1 1	0

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

Test Step 2.7 (Repeat Count = 1)		✓	
Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000		
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000		
SVDiag_HighResPhsReasDisable_M_u8	42		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.5		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		

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		1 1 2 1 6 1 7 6
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	500	
SVDiag LowPhReasErrorAcc Cnt M u16	720	
SVDiag LowResPhsReasDisable M u8	54	
SVDiag MaxNrCommOffVltg Cnt M f32	864.6531985	
SVDiag PhaseOffset Rev M u0p16[0]	9175	
SVDiag PhaseOffset Rev M u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.15	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	555	
k_ErrorFiltKn_Cnt_u16	63227	
k_ErrorThresh_Cnt_u32	153441	
k LRPRMtrVelDiagEnable MtrRadpS T f32	837.6736517	
k_LowResPhsReasMaxTol_Uls_f32	0.864181995	
k LowResPhsReasMinTol Uls f32	2	
k LowResPhsReas Cnt str.Threshold	97	
k LowResPhsReas Cnt str.PStep	340	
k LowResPhsReas Cnt str.NStep	165	
	73073	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	9441	
	152057	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	104659	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	131073	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.268185973	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.631602585	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-235	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	139594	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	97341	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-300.6809649	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cr	1	
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

tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTes	t_Cnt_lgc tgt_DigPhsReasDiag_Per1_F	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected 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_1	Γ_enum) 1	1	✓
SVDiag_FilterSV_Cnt_M_s18p13[0]	1154500	1154500	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	1443125	1443125	✓
SVDiag_FilterSV_Cnt_M_s18p13[2]	1731750	1731750	✓
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	✓
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.631602585	0.631602585	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5909	5909	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	97	97	✓
SVDiag_LowResPhsReasDisable_M_u8	55	55 ± 1	✓
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	0.5	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag PrevLRPRHighSector Cnt M lgc[1]	0	0	✓

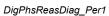
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16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

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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_DigPhsReasD	iag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000		
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000		
SVDiag_HighResPhsReasDisable_M_u8	86		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.6		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	600		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	148		
SVDiag_LowResPhsReasDisable_M_u8	7		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52723.80765		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.16		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666		
_ErrorFiltKn_Cnt_u16	38736		
	24719		
ErrorThresh_Cnt_u32	27113		
:_ErrorThresh_Cnt_u32 :_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	96.50065869		





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasDiag_Per1_MeasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_Read_Per1_MeaSUredOnTimeA_Cnt_R$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUre$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt \>\>\> Rte \>\>\> Inst \>\>\> Ap \>\>\> DigPhsReasDiag.DigPhsReasDiag \>\>\> Per1 \>\>\>\> MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Polarity_Cracket Polarity_C$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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]	33500000	33500000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	67000000	67000000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	100500000	100500000	~
SVDiag_HighResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.785672545	0.785672545	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4167	4167	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	8	8 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.600000024	0.6	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~

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

600

600

Test Step 2.9 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	5
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.7
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	451
SVDiag_LowResPhsReasDisable_M_u8	5
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	49739.7722
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.17
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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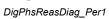


DigPhsReasDiag_Per1			MACH	ab
Name	Input Value			
SVDiag PrevLRPRLowSector Cnt M lgc[1]	1			
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1			
SVDiag PrevLRPRPhsAdvComp Cnt M u16	777			
k ErrorFiltKn Cnt u16	18060			
k ErrorThresh Cnt u32	46713			
k LRPRMtrVelDiagEnable MtrRadpS T f32	833.3660122			
k LowResPhsReasMaxTol Uls f32	0.83201158			
k_LowResPhsReasMinTol_Uls_f32	0.531517982			
k_LowResPhsReas_Cnt_str.Threshold	576			
k_LowResPhsReas_Cnt_str.PStep	778			
k_LowResPhsReas_Cnt_str.NStep	550			
k_PhsReasEnableThresh_Cnt_u32	143857			
k_PhsReasErrorTerm_Cnt_s16	-4268			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48095			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	46660			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	88050			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.062308908			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.830416977			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1364			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	62830			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	119699			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	491.0340368			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	A O-t ::00		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	·			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Ctgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCtgt_Rte_Inst_Ap_DigPhsReasDiag_D				
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		~



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

Test Step 2.10 (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	
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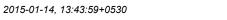




Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	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]	-20408	-20408	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-71572	-71572	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-122736	-122736	~
SVDiag_HighResPhsReasDisable_M_u8	91	91 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1221	1221	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	85	85 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.800000012	0.8	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	800	800	

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

Test Step 2.11 (Repeat Count = 1) Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.9
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	612
SVDiag_LowResPhsReasDisable_M_u8	99
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	52705.47826
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.19
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	999
k_ErrorFiltKn_Cnt_u16	21879
k_ErrorThresh_Cnt_u32	16095
k LRPRMtrVelDiagEnable MtrRadpS T f32	472.253751





Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	739		
k_LowResPhsReas_Cnt_str.PStep	702		
k_LowResPhsReas_Cnt_str.NStep	305		
k_PhsReasEnableThresh_Cnt_u32	174513		
k_PhsReasErrorTerm_Cnt_s16	-1137		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	121991		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Per1_ExpectedOnTimeC_DigPhsRead_Pe$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Other and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDi$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSDIAGERSD$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	-

tgt_rtto_mot_rtp_big. Hortodobildg.big. Hortodobildg_r or i_r britation oct_ont_igt	tgt_big. Her todobidg_r or i_r britatio rost_ent_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]	-819200	-819200	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	-2457600	•
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5345	5345	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	307	307	•
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.89999976	0.9	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	900	900	✓

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



Test Step 2.12 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDia		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	9	
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_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_u16	1110		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	55082		
k_ErrorFiltKn_Cnt_u16 k_ErrorThresh_Cnt_u32	45204		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	19.95787042		
k LowResPhsReasMaxTol Uls f32	0.650341809		
k LowResPhsReasMinTol Uls f32	0.363156259		
k_LowResPhsReas_Cnt_str.Threshold	104		
k_LowResPhsReas_Cnt_str.PStep	371		
k_LowResPhsReas_Cnt_str.NStep	645		
k_PhsReasEnableThresh_Cnt_u32	156256		
k_PhsReasErrorTerm_Cnt_s16	3701		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	36333		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	132972		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.488293409		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.942175508		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1375		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	128546		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	48692		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142361		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	629.7181177		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA	· · · · · · · · · · · · · · · · · ·		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetAct \\$			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtr	1 1 1 1 1	RCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIn	0 0 0 = =	RModulationIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvand	1 1 1 1 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeE			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolari			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cr			
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enumerical)		82	,
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_uColor) \\$	·	64	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_en		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	

-24576000

6

-24576000

6 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.942175508	0.942175508	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1697	1697	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	160	160	✓
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.109999999	0.11	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1000	1000	✓

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

Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag FilterSV Cnt M s18p13[0]	-3686400
SVDiag FilterSV Cnt M s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag HighResPhsReasDisable M u8	78
SVDiag LRPRAdjModldAComp Cnt M f32	0.12
SVDiag LRPRHighSector Cnt M lgc[0]	1
SVDiag LRPRHighSector Cnt M lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_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 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	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_Igc.value	0

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.969902456		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	862		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	66396		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	367		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	67091		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-79.46468693		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA	Cnt_tgt_DigPhsReasDiag_Per1_Expecte	edOnTimeA_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB	Cnt tgt DigPhsReasDiag Per1 Expecte	edOnTimeB Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC	Cnt tgt DigPhsReasDiag Per1 Expecte	edOnTimeC Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveResetA	ve (tgt DigPhsReasDiag Per1 GateDri	iveResetActive Cnt Igc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrP			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationInd			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_		·	
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		<u> </u>	
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	100000000000000000000000000000000000000	82	, 100uii
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08	·	64	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enu	, -	1	J
SVDiag FilterSV Cnt M s18p13[0]	-1044507	-1044507	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	-6389760	J
SVDiag FilterSV Cnt M s18p13[2]	-2135363	-2135363	_
SVDiag HighResPhsReasDisable M u8	79	79 ± 1	
SVDiag LRPRAdjModldAComp Cnt M f32	0.969902456	0.969902456	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	
SVDiag_LRPRHighSector_Cnt_M_igc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_igc[2]	0	0	J
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	
SVDiag_LRPRLowSector_Cnt_M_igc[0]	0	0	
SVDiag_LRPRLowSector_Cnt_M_gc[1]	1	1	
SVDiag LRPRPhsAdvComp Cnt M u16	862	862	
SVDiag_LRPRPISAUVCOMP_CHT_W_u10 SVDiag_LowPhReasErrorAcc Cnt M u16	420	420	
SVDiag_LowPriReasEnorAcc_Cit_M_u10 SVDiag_LowResPhsReasDisable M u8	67	67 ± 1	
	0.119999997	0.12	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	
	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	- J
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]		0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1100	1100	<u> </u>

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

Test Step 2.14 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	3	
SVDiag_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	

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		(
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1200	
SVDiag LowPhReasErrorAcc Cnt M u16	130	
SVDiag LowResPhsReasDisable M u8	96	
SVDiag MaxNrCommOffVltg Cnt M f32	64428.55529	
SVDiag PhaseOffset Rev M u0p16[0]	26214	
SVDiag PhaseOffset Rev M u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.22	
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	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	
	420	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	405	
k_LowResPhsReas_Cnt_str.NStep	483 25094	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	9305	
	167144	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	117940	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	47796	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.933656693	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1424	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	20706	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	10562	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	42204	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-837.3240489	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_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]	-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_lgc[1]	0	0	~

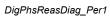
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16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

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_PrevERPRHighSector Cnt M Igc[0]	0.23
	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	1443
k_ErrorFiltKn_Cnt_u16	13602
k_ErrorThresh_Cnt_u32	78762
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	939.4107432
k_LowResPhsReasMaxTol_Uls_f32	1.641180038
k_LowResPhsReasMinTol_Uls_f32	1.834032655
k_LowResPhsReas_Cnt_str.Threshold	22
k_LowResPhsReas_Cnt_str.PStep	564
k_LowResPhsReas_Cnt_str.NStep	719
k_PhsReasEnableThresh_Cnt_u32	39778
k_PhsReasErrorTerm_Cnt_s16	-6331
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	60528
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	192046
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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
	-673.0851354
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1 And Dis Dis Des Dissa Board Formand of Trans A Contractor
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_C	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_C	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	e (tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt lgc





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosition{ $	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled States (Continuous Continuous Cont$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Per1_MeasUredOnTimeA_Cross_Read_Pe$	ttgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_Read_Per1_MeasUredOnTimeB_Cross_Read_Per1_MeasUredOnTimeB_Cross_Read_Per1_MeasUredOnTimeB_Cross_Read_Per1_MeasUredOnTimeB_Cross_Read_Pe$	tttgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_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	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Constraints = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg}$	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	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	~

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

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Name	Input Value			
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1			
SVDiag_FrevLRPRPhsAdvComp 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 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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_ReasDiag_Per1_ExpectedOnTimeB_Cnt_Per1_ExpectedOnTimeB_Cnt_ReaDIAg_Per1_ExpectedOnTimeB_Cnt_ReaDIAg_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Output = 0.0000000000000000000000000000000000$	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				
Name	Actual Value	Expected Value	Resu	lt
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	11000	,
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		Š
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	520 91	520 91		•
SVDiag_LowPriReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	39	39 ± 1		,
SVDiag_revLRPRAdjModldComp_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 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	1400	1400		•



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

lame	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	26
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.16
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
sVDiag_LRPRPhsAdvComp_Cnt_M_u16	1500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	22
VDiag_LowResPhsReasDisable_M_u8	49
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	61253.089
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_FrevErRHighSector_Ont_W_igc[0]	0
	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_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
_PhsReasErrorTerm_Cnt_s16	-9005
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	176881
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	170405
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173719
at DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc.value	0
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.46397841
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.478393734
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-729
at DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	126502
gt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	116820
pt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	135742
pt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	1108.76076
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_MittElectMeCriPolarity_Crit_soc.value	0
7	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1 - 1 - 1 - 1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	0 0 0 0 0 0
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (1 2 2
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	
	tot DigPhsPeasDiag Per1 MeasuredOnTimeA Cnt u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tg_bigFrisiteasblag_Ferr_ineasuredOffrimeA_Offi_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	-9101312	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	-18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	~
SVDiag_HighResPhsReasDisable_M_u8	27	27 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.478393734	0.478393734	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5415	5415	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	50	50 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.159999996	0.16	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1500	1500	~

T				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 2.18 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag FilterSV Cnt M s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
SVDiag_HighResPhsReasDisable_M_u8	85
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.17
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	408
SVDiag_LowResPhsReasDisable_M_u8	90
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	14163.01991
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.26
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1776
k_ErrorFiltKn_Cnt_u16	8156
k_ErrorThresh_Cnt_u32	179329
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	32.30347759

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DigPhsReasDiag Per1 Input Value k LowResPhsReasMaxTol Uls f32 0.510679185 k_LowResPhsReasMinTol_Uls_f32 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 $tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value$ 0 999984741 tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value $tgt_DigPhsReasDiag_Per1_LRPRPhase advance Captured_Cnt_s16.value$ 1052 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 186921 49536 tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value 69505 tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -1083.091942 $tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value$ tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value

tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPROrrectedNttPosC_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRNodulationIndexC_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_tgc_TDActivateTest_Cnt_tgc_TDActivateTest_Cnt_tgc_TDActivateTest_Cnt_tgc_TDActi

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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	~

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



Test Step 2.19 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400		
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600		
SVDiag_HighResPhsReasDisable_M_u8	21		
SVDiag_Inginics hisroasbisable_w_do SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.18		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0.10		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_ERPRLowSector_Cnt_M_lgc[0]	1		
	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
	1700		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	290		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	17		
SVDiag_LowResPhsReasDisable_M_u8			
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	34612.70149		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.27		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1887		
c_ErrorFiltKn_Cnt_u16	10351		
c_ErrorThresh_Cnt_u32	158105		
CLRPRMtrVelDiagEnable_MtrRadpS_T_f32	667.8116815		
C_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
<_LowResPhsReas_Cnt_str.Threshold	833		
<_LowResPhsReas_Cnt_str.PStep	638		
<_LowResPhsReas_Cnt_str.NStep	325		
<pre><_PhsReasEnableThresh_Cnt_u32</pre>	65511		
x_PhsReasErrorTerm_Cnt_s16	-8909		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	35037		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	133043		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.491767347		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-891		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	53456		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	139901		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	24793		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-385.2567965		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn	t tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Ci	1	·	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ci	· · · · · · · · · · · · · · · · · · ·		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_C			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_0			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc	1		
yne_msp_bigr nsneasblag.bigr nsneasblag_r en_r bActivate rest_on_je Name	Actual Value	Expected Value	Resi
		•	Rest
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)		1	
SVDiag FilterSV Cnt M s18p13[0]	819200	819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1370625	1370625	

1379625

2074613

22

1379625

2074613

22 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.491767347	0.491767347	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2181	2181	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	833	833	•
SVDiag_LowResPhsReasDisable_M_u8	18	18 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.180000007	0.18	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1700	1700	~

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

Test Step 2.20 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	22
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.19
SVDiag_LRPRHighSector_Cnt_M_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

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Name	Input Value		
$tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_Diag_Per1_LRPRCorrectedMtrPosCaptured_Rev_Diag_Per1_LRPRCorrectedMtrPosCaptured_Rev_Diag_Per1_LRPRCorrectedMtrPosCaptured_Rev_Diag_Per1_LRPRCorrectedMtrDosCaptured_Rev_Diag_Per1_LRPRCORrec$	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_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	474.0941501		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime(Ap_DigPhsReasDiag_Per1_ExpectedOnTime(Ap$	eA_Cnt_ tgt_DigPhsReasDiag_Per1_	_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimes and the property of the p$	eB_Cnt_ tgt_DigPhsReasDiag_Per1_	_ExpectedOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_ tgt_DigPhsReasDiag_Per1_	_ExpectedOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveReset	Active_(tgt_DigPhsReasDiag_Per1_	_GateDriveResetActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosC tgt_DigPhsReasDiag_Per1	_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation$	nIndexC tgt_DigPhsReasDiag_Per1_	_LRPRModulationIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadva	anceCar tgt_DigPhsReasDiag_Per1	_LRPRPhaseadvanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt tgt_DigPhsReasDiag_Per1	MeasuredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim	neB Cnt tgt DigPhsReasDiag Per1	MeasuredOnTimeB Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUr			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPol			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest			
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_e	num) 82	82	-
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_	·	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_		0	_
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	
SVDiag FilterSV Cnt M s18p13[1]	2334720	2334720	
SVDiag FilterSV Cnt M s18p13[2]	4898816	4898816	•
SVDiag HighResPhsReasDisable M u8	23	23 ± 1	
SVDiag LRPRAdjModIdAComp Cnt M f32	1	1	
SVDiag LRPRHighSector Cnt M Igc[0]	0	0	
SVDiag_LRPRHighSector Cnt M lgc[1]	1	1	
SVDiag_ERFRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_ERPRLowSector Cnt M lgc[0]	1	1	
SVDiag_ERPRLowSector_Crit_M_gc[0] SVDiag_ERPRLowSector Crit M lgc[1]	0	0	
SVDiag_LRPRLowSector_Cnt_M_gc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRPhsAdvComp Cnt M u16	5303	5303	
	506	506	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	84		
SVDiag_LowResPhsReasDisable_M_u8		84 ± 1	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.189999998	0.19	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	•
0.00		1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		

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

Test Step 2.21 (Repeat Count = 1)		~
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	51	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.2	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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Name	Input Value
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	661
SVDiag_LowResPhsReasDisable_M_u8	65
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	37026.40555
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.29
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2109
k_ErrorFiltKn_Cnt_u16	54788
k_ErrorThresh_Cnt_u32	147571
k LRPRMtrVelDiagEnable MtrRadpS T f32	919.0140423
k LowResPhsReasMaxTol Uls f32	0.924155831
k LowResPhsReasMinTol UIs f32	0.221476793
k_LowResPhsReas_Cnt_str.Threshold	441
k_LowResPhsReas_Cnt_str.PStep	952
k_LowResPhsReas_Cnt_str.NStep	133
k PhsReasEnableThresh Cnt u32	57345
k PhsReasErrorTerm Cnt s16	-557
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157319
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	112180
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	36950
	0
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.958179414
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	
	19
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69528 109790
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	5219
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-476.5903426
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	
tgt_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 - 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	0_ 0_ 7
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)	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_Igc[1]	0	0	~

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

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

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	62
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.21
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag LRPRLowSector Cnt M Igc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	854
SVDiag LowResPhsReasDisable M u8	22
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64219.70916
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2220
k_ErrorFiltKn_Cnt_u16	44587
k_ErrorThresh_Cnt_u32	194845
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	216.4905954
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	339
k_LowResPhsReas_Cnt_str.PStep	797
k_LowResPhsReas_Cnt_str.NStep	321
k_PhsReasEnableThresh_Cnt_u32	63348
k_PhsReasErrorTerm_Cnt_s16	-7811
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	120813
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59527
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	105111
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.333152056
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	368
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	27030
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	125364
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	154479
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-409.4544061
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	1 · - · · · · · · · · · · · · · · · · ·
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	
tgt_Rte_Inst_Ap_DigPnsReasDiag.DigPnsReasDiag_Per1_ExpectedOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPnsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1
Igi_rte_inst_Ap_bigPrisreasblag.bigPrisreasblag_Peri_GatebriveResetActive_i	rgr_bightsheasblag_Perr_GalebriveReselActive_Cnt_lgc

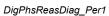
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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]	10474500	10474500	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	13093125	13093125	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	15711750	15711750	~
SVDiag_HighResPhsReasDisable_M_u8	63	63 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.333152056	0.333152056	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3440	3440	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	533	533	~
SVDiag_LowResPhsReasDisable_M_u8	23	23 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.209999993	0.21	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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

0

0

0

0

2000

0

0

0

0 2000

Test Step 2.23 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	51
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.22
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	661
SVDiag_LowResPhsReasDisable_M_u8	65
SVDiag_MaxNrCommOffVItg_Cnt_M_f32	37026.40555
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.31
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

DigPhsReasDiag Per1

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Input Value SVDiag PrevLRPRLowSector Cnt M lgc[1] SVDiag PrevLRPRLowSector Cnt M lqc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 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 k LowResPhsReas Cnt str.PStep 952 k_LowResPhsReas_Cnt_str.NStep 133 k_PhsReasEnableThresh_Cnt_u32 57345 k PhsReasErrorTerm Cnt s16 -557 $tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value$ 157319 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 112180 36950 tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value 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 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32$ tot Rte Inst Ap DigPhsReasDiag DigPhsReasDiag Per1 ExpectedOnTimeC Cnt tot 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 82 Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) 64 $Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$ SVDiag_FilterSV_Cnt_M_s18p13[0] 1343500 1343500 SVDiag_FilterSV_Cnt_M_s18p13[1] 2687000 2687000 24576000 24576000 SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 52 ± 1 $SVDiag_LRPRAdjModldAComp_Cnt_M_f32$ 0.958179414 0.958179414 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 0 SVDiag_LRPRHighSector_Cnt_M_lgc[1] n 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] • SVDiag LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] **~** 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 19 19 **~** SVDiag_LowPhReasErrorAcc_Cnt_M_u16 528 528 $SVDiag_LowResPhsReasDisable_M_u8$ 66 66 ± 1 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 0.219999999 0.22 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] n 0 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 0 0

1

2100

1

1

2100

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag PrevLRPRLowSector Cnt M lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16



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

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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States are also become a contraction of the contractio$	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	~

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

Test Step 2.25 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	10
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.24
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	952
SVDiag_LowResPhsReasDisable_M_u8	92
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	50510.37512
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491
SVDiag_PrevLRPRAdjModldComp_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

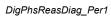
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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	1.169038832		
k_LowResPhsReasMinTol_Uls_f32	1.774063289		
k_LowResPhsReas_Cnt_str.Threshold	591		
k_LowResPhsReas_Cnt_str.PStep	238		
k_LowResPhsReas_Cnt_str.NStep	350		
k_PhsReasEnableThresh_Cnt_u32	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_Expecte	edOnTimeA_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_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_ReasDiag_Per1_MeaSUredOnTimeA_Cnt_R$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolored and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolored and \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Test_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Test_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Test_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Test_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Test_Ap_Diag_Per1_PDActivateTest_Cnt_Test_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PDActivateTest_Ap_Diag_Per1_PD$	tgt_DigPhsReasDiag_Per1_PDActiv	rateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

0	0 0		
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	~

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





Test Step 2.26 (Repeat Count = 1)	Input Value		
Name	Input Value	as Diag	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsRe	asDiag	
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 0.25		
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2400		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	993		
SVDiag LowResPhsReasDisable M u8	49		
SVDiag MaxNrCommOffVltg Cnt M f32	49981.54344		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.34		
SVDiag PrevLRPRHighSector Cnt M 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_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2664		
k_ErrorFiltKn_Cnt_u16	15074		
k_ErrorThresh_Cnt_u32	119021		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	29.87567961		
k_LowResPhsReasMaxTol_Uls_f32	0.026579261		
k_LowResPhsReasMinTol_Uls_f32	0.82881546		
k_LowResPhsReas_Cnt_str.Threshold	599		
k_LowResPhsReas_Cnt_str.PStep	744		
k_LowResPhsReas_Cnt_str.NStep	137		
k_PhsReasEnableThresh_Cnt_u32	95429		
k_PhsReasErrorTerm_Cnt_s16	-8921		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	170672		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8412		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	15945		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.200395226		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.472186744		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	82206		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	128801		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	44874		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-50.6263321		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA		ExpectedOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeE			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetAc			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMt		·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIr		LRPRModulationIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvan			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime.			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTime			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfil			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolar			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_C			
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enu		82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u	08) 64	64	

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

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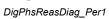


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.472186744	0.472186744	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	856	856	✓
SVDiag_LowResPhsReasDisable_M_u8	50	50 ± 1	✓
SVDiag_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	✓

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

Test Step 2.27 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable_M_u8	38
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.26
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	989
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64888.04768
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.35
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2775
k_ErrorFiltKn_Cnt_u16	39010
k_ErrorThresh_Cnt_u32	190113
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	301.491865
k_LowResPhsReasMaxTol_Uls_f32	0.209145963
k_LowResPhsReasMinTol_Uls_f32	0.075508654
k_LowResPhsReas_Cnt_str.Threshold	716
k_LowResPhsReas_Cnt_str.PStep	274
k_LowResPhsReas_Cnt_str.NStep	278
k_PhsReasEnableThresh_Cnt_u32	184889
k_PhsReasErrorTerm_Cnt_s16	9257
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	157368
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	11111
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	100207
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.102511883		
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-361		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	193345		
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	101973		
tgt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	1580		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	949.9760722		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	tgt DigPhsReasDiag Per1 ExpectedOnTim	eA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	32 3		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	32 3		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1 2 2	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn			
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 Cl		_ · · -	
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	rtosuit 🗸
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC_Cnt_T_enum)	0	0	-
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)		0	
SVDiag FilterSV Cnt M s18p13[0]	-312070	-312070	-
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	-1638400	
SVDiag FilterSV Cnt M s18p13[2]	-2457600	-2457600	-
SVDiag HighResPhsReasDisable M u8	39	39 ± 1	-
SVDiag_Inglinesr inceasurable_ivi_do SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	-
SVDiag_ERFRAujmiouluAcomp_Cnt_ivi_is2 SVDiag_ERPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_ERPRHighSector_Cnt_M_gc[0] SVDiag_ERPRHighSector_Cnt_M_lgc[1]	0	0	-
SVDiag_LRPRHighSector_Cnt_M_gc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	
	0	0	-
SVDiag_LRPRLowSector_Cnt_M_lgc[0] SV(Diag_LRPRLowSector_Cst_M_lgc[0])	1	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRPhsAdvComp Cnt M u16	5783	5783	
SVDiag_EKFKFIISAGVCOIIIp_CIIE_M_UT0 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	711	711	-
SVDiag_LowResPhsReasDisable_M_u8	68 0.25999999	68 ± 1 0.26	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25999999	0.26	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	*	'	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	· ·
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	Ž
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_Igc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1 2500	2500	*

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

Test Step 2.28 (Repeat Count = 1)		~
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	35	
SVDiag_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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		(12 16 16 16
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2600	
SVDiag LowPhReasErrorAcc Cnt M u16	582	
SVDiag LowResPhsReasDisable M u8	6	
SVDiag MaxNrCommOffVltg Cnt M f32	11708.94482	
SVDiag PhaseOffset Rev M u0p16[0]	7209	
SVDiag PhaseOffset Rev M u0p16[1]	7864	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.36	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag PrevLRPRHighSector Cnt M lgc[1]	1	
SVDiag PrevLRPRHighSector Cnt M lqc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	2886	
k_ErrorFiltKn_Cnt_u16	64768	
k_ErrorThresh_Cnt_u32	189131	
k LRPRMtrVelDiagEnable MtrRadpS T f32	492.2255232	
	1.708381891	
k_LowResPhsReasMaxTol_Uls_f32 k_LowResPhsReasMinTol_Uls_f32	0.915079951	
	381	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	982	
,		
k_LowResPhsReas_Cnt_str.NStep	286 7806	
k_PhsReasEnableThresh_Cnt_u32	9843	
k_PhsReasErrorTerm_Cnt_s16	58253	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	171118	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	143748	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value		
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_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	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex0		
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		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	10 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)	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-96000	-96000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-192000	-192000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-288000	-288000	•
SVDiag_HighResPhsReasDisable_M_u8	36	36 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.802513063	0.802513063	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4124	4124	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	296	296	~
SVDiag_LowResPhsReasDisable_M_u8	7	7 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.270000011	0.27	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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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	✓

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

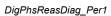
Test Step 2.29 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.28
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_ERTREDWSector_Ont_W_gc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
	2700
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	239
SVDiag_LowResPhsReasDisable_M_u8	1
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	30122.71136
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.37
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2997
k_ErrorFiltKn_Cnt_u16	51152
k_ErrorThresh_Cnt_u32	142699
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	594.4654054
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.219913423
k_LowResPhsReas_Cnt_str.Threshold	29
k_LowResPhsReas_Cnt_str.PStep	651
k_LowResPhsReas_Cnt_str.NStep	155
k PhsReasEnableThresh Cnt u32	152663
k_PhsReasErrorTerm_Cnt_s16	1485
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	10173
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	124289
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	161649
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1 -1414
tgt DigPhsReasDiag Perl MeasuredOnTimeA Cnt u32.value	129423
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_usz.value	3522
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	185874
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	589.5275707
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1 At DisDisDiss Dark Franch (OrTime A Oct 199
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	7 - 7 - 7 - 7 - 7 - 7
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	7 - 7 - 7 - 7 - 7
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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_LRPRCorrectedM	MtrPosCaptured_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_LRPRPhaseadvanceCarries and the property of the property $	at tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnnotestarching and the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersContracts and the property of the$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	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)	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	~	

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

1

2700

1

1 2700

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_PrevLRPRAdjModldComp_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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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	3108			
k ErrorFiltKn Cnt u16	11613			
k ErrorThresh Cnt u32	67627			
k LRPRMtrVelDiagEnable MtrRadpS T f32	203.8606881			
k LowResPhsReasMaxTol Uls f32	0.907837987			
k_LowResPhsReasMinTol_Uls_f32	1.147270918			
k_LowResPhsReas_Cnt_str.Threshold	88			
k_LowResPhsReas_Cnt_str.PStep	203			
k_LowResPhsReas_Cnt_str.NStep	308			
k_PhsReasEnableThresh_Cnt_u32	14763			
k_PhsReasErrorTerm_Cnt_s16	-9899			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	78180			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	152703			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	149876			
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.452251554			
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1199			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	139742			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	135291			
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	21903			
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-952.8725381			
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		A Cpt 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_(·			
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_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_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc		
Name	Actual Value	Expected Value		Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82		~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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_Igc[0]	1	1		~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0		~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0		V
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1199	1199		· ·
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	85	85		V
SVDiag_LowResPhsReasDisable_M_u8	97	97 ± 1		✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.289999992	0.29		V
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_Igc[2] SVDiag_PrevLRPRLowSector_Cnt_M_Igc[0]	0	0		~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0		
SVDiag_PrevERPRLowSector_Cnt_M_lgc[2]	0	0		~
SVDiag_PrevERPREAdvComp_Cnt_M_u16	2800	2800		Ž
<u></u>	1			



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

Test Step 2.31 (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 Reas Diag_Pett_intersured Off times_Cnt_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	18	18	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-663708546	-663708546	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	•
SVDiag_FilterSV_Cnt_M_s18p13[2]	371434570	371434570	~
SVDiag_HighResPhsReasDisable_M_u8	50	50 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6124	6124	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	22	22 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.300000012	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	~

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

Test Step 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_PrevLRPRAdjModldComp_Cnt_M_f32	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3330
k_ErrorFiltKn_Cnt_u16	43116
k_ErrorThresh_Cnt_u32	101679
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	105.4563222

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Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	1.772034645
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	9
k_LowResPhsReas_Cnt_str.PStep	439
k_LowResPhsReas_Cnt_str.NStep	143
k_PhsReasEnableThresh_Cnt_u32	137382
k_PhsReasErrorTerm_Cnt_s16	4955
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	42727
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	142090
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	8201
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.336745381
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-285
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	169392
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	175573
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	86095
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	418.6133443
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsRea$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Other and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellare Apart = 0.0000000000000000000000000000000000$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	t_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CntoredCo$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrEl$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc
Name	Actual Value Expected Value Res

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	12475868	12475868	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	15584056	15584056	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	54607872	~
SVDiag_HighResPhsReasDisable_M_u8	42	42 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.336745381	0.336745381	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5859	5859	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	528	528	•
SVDiag_LowResPhsReasDisable_M_u8	91	91 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.310000002	0.31	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	3000	3000	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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)	Innut Value		
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 94		
SVDiag_HighResPhsReasDisable_M_u8	0.32		
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]			
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	3100		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	625		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16			
SVDiag_LowResPhsReasDisable_M_u8	45		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	5564.854186 16384		
SVDiag_PhaseOffset_Rev_M_u0p16[0]			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.41		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3441		
k_ErrorFiltKn_Cnt_u16	60893		
k_ErrorThresh_Cnt_u32	17408		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	554.5994245		
k_LowResPhsReasMaxTol_Uls_f32	1.367921412		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	188		
k_LowResPhsReas_Cnt_str.PStep	170		
k_LowResPhsReas_Cnt_str.NStep	481		
k_PhsReasEnableThresh_Cnt_u32	155588		
k_PhsReasErrorTerm_Cnt_s16	-2223		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	6407		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	77829		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	154663		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.96130681		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.490151227		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1325		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	30004		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	154601		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	139027		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	622.2539914		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_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	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	32 2		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC		MtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_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_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	
gt_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			
Name	Actual Value	Expected Value	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	

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

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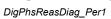


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.490151227	0.490151227	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
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_PrevLRPRAdjModldComp_Cnt_M_f32	0.319999993	0.32	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3100	3100	✓

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

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_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity and the property of the prop$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Ci	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igo	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	
SVDiag FilterSV Cnt M s18p13[0]	48569	48569	~
SVDiag FilterSV Cnt M s18p13[1]	64953	64953	
SVDiag FilterSV Cnt M s18p13[2]	73145	73145	✓
SVDiag HighResPhsReasDisable M u8	26	26 ± 1	
SVDiag LRPRAdjModldAComp Cnt M f32	0.490151227	0.490151227	✓
SVDiag LRPRHighSector Cnt M Igc[0]	0	0	
SVDiag LRPRHighSector Cnt M Igc[1]	1	1	~
SVDiag LRPRHighSector Cnt M Igc[2]	0	0	
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	~
SVDiag LRPRLowSector Cnt M Igc[1]	0	0	-
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag LRPRPhsAdvComp Cnt M u16	2308	2308	
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	~
SVDiag LowResPhsReasDisable M u8	18	18 ± 1	
SVDiag PrevLRPRAdjModldComp Cnt M f32	0.330000013	0.33	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag PrevLRPRHighSector Cnt M Igc[1]	0	0	-
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_[gc[0]]	1	1	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	-
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3200	3200	
5.5.6957Ett 14 nortaroomp_on_ui_ui_ui0	0=00	0200	

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

Test Step 2.35 (Repeat Count = 1)		<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	

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		(12 17 1811
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3300	
SVDiag LowPhReasErrorAcc Cnt M u16	186	
SVDiag LowResPhsReasDisable M u8	29	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	47454.04777	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0	
SVDiag PhaseOffset Rev M u0p16[1]	0	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.43	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag PrevLRPRHighSector Cnt M lqc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	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_Igc.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 Igc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt tqt 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 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRFRPhaseadvanceCatgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn		
	, , , , , , , , , , , , , , , , , , , ,	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn		
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	32 2 1	
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)	64	64	•
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	775500	775500	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	•
SVDiag_HighResPhsReasDisable_M_u8	56	56 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.137330055	0.137330055	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3238	3238	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	115	115	•
SVDiag_LowResPhsReasDisable_M_u8	30	30 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.340000004	0.34	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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DigPhsReasDiag_Per1

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

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

Test Step 2.36 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	4
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.35
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	38
SVDiag_LowResPhsReasDisable_M_u8	75
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	41405.16186
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.44
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag PrevLRPRLowSector Cnt M lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3774
k ErrorFiltKn Cnt u16	25546
k_ErrorThresh_Cnt_u32	183881
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	798.3981082
k_LowResPhsReasMaxTol_Uls_f32	1.364431143
k LowResPhsReasMinTol Uls f32	0.1129421
k_LowResPhsReas_Cnt_str.Threshold	721
k_LowResPhsReas_Cnt_str.PStep	764
k_LowResPhsReas_Cnt_str.NStep	230
k PhsReasEnableThresh Cnt u32	34700
k_PhsReasErrorTerm_Cnt_s16	3370
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	122085
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	113651
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	290
	1
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.137102962
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1
tgt_DigPrisReasDiag_Per1_LRPR/ModulationIndexCaptured_Dis_isz.value	-1400
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	44275
tgt_DigPnsReasDlag_Per1_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDlag_Per1_MeasuredOnTimeB_Cnt_u32.value	135864
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11068
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
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_DigPnskeasDiag_Per1_GateDriveResetActive_Cnt_lgc

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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	nceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ MotorVelMRFUnfiltered$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	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]	2255824	2255824	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	1440610	1440610	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816	4898816	~
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4744	4744	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	76	76 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.349999994	0.35	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3400	3400	~

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

Test Step 2.37 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	82
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.36
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	221
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	44851.90839
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.45
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3885		
k_ErrorFiltKn_Cnt_u16	32018		
k_ErrorThresh_Cnt_u32	171438		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	360.7137637		
k_LowResPhsReasMaxTol_Uls_f32	1.138339341		
k_LowResPhsReasMinTol_Uls_f32	0.729354322		
k_LowResPhsReas_Cnt_str.Threshold	552 355		
k_LowResPhsReas_Cnt_str.PStep 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_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	· · · · · · · · · · · · · · · · · · ·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	· - ·		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	· - · - ·	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	· - ·		
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_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	965	965	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	0 87	0 87 ± 1	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.360000014	0.36	
SVDiag_PrevLRPRAdjModidComp_Cft_M_is2 SVDiag_PrevLRPRHighSector_Cnt_M_igc[0]	0.360000014	0.36	
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	



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

lame	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	47
SVDiag_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
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3600
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	889
SVDiag_LowResPhsReasDisable_M_u8	25
VDiag_MaxNrCommOffVltg_Cnt_M_f32	2110.339864
VDiag_PhaseOffset_Rev_M_u0p16[0]	7209
VDiag_PhaseOffset_Rev_M_u0p16[1]	7864
sVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.46
sVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag PrevLRPRHighSector Cnt M 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	3996
ErrorFiltKn Cnt u16	53430
_ErrorThresh_Cnt_u32	42446
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	352.3172735
	2
_LowResPhsReasMaxTol_UIs_f32	
_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
pt_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
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-92
gt_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
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1
${\tt yt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt_ReadDiag_Per1_ExpectedOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
${\tt st_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ReadDiag_Per1_ExpectedOnTimeB_Cnt_ReadDiag_Per1_ExpectedOnTimeB_Cnt_ReadDiag_Per1_ExpectedOnTimeB_Cnt_ReadDiag_Per1_ExpectedOnTimeB_Cnt$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
${\tt yt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Expecte$	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	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa _l	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	tgt_DigPhsReasDiag_Per1_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	~

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

Test Step 2.39 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	55
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.38
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	929
SVDiag_LowResPhsReasDisable_M_u8	35
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	25036.2197
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.47
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4107
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	15881
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	525.5428157

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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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReaDIAG_Per1_ExpectedOnTimeA_Cnt_Re$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ReaD_Cnt_ReaD_Cnt_ReaD_Cnt_ReaD_Cnt$	tgt_DigPhsReasDiag_Per1_Expe	ectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsRea$	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	
${\tt tgt} \ \ {\tt Rte} \ \ {\tt Inst} \ \ {\tt Ap} \ \ {\tt DigPhsReasDiag.DigPhsReasDiag} \ \ {\tt Per1} \ \ {\tt LRPRCorrectedMtrPosCor$	tgt_DigPhsReasDiag_Per1_LRPI	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPI	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPI	RPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTim$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRe$	tgt_DigPhsReasDiag_Per1_Moto	orVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States S$	tgt_DigPhsReasDiag_Per1_MtrE	ElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_ReasDiag_Per1_PDActivateTest_ReasDiag_Per1_PDActivateTe$	tgt_DigPhsReasDiag_Per1_PDA	ActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

tgtc_mc_,tp_sig. not todostag.sig. not todostagt of tts todatato tot_ont_igt	tgt_2.g todo2.dg o 27 tot. dto . cot_	_0.190	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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 327680000		
SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000		
SVDiag_FilterSV_Cnt_M_s18p13[1]	491520000		
SVDiag_FilterSV_Cnt_M_s18p13[2]			
SVDiag_HighResPhsReasDisable_M_u8	38		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.39		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3800		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	624		
SVDiag_LowResPhsReasDisable_M_u8	87		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15651.49492		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.48		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4218		
k_ErrorFiltKn_Cnt_u16	65535		
k_ErrorThresh_Cnt_u32	73688		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000		
k LowResPhsReasMaxTol Uls f32	0.706945896		
k LowResPhsReasMinTol Uls f32	1.739165425		
k_LowResPhsReas_Cnt_str.Threshold	869		
k_LowResPhsReas_Cnt_str.PStep	277		
k_LowResPhsReas_Cnt_str.NStep	226		
k PhsReasEnableThresh Cnt u32	59882		
k_PhsReasErrorTerm_Cnt_s16	1015		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	40088		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	161108		
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	33893		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_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	-379		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	192051		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	75095		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	125573		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-448.220529		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	0_ 0_ 1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_CntDispersion (Color of the Color of the$			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_Diag_Per1_GateDriveResetActive_InstApD_D$	tgt_DigPhsReasDiag_Per1_GateDriveReset	tActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPost_properties and the properties of the propertie$	· - ·	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndex Control of the property of the prope$	0_ 0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled and the property of the property o$	ւլ tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	ranceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasureDOnTimeA_Diag_Diag_Per1_MeasUreDOnTimeA_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn	ttgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Creations and the property of the propert$	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the property of $	tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison to the property of the pro$	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
	Actual Value	Expected Value	Resul
Name			
	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	•
	0	82 0 0	

5000

6250

7500

39

5000

6250

7500

39 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5765	5765	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	398	398	~
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.389999986	0.39	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3800	3800	~

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

Test Step 2.41 (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 Igc[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

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Name	Input Value		
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.478252053		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.24714154		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	716		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	151350		
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	38354		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	157643		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-758.1775091		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	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	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_e	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrectedl	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	ttgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	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
		Expedica value	INCOUNT
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	rtesuit ✓
		•	11111
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82 42	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	82 42	82 42	, , , , , , , , , , , , , , , , , , ,
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)	82 42 1	82 42 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]	82 42 1 -692775	82 42 1 -692775	· · · · · · · · · · · · · · · · · · ·
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]	82 42 1 -692775 -1395275	82 42 1 -692775 -1395275	· · · · · · · · · · · · · · · · · · ·
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]	82 42 1 -692775 -1395275 -2088050	82 42 1 -692775 -1395275 -2088050	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	82 42 1 -692775 -1395275 -2088050 75	82 42 1 -692775 -1395275 -2088050 75 ± 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] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	82 42 1 -692775 -1395275 -2088050 75 0.24714154	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	82 42 1 -692775 -1395275 -2088050 75 0.24714154	82 42 1 -692775 -1395275 -2088050 75±1 0.24714154 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] 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]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0	82 42 1 -692775 -1395275 -2088050 75±1 0.24714154 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] 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]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0	
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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] 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]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 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] 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]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 7 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] 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	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0	
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Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] 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_LRPRRSAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPRSPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0 42 0.409999996	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0 42 ± 1 0.41	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_enum) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] 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[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_LRPRRSAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0 42 0.409999996 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0 42 ± 1 0.41 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] 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_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LRPRPhsadvComp_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] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0 42 0.409999996 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0 42 ± 1 0.41 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] 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_LRPRHosector_Cnt_M_lgc[2] SVDiag_LRPRHosector_Cnt_M_u16 SVDiag_LRPRHosector_Cnt_M_u16 SVDiag_LRPRHosector_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPrevLRPRAdjModIdComp_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]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0 42 0.409999996 1 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0 42 ± 1 0.41 1 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] 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[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPR-SetOr_Cnt_M_u16 SVDiag_LRPRPR-SetOr_Cnt_M_u16 SVDiag_LRPRR-SetOr_Cnt_M_u16 SVDiag_LRPRR-SetOr_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[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	82 42 1 -692775 -1395275 -2088050 75 0.24714154 0 0 1 1 0 0 716 0 42 0.409999996 1 1 1	82 42 1 -692775 -1395275 -2088050 75 ± 1 0.24714154 0 0 1 1 0 0 716 0 42 ± 1 0.41 1 1	

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

Test Step 2.42 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	
SVDiag_HighResPhsReasDisable_M_u8	22	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.42	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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		(
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4100	
SVDiag LowPhReasErrorAcc Cnt M u16	875	
SVDiag LowResPhsReasDisable M u8	60	
SVDiag MaxNrCommOffVltg Cnt M f32	9849.967907	
SVDiag PhaseOffset Rev M u0p16[0]	9175	
SVDiag PhaseOffset Rev M u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.51	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag PrevLRPRHighSector Cnt M lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	4551	
k_ErrorFiltKn_Cnt_u16	58451	
k_ErrorThresh_Cnt_u32	200000	
k LRPRMtrVelDiagEnable MtrRadpS T f32	63.38186914	
k_LowResPhsReasMaxTol_Uls_f32	2	
k LowResPhsReasMinTol Uls f32	0.244346201	
	888	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	480	
'	251	
k_LowResPhsReas_Cnt_str.NStep		
k_PhsReasEnableThresh_Cnt_u32	175642 2517	
k_PhsReasErrorTerm_Cnt_s16	25785	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	10729	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	169660	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.00004744	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.787022114	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-859	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	4857	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	146945	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104094	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	846.5524548	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cni		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntor(A) = tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReasDiag_Per1_MeasuredOnTimeA_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsReadDiag_Per1_DigPhsPer1_DigPhsReadDiag_Per1_DigPhsRe$	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered to the following property of the pr$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	, , , , , , , , , , , , , , , , , , , ,	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsPer1_PDActivateTest_Cnt_IgPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsReadPhsRe$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	-8192000	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000	-16384000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000	-24576000	•
SVDiag_HighResPhsReasDisable_M_u8	23	23 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.787022114	0.787022114	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5285	5285	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	624	624	•
SVDiag_LowResPhsReasDisable_M_u8	61	61 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.419999987	0.42	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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

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

Test Step 2.43 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	0
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.43
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag LRPRLowSector Cnt M Igc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4200
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	539
SVDiag LowResPhsReasDisable M u8	19
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15735.00934
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763
SVDiag_PhaseOffset_Rev_M_u0p16[1]	14418
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.52
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag PrevLRPRLowSector Cnt M Igc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4662
k ErrorFiltKn Cnt u16	61805
k_ErrorThresh_Cnt_u32	168342
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	890.8103936
k_LowResPhsReasMaxTol_Uls_f32	0.480914354
k LowResPhsReasMinTol Uls f32	2
k_LowResPhsReas_Cnt_str.Threshold	142
k_LowResPhsReas_Cnt_str.PStep	220
k_LowResPhsReas_Cnt_str.NStep	280
k PhsReasEnableThresh Cnt u32	32617
k_PhsReasErrorTerm_Cnt_s16	-7263
	91475
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	34178
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183241
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1 0,000,04741
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_UIs_f32.value	-0.431435525
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-890
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	22202
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	161639
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	120147
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-753.1787578
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc





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	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	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_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]	-163515	-163515	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-332870	-332870	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-388835	-388835	~	
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	~	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.431435525	0.431435525	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2182	2182	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	142	142	~	
SVDiag_LowResPhsReasDisable_M_u8	20	20 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.430000007	0.43	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4200	4200	~	

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

Test Step 2.44 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.44
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4300
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	525
SVDiag_LowResPhsReasDisable_M_u8	95
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	69303.04221
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.53
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_Igc[0]	1

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DigPnsReasDiag_Per1			MACILAB
Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4773		
k_ErrorFiltKn_Cnt_u16	25034		
k_ErrorThresh_Cnt_u32	53633		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	345.946146		
k_LowResPhsReasMaxTol_Uls_f32	1.9973858		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	911		
k_LowResPhsReas_Cnt_str.PStep	366 439		
k_LowResPhsReas_Cnt_str.NStep k PhsReasEnableThresh Cnt u32	87021		
k_PhsReasErrorTerm_Cnt_s16	4774		
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	195079		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	149367		
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	99615		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-543		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	174063		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	133658		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	43266		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-144.6736574		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_			
tgt_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	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5601	5601	
SVDiag LowPhReasErrorAcc Cnt M u16	86	86	
SVDiag_LowResPhsReasDisable M u8	96	96 ± 1	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.43999998	0.44	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	4300	•



Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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 2.45 (Repeat Count = 1)	
	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
0= = = = 1 17	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
0_ 0 0 0 0	0
0_ 0 0 _ 0	0
0_ 0 0 _ 0	0
0	1
0	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
VDiag_MaxNrCommOffVltg_Cnt_M_f32	50434.40961
VDiag_PhaseOffset_Rev_M_u0p16[0]	39322
	39977
0	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
_PhsReasErrorTerm_Cnt_s16	4318
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	69753
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34697
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	166641
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.841467023
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.22442013
pt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-234
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	94301
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	56798
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	147579
	954.8141541
pt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
	0
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 0 0 0 0
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	0 0 0 = 1 = 0
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	,
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	
/	0-0-10-10-10-10-10-10-10-10-10-10-10-10-
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	~

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

Test Step 2.46 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	74
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.46
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4500
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	651
SVDiag_LowResPhsReasDisable_M_u8	0
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	55039.09688
SVDiag_PhaseOffset_Rev_M_u0p16[0]	16384
SVDiag_PhaseOffset_Rev_M_u0p16[1]	19661
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.55
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4995
k_ErrorFiltKn_Cnt_u16	26377
k_ErrorThresh_Cnt_u32	145686
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	612.5805455

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	1.073936641		
k_LowResPhsReasMinTol_Uls_f32	1.933434784		
k_LowResPhsReas_Cnt_str.Threshold	989		
k_LowResPhsReas_Cnt_str.PStep	232		
k_LowResPhsReas_Cnt_str.NStep	599		
k_PhsReasEnableThresh_Cnt_u32	93387		
k_PhsReasErrorTerm_Cnt_s16	7477		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	26772		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	123517		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	54615		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.113378525		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.946974516		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	741		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	43630		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	107287		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	51133		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-73.47111881		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Berner_ExpectedOnTimeA_Cnt_Be$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Barrier = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_Rte_InstAp_Diag_Per1_GateDriveResetActive_Tgt_$	tgt_DigPhsReasDiag_Per1_	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPos0	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_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_	LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTim$	tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsReasDiag_PersU$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnter(Content of Content of C$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison of the property of the pro$	tgt_DigPhsReasDiag_Per1_	MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igentality (Continuous Continuous Co$	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]	36405248	36405248	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	56057360	56057360	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872	54607872	~
SVDiag_HighResPhsReasDisable_M_u8	75	75 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.946974516	0.946974516	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3813	3813	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	52	52	~
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.460000008	0.46	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500	4500	-

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





Test Step 2.47 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936		
SVDiag_HighResPhsReasDisable_M_u8	11		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.47		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	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 4600		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	215		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable M_u8	100		
SVDiag MaxNrCommOffVltg Cnt M f32	12726.1041		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	22938		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	26214		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	29491		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.56		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5106		
c_ErrorFiltKn_Cnt_u16	45018		
_ErrorThresh_Cnt_u32	149217		
C_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	159.4128509		
<pre>(_LowResPhsReasMaxTol_Uls_f32</pre>	2		
<pre><_LowResPhsReasMinTol_Uls_f32</pre> < LowResPhsReas Cnt str.Threshold	0.978752732 842		
<pre>C_LowResPhsReas_Cnt_str.PStep</pre>	265		
<pre>C_LowResPhsReas_Cnt_str.NStep</pre>	911		
C PhsReasEnableThresh Cnt u32	197791		
C PhsReasErrorTerm Cnt s16	6377		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	85		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	110121		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	111040		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.033400714		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1173		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	153006		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83593		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	178495		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1094.287715		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value		20 A Cat ::22	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	1 - 1		
gt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOffTimeB_Cht gt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cht	1		
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_ExpectedOrTimeC_critics gt_Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_GateDriveResetActive=			
gt_Rte_Inst_Ap_bigPhsReasDiag.DigPhsReasDiag_Per1_GateBriveReseActive_ gt_Rte_Inst_Ap_bigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos(
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 - 1		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Cn	32 3		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	r tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Ig	tgt_DigPhsReasDiag_Per1_PDActivateTest	_Cnt_lgc	
Name	Actual Value	Expected Value	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
	0	0	
Rie_Call_Ap_DigPrisReasDiag_NxtrDiagliigr_SetivTCStatus(Param_Cnt_1_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]		0 -9101312	

-18202624

-27303936

12

-18202624

-27303936

12 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.0334007144	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	•

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

Test Step 2.48 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	44
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.48
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	725
SVDiag_LowResPhsReasDisable_M_u8	42
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	58659.56285
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.57
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5217
k_ErrorFiltKn_Cnt_u16	37587
k_ErrorThresh_Cnt_u32	32020
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	41.79331511
k_LowResPhsReasMaxTol_Uls_f32	1.602493823
k_LowResPhsReasMinTol_Uls_f32	1.866541564
k_LowResPhsReas_Cnt_str.Threshold	58
k_LowResPhsReas_Cnt_str.PStep	574
k_LowResPhsReas_Cnt_str.NStep	775
k_PhsReasEnableThresh_Cnt_u32	86275
k_PhsReasErrorTerm_Cnt_s16	3294
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	184529
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	128618
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	18218
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.325536013		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.800645947		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-197		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	90296		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	8860		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	19835		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	-153.0103319		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	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	43 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	✓

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

Test Step 2.49 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000	
SVDiag_HighResPhsReasDisable_M_u8	83	
SVDiag_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	

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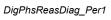


		1 1 2 1 6 1 6
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4800	
SVDiag LowPhReasErrorAcc Cnt M u16	27	
SVDiag LowResPhsReasDisable M u8	38	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	15373.68287	
SVDiag PhaseOffset Rev M u0p16[0]	26214	
SVDiag PhaseOffset Rev M u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.58	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M Igc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5328	
k_ErrorFiltKn_Cnt_u16	24995	
k_ErrorThresh_Cnt_u32	140922	
k LRPRMtrVelDiagEnable MtrRadpS T f32	759.4572812	
k_LowResPhsReasMaxTol_Uls_f32	2	
k LowResPhsReasMinTol Uls f32	0.444447041	
k LowResPhsReas Cnt str.Threshold	15	
k LowResPhsReas Cnt str.PStep	362	
	228	
k_LowResPhsReas_Cnt_str.NStep	0	
k_PhsReasEnableThresh_Cnt_u32	-4558	
k_PhsReasErrorTerm_Cnt_s16	5552	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	125704	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	154826	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.498207688	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.136701763	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	997	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	69673	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	157998	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13036	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	595.885945	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Ig		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-50676250	-50676250	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-101352500	-101352500	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-152028750	-152028750	~
SVDiag_HighResPhsReasDisable_M_u8	84	84 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.136701763	0.136701763	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	997	997	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	39	39 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.49000001	0.49	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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

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

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
	57
VDiag_HighResPhsReasDisable_M_u8	0.5
VDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.5
VDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_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]	
VDiag_LRPRLowSector_Cnt_M_lgc[2]	0
VDiag_LRPRPhsAdvComp_Cnt_M_u16	4900
VDiag_LowPhReasErrorAcc_Cnt_M_u16	317
VDiag_LowResPhsReasDisable_M_u8	64
VDiag_MaxNrCommOffVltg_Cnt_M_f32	19190.02149
VDiag_PhaseOffset_Rev_M_u0p16[0]	45875
VDiag_PhaseOffset_Rev_M_u0p16[1]	52429
VDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.59
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
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	5439
_ErrorFiltKn_Cnt_u16	32255
_ErrorThresh_Cnt_u32	29783
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	702.7368062
_LowResPhsReasMaxTol_Uls_f32	0.415904939
_LowResPhsReasMinTol_Uls_f32	0.049414694
_LowResPhsReas_Cnt_str.Threshold	506
_LowResPhsReas_Cnt_str.PStep	45
_LowResPhsReas_Cnt_str.NStep	417
PhsReasEnableThresh_Cnt_u32	200000
PhsReasErrorTerm_Cnt_s16	-951
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	156923
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	14217
yt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	108078
yt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
yt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
pt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.926446915
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	225
t DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	195300
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	73268
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	119260
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	477.3782057
t_DigPhsReasDiag_Per1_MotorvellMRFormitered_MtrRadp3_132.value	-1
	1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_u	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_u	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_	Unt_tgt_DigPnsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32

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Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCommunity (Community of the Community of the Communit$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersUpdates and the property of the p$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igd	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	27303936	~	
SVDiag_HighResPhsReasDisable_M_u8	58	58 ± 1	~	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.926446915	0.926446915	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	225	225	•	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~	
SVDiag_LowResPhsReasDisable_M_u8	65	65 ± 1	~	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.5	0.5	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4900	4900	✓	

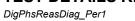
T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus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

Test Step 2.51 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	77
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.51
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5000
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	792
SVDiag_LowResPhsReasDisable_M_u8	74
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	57360.34714
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.6
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag PrevLRPRLowSector Cnt M Igc[0]	1

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Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5550		
k_ErrorFiltKn_Cnt_u16	48777		
k_ErrorThresh_Cnt_u32	54005		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	27.02146125		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.030959487		
k_LowResPhsReas_Cnt_str.Threshold	387		
k_LowResPhsReas_Cnt_str.PStep	288		
k_LowResPhsReas_Cnt_str.NStep	135		
k_PhsReasEnableThresh_Cnt_u32	81038		
k_PhsReasErrorTerm_Cnt_s16 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1822 46988		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	196859		
tgt_DigPhsReasDiag_Per1_expectedOnTimeB_Cnt_us2.value	146601		
tgt_DigPhsReasDiag_Per1_CateDriveResetActive_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ReaDIAG_Per1_ExpectedOnTimeA_Cnt_Re$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ReaDIAG_Per1_ExpectedOnTimeB_Cnt_Re$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Diag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Diag_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Constraints and the property of the $	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_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	anceCaptured_Cnt_s16	
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_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)	9334013	9334013	
SVDiag_FilterSV_Cnt_M_s18p13[0]	11655322	11655322	
SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	13976631	13976631	
SVDiag_HighResPhsReasDisable_M_u8	78	78 ± 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 Igc[0]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag LRPRLowSector Cnt M Igc[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_PrevLRPRAdjModldComp_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	'





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

Test Step 2.52 (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	29
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.52
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
sVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
VDiag LRPRHighSector Cnt M Igc[2]	0
VDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	526
SVDiag_LowResPhsReasDisable_M_u8	71
	59495.03321
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
VDiag_PhaseOffset_Rev_M_u0p16[1]	9830
VDiag_PhaseOffset_Rev_M_u0p16[2]	10486
VDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.61
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5661
_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
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	181762
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	
	41890
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	173694
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	-633
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	5419
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	105139
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	144013
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-747.4518609
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cr	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	1 - 1
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndex	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	1 - 1
gt_Rte_Inst_Ap_bightsReasDiag.DigPhsReasDiag_Per1_End_Rt HascadvanceO	
gt_Rte_inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_C	7
gr_nrc_mar_np_bigniancaabiag.bigniancaabiag_neti_weabute001111116B_0	nt_tgt_DigPhsReasDiag_Per1_measuredOnTimeB_Ont_us2





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorV$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket States and States and States are also also also also also also also also$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_ReasDiagPhsReadPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsReasDiagPhsRead$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2977806	-2977806	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-5955612	-5955612	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-8933418	-8933418	~
SVDiag_HighResPhsReasDisable_M_u8	30	30 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5511	5511	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	215	215	~
SVDiag_LowResPhsReasDisable_M_u8	72	72 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.519999981	0.52	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5100	5100	~

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

Test Step 2.53 (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]	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

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Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	1.366944551
k_LowResPhsReas_Cnt_str.Threshold	453
k_LowResPhsReas_Cnt_str.PStep	637
k_LowResPhsReas_Cnt_str.NStep	228
k_PhsReasEnableThresh_Cnt_u32	132250
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	50035
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	115427
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	151926
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.445432723
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1320
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	174156
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	140500
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	48952
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	361.213706
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Dia$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	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

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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		
Name Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsRea	eDian	
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	SDIag	
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400		
SVDiag_i literov_cit_w_srepro(i) SVDiag_FilterSV_Cit_M_s18p13[2]	2457600		
SVDiag_HighResPhsReasDisable_M_u8	63		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.54		
SVDiag_LRPRHighSector Cnt M lgc[0]	0.34		
	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	5300		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	814		
SVDiag_LowResPhsReasDisable_M_u8	5		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	57963.59505		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.63		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5883		
_ErrorFiltKn_Cnt_u16	247		
c ErrorThresh Cnt u32	177020		
 LRPRMtrVelDiagEnable_MtrRadpS_T_f32	600.5355268		
LowResPhsReasMaxTol Uls f32	2		
C LowResPhsReasMinTol Uls f32	0.727967083		
C LowResPhsReas Cnt str.Threshold	276		
LowResPhsReas_Cnt_str.PStep	493		
<pre>c_LowResPhsReas_Cnt_str.NStep</pre>	837		
C PhsReasEnableThresh Cnt u32	196839		
C PhsReasErrorTerm Cnt s16	0		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	200000		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	106426		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	176201		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value			
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value			
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	380		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	161749		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	36173		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1083.635401		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTim	neA Cnt tgt_DigPhsReasDiag_Per1_E	ExpectedOnTimeA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTim	neB_Cnt_ tgt_DigPhsReasDiag_Per1_F	ExpectedOnTimeB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTim	neC_Cnt_ tgt_DigPhsReasDiag_Per1_F	ExpectedOnTimeC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveReset	tActive_(tgt_DigPhsReasDiag_Per1 (GateDriveResetActive_Cnt_lgc	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrected	=	.RPRCorrectedMtrPosCaptured_Rev_f32	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulatio		.RPRModulationIndexCaptured Uls f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadv	0 0 0 = =		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Fer1_ERFREASCHURG gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Fer1_MeasuredOnTin			
gt_Nte_inst_Ap_bightsNeasDiag.bightsNeasDiag_ren_MeasuredOnTin gt_Rte_Inst_Ap_bightsReasDiag.bigPhsReasDiag_Per1_MeasuredOnTin			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTin			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFU			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPo			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest 			
Name	Actual Value	Expected Value	Res
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T $_{\epsilon}$	enum) 82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T	_u08) 0	0	
		I I	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T	_enum) 0	0	

816236

1638400

2457600

64

816236

1638400

2457600

64 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.82739377	0.82739377	/ v
SVDiag LRPRHighSector Cnt M Igc[0]	1	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag LRPRHighSector Cnt M Igc[2]	0	0	
SVDiag LRPRLowSector Cnt M lgc[0]	0	0	-
SVDiag_LRPRLowSector_Ont_M_igc[ii]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	4	
SVDiag_LRPRPhsAdvComp_Cnt_M_igc[2]	3452	3452	
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	-
	-	•	
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.540000021	0.54	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5300	5300	~

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

Test Step 2.55 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816
SVDiag_HighResPhsReasDisable_M_u8	50
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.55
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	755
SVDiag_LowResPhsReasDisable_M_u8	24
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29159.99095
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.64
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5994
k_ErrorFiltKn_Cnt_u16	42542
k_ErrorThresh_Cnt_u32	135784
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	506.8940983
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	0.407167554
k_LowResPhsReas_Cnt_str.Threshold	86
k_LowResPhsReas_Cnt_str.PStep	379
k_LowResPhsReas_Cnt_str.NStep	873
k_PhsReasEnableThresh_Cnt_u32	154721
k_PhsReasErrorTerm_Cnt_s16	8983
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	48599
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	186103
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	13959
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

DigPhsReasDiag_Per1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.261771858		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	8		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	102355		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	103508		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	55894		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	612.5526271		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cr	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTin	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	_(tgt_DigPhsReasDiag_Per1_GateDriveRese	tActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	sC_tgt_DigPhsReasDiag_Per1_LRPRCorrected	dMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	C tgt_DigPhsReasDiag_Per1_LRPRModulation	onIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceC	ar tgt DigPhsReasDiag Per1 LRPRPhasead	vanceCaptured Cnt s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Ci	nt tgt DigPhsReasDiag Per1 MeasuredOnTii	meA Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cl	1		
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 (_ · · -	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc		,	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	-
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	•
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)) 0	0	
SVDiag FilterSV Cnt M s18p13[0]	3686400	3686400	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	845750	845750	
SVDiag FilterSV Cnt M s18p13[2]	4898816	4898816	✓
SVDiag HighResPhsReasDisable M u8	51	51 ± 1	-
SVDiag LRPRAdjModldAComp Cnt M f32	0.261771858	0.261771858	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag LRPRHighSector Cnt M lgc[1]	0	0	✓
SVDiag LRPRHighSector Cnt M Igc[2]	1	1	-
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	✓
SVDiag LRPRLowSector Cnt M Igc[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 Igc[0]	1	1	-
SVDiag PrevLRPRHighSector Cnt M lgc[1]	1	1	-
SVDiag PrevLRPRHighSector Cnt M Igc[2]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	-
SVDiag PrevLRPRLowSector Cnt M Igc[1]	0	0	
SVDiag PrevLRPRLowSector Cnt M Igc[2]	0	0	-
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5400	5400	
	1 - 1 - 2		

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

Test Step 2.56 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	69	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.56	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5500	
SVDiag LowPhReasErrorAcc Cnt M u16	530	
SVDiag LowResPhsReasDisable M u8	20	
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 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	6105	
k_ErrorFiltKn_Cnt_u16	58230	
k_ErrorThresh_Cnt_u32	130622	
k LRPRMtrVelDiagEnable MtrRadpS T f32	567.8109986	
k_LowResPhsReasMaxTol_Uls_f32	1.582519591	
k LowResPhsReasMinTol Uls f32	0	
k_LowResPhsReas_Cnt_str.Threshold	502	
k LowResPhsReas Cnt str.PStep	41	
k LowResPhsReas Cnt str.NStep	364	
k PhsReasEnableThresh Cnt u32	113629	
k_PhsReasErrorTerm_Cnt_s16	-4925	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	150023	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	126550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	6433	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.405353904	
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	579	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	46252	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99215	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190079	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	152.9415138	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_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 (tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRFRPhaseadvanceCatgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
	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	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cttgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igc	0 0 0	
		1_
Name	Actual Value Expected Value	Resul

$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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)	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	✓

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DigPhsReasDiag_Per1

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

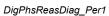
Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus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

est Step 2.57 (Repeat Count = 1)	Input Value
tte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112
VDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112
	-2147418112
VDiag_FilterSV_Cnt_M_s18p13[2] VDiag_HighResPhsReasDisable_M_u8	35
VDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.57
VDiag_LRPRHighSector_Cnt_M_lgc[0] VDiag_LRPRHighSector_Cnt_M_lgc[1]	0
	0
VDiag_LRPRHighSector_Cnt_M_lgc[2]	
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	5600
VDiag_LowPhReasErrorAcc_Cnt_M_u16	844
VDiag_LowResPhsReasDisable_M_u8	98
VDiag_MaxNrCommOffVltg_Cnt_M_f32	5003.028737
VDiag_PhaseOffset_Rev_M_u0p16[0]	22938
VDiag_PhaseOffset_Rev_M_u0p16[1]	26214
VDiag_PhaseOffset_Rev_M_u0p16[2]	29491
VDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.66
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	100
_ErrorFiltKn_Cnt_u16	21723
_ErrorThresh_Cnt_u32	170217
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	982.5199534
LowResPhsReasMaxTol Uls f32	0.03418386
LowResPhsReasMinTol Uls f32	2
 _LowResPhsReas_Cnt_str.Threshold	658
LowResPhsReas_Cnt_str.PStep	29
LowResPhsReas_Cnt_str.NStep	528
PhsReasEnableThresh Cnt u32	76736
_PhsReasErrorTerm_Cnt_s16	-4925
pt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	75966
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	154269
pt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	199262
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
pt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.809941888
	1
pt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value pt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-454
yt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	89793
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	136641
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	194985
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-259.709338
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_	_ - - - - - - - - -
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_	
t Pte Inst An DigPhsReasDigg DigPhsReasDigg Per1 EvnectedOnTimeC	_Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32

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SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled Applies Ap$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDispersion Applied From the Company of the Company$	ttgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntor(Ap_DigPhsReasDiag)$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison of the property of the pro$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrams \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrams \\ \underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Ap_DigPhsReasDiag_Per1_PDActivateTest_Diag_Per1_PDAc$	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)	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	0.56999993	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	~	
OVER PROVIDED TO STATE OF MAJORIES	0	0	- 4	

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

Test Step 2.58 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[1]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	2147418112
SVDiag_HighResPhsReasDisable_M_u8	63
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.58
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5700
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	669
SVDiag_LowResPhsReasDisable_M_u8	17
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	53712.18751
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.67
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

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DigPnsReasDiag_Per1			Taboliai
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	1		
k_LowResPhsReasMinTol_Uls_f32 k_LowResPhsReas_Cnt_str.Threshold	165		
k_LowResPhsReas_Cnt_str.PStep	323		
k LowResPhsReas Cnt str.NStep	811		
k PhsReasEnableThresh Cnt u32	55421		
k_PhsReasErrorTerm_Cnt_s16	-6034		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	144998		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	161434		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	47523		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.467590809		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	409		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	170974		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	88218		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	195391		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-498.116707		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	-1 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_		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_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_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_PhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasuredOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_Per1_MeasureDOnTimeB_CntgPhsReasDiag_PhsRead_Ph$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntractions and the property of the prop$			
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_lgc	1 1 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)	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] SVDiag_FilterSV_Cnt_M_s18p13[2]	1166243064 1166243064	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	3481	•
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	•
SVDiag_LowResPhsReasDisable_M_u8	18	18 ± 1	•
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.579999983	0.58	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5700	5700	
OF DIAGE. TO THE HIS DAY CONTINE ON LINE OF THE OFFICE OF THE OFFI	0.00	0.00	



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

est Step 2.59 (Repeat Count = 1)	
lame	Input Value
te_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
	0
0= = = = 1 17	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

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Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUn$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_CracketsPolarity_C$	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)	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.589999974	0.59	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5800	5800	

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

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	

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Name	Input Value
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_UIs_f32	1.060441911
k_LowResPhsReas_Cnt_str.Threshold	362
k_LowResPhsReas_Cnt_str.PStep	441
k_LowResPhsReas_Cnt_str.NStep	638
k_PhsReasEnableThresh_Cnt_u32	47612
k_PhsReasErrorTerm_Cnt_s16	-5730
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	162126
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59221
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	38277
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1250
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	135120
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	55505
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	124694
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-585.4597855
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_DigPhsReasDiag_DigPhsPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiagD$	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
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUre$	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_MotorVeIMRFUnfiltered_MtrRadpS_f32
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReasDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReadDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReadDiag_Per1_MtrElecMechPolArity_Cracket ApD_DigPhsReadDiag_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc
Name	Actual Value Expected Value Result

tgtto_motp_big. nortoucbidg.big. nortoucbidg_t or t briotivatoroot_ont_ige	rgt_b.g. nortodobidg or i b, totrator oot_	go	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	296511084	296511084	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	235562110	235562110	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-112120295	-112120295	•
SVDiag_HighResPhsReasDisable_M_u8	92	92 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1250	1250	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	•
SVDiag_LowResPhsReasDisable_M_u8	92	92 ± 1	•
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5900	5900	•

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





Test Step 2.61 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760		
SVDiag_HighResPhsReasDisable_M_u8	37		
	0.61		
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	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	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_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	500		
_ErrorFiltKn_Cnt_u16	30471		
_ErrorThresh_Cnt_u32	165996		
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	830.648425		
LowResPhsReasMaxTol Uls f32	0.890998006		
C LowResPhsReasMinTol Uls f32	2		
LowResPhsReas Cnt str.Threshold	161		
cowResPhsReas_Cnt_str.PStep	314		
<pre>commed=notess_on_ost= etep </pre> <pre>(_LowResPhsReas_Cnt_str.NStep</pre>	824		
C PhsReasEnableThresh Cnt u32	20000		
C PhsReasErrorTerm Cnt s16	-3838		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	27402		
	74858		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value			
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	93818		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.091156125		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.184832156		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-401		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	112106		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	115672		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	13646		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	444.318046		
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	Cnt tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meA_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_0	Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	meB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_0	Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	meC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive	e_(tgt_DigPhsReasDiag_Per1_GateDriveRese	etActive_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPc	osC tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInde	xC tgt_DigPhsReasDiag_Per1_LRPRModulation	onIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	0_ 0		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeD			
gt_Rte_Inst_Ap_DigPrisReasDiag.DigPrisReasDiag_Per1_MotorVelMRFUnfilter 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	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
01- 0-II 4- Di-Dh-DDi 11 Di 11 0 11-00 (0	0	
kte_Caii_Ap_DigPnskeasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08			
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08 Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enur		0	

-20978

-72427

-123876

38

-20978

-72427

-123876

38 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.184832156	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	✓

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

Test Step 2.62 (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_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	953
SVDiag_LowResPhsReasDisable_M_u8	25
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	71111.01352
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.71
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600
k_ErrorFiltKn_Cnt_u16	0
k_ErrorThresh_Cnt_u32	164667
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	781.2031699
k_LowResPhsReasMaxTol_Uls_f32	1.7767784
k_LowResPhsReasMinTol_Uls_f32	0.697349846
k_LowResPhsReas_Cnt_str.Threshold	651
k_LowResPhsReas_Cnt_str.PStep	282
k_LowResPhsReas_Cnt_str.NStep	819
k_PhsReasEnableThresh_Cnt_u32	121912
k_PhsReasErrorTerm_Cnt_s16	-9053
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	177458
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	93853
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	43590
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.077201843		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.230777502		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	968		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	87288		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	57425		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121875		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	245.5806819		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOn$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ReaD_ExpectedOnTimeB_Cnt_ReaD_Expec$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptage and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	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_Cntproperties and the properties of the properties $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Der1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRea$	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]	-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_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]			~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag LRPRPhsAdvComp Cnt M u16	0	0	~
3VDIag_ERFREIISAUVCOIIIp_CIII_WI_UTO	1		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
	0 4040	0 4040	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0 4040 134	0 4040 134	*
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	0 4040 134 26	0 4040 134 26 ± 1	\rightarrow \right
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0 4040 134 26 0.620000005	0 4040 134 26 ± 1 0.62	\rightarrow \right
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 4040 134 26 0.620000005	0 4040 134 26 ± 1 0.62	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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]	0 4040 134 26 0.620000005 1	0 4040 134 26 ± 1 0.62 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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]	0 4040 134 26 0.620000005 1 1	0 4040 134 26 ± 1 0.62 1 1	· · · · · · · · · · · · · · · · · · ·
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_PrevLRPRLowSector_Cnt_M_lgc[0]	0 4040 134 26 0.620000005 1 1	0 4040 134 26 ± 1 0.62 1 1 1	· · · · · · · · · · · · · · · · · · ·

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

Test Step 2.63 (Repeat Count = 1)		~
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800	
SVDiag_HighResPhsReasDisable_M_u8	16	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.63	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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		1 1 2 1 6 1 6
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	111	
SVDiag LowPhReasErrorAcc Cnt M u16	128	
SVDiag LowResPhsReasDisable M u8	77	
SVDiag MaxNrCommOffVltg Cnt M f32	61050.75751	
SVDiag PhaseOffset Rev M u0p16[0]	9175	
SVDiag PhaseOffset Rev M u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.72	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M 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	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	
	962	
k_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.PStep	48	
	117	
k_LowResPhsReas_Cnt_str.NStep		
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	37411 -1047	
	77134	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	126651	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	32592	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.726364493	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1032	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	130821	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	52905	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	159432	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-699.5581169	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cn	12 2	
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_LRPRPhaseadvanceCi	, , , , , , , , , , , , , , , , , , , ,	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Continu$	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	7 - 7 - 7 - 7	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg		
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]	49095	49095	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	32670	32670	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	32655	32655	~
SVDiag_HighResPhsReasDisable_M_u8	17	17 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5112	5112	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	11	11	~
SVDiag_LowResPhsReasDisable_M_u8	78	78 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.629999995	0.63	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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

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

Test Step 2.64 (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_Ois_132.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





Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnappersContinueC_CnappersContinueCnapper$	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSESDIAGERSDIAGERSESDIAGER$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	205895296	205895296	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-13039868	-13039868	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-6223000	-6223000	~	
SVDiag_HighResPhsReasDisable_M_u8	51	51 ± 1	~	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6141	6141	-	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~	
SVDiag_LowResPhsReasDisable_M_u8	77	77 ± 1	~	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.639999986	0.64	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~	

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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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222

Test Step 2.65 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	3
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.65
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	333
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	952
SVDiag_LowResPhsReasDisable_M_u8	39
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	27992.82329
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.74
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag PrevLRPRLowSector Cnt M Igc[0]	1

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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DigPnsReasDiag_Per1			MACICAL
Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	900		
k_ErrorFiltKn_Cnt_u16	33604		
k_ErrorThresh_Cnt_u32	0		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0		
k_LowResPhsReasMaxTol_Uls_f32	1.049779773 0.18299818		
k_LowResPhsReasMinTol_Uls_f32 k_LowResPhsReas_Cnt_str.Threshold	10		
k_LowResPhsReas_Cnt_str.PStep	233		
k_LowResPhsReas_Cnt_str.NStep	651		
k PhsReasEnableThresh Cnt u32	163330		
k_PhsReasErrorTerm_Cnt_s16	2419		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	22811		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	170178		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	41369		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.730837464		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.167546451		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1433		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	28214		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	36881		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	118426		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	708.8457238		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	-1 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1	Δ Cnt μ32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(·		
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	anceCaptured_Cnt_s16	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnT$	tgt_DigPhsReasDiag_Per1_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_lgc			
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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_Igc[2]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	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	333	333	
OVERUS_1 TOVERS ISS INSTRUMENTAL TO THE STATE OF THE STAT	000	000	



T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	✓
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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]	36405248
VDiag_FilterSV_Cnt_M_s18p13[1]	45506560
VDiag_FilterSV_Cnt_M_s18p13[2]	54607872
/Diag_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
/Diag LRPRLowSector Cnt M Igc[1]	1
/Diag_LRPRLowSector_Cnt_M_lgc[2]	1
/Diag_LRPRPhsAdvComp_Cnt_M_u16	444
VDiag_LowPhReasErrorAcc_Cnt_M_u16	476
VDiag_LowResPhsReasDisable_M_u8	15
	38778.7106
VDiag_MaxNrCommOffVltg_Cnt_M_f32	
/Diag_PhaseOffset_Rev_M_u0p16[0]	39322
/Diag_PhaseOffset_Rev_M_u0p16[1]	39977
/Diag_PhaseOffset_Rev_M_u0p16[2]	40632
/Diag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.75
VDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
VDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	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
t DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	19402
t_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	37242
t_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	59580
t_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
t_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
t_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.534251213
t_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	761
t_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	182369
t_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	104001
t_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	187662
t_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	359.1404709
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
t_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	
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	
	tat Highereacthiag Part Mascured(IntimeA Cht 1132
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_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_Moto$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcaps and the property of the propert$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	9357878	9357878	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	45506560	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	14012450	14012450	~
SVDiag_HighResPhsReasDisable_M_u8	76	76 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.534251213	0.534251213	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3833	3833	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.660000026	0.66	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444	444	~

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

Test Step 2.67 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag FilterSV Cnt M s18p13[2]	-27303936
SVDiag HighResPhsReasDisable M u8	84
SVDiag LRPRAdjModldAComp Cnt M f32	0.67
SVDiag LRPRHighSector Cnt M 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





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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_Inst_Ap_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstApD_InstAp_Diag_Per1_GateDriveResetActive_InstApD_InstA$	tgt_DigPhsReasDiag_Per1_GateDriveReset.	Active_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPost	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled Applies Ap$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplaye$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	ieA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnrows and the property of the property $	Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnter(Cnn$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Displayers and the property of the $	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison of the property of the pro$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrams and the property of the propert$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	-

tgt_ftte_inst_Ap_bigi histeasblag.bigi histeasblag_i et i_i bActivate rest_ont_igt	I IGI_DIGI HISINCASDIAG_I CI I_I DACIIVAICICSI_	_Ont_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]	-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_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	555	555	-

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



Test Step 2.68 (Repeat Count = 1)	Innut Value		
Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800		
SVDiag_HighResPhsReasDisable_M_u8	29		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]			
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	666 0		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	12		
SVDiag_LowResPhsReasDisable_M_u8			
SVDiag_MaxNrCommOffVltg_Cnt_M_f32 SVDiag_RhappOffpat_Roy_M_vp14ff0l	45806.22157 45875		
SVDiag_PhaseOffset_Rev_M_u0p16[0]			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429 58982		
SVDiag_PhaseOffset_Rev_M_u0p16[2] SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.77		
· · · · · · · · · · · · · · · · · · ·	0.77		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRDbaAdvComp_Cnt_M_u16			
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1200		
k_ErrorFiltKn_Cnt_u16	36333 20382		
k_ErrorThresh_Cnt_u32			
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	568.6031012		
k_LowResPhsReasMisTel_UIs_f32	0.649018586		
k_LowResPhsReasMinTol_Uls_f32	1.483640134 922		
k_LowResPhsReas_Cnt_str.Threshold	549		
k_LowResPhsReas_Cnt_str.PStep			
k_LowResPhsReas_Cnt_str.NStep	852 93067		
k_PhsReasEnableThresh_Cnt_u32			
k_PhsReasErrorTerm_Cnt_s16	4651 718		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65130		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value			
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	137606		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.868686438 -0.639629483		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value			
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-631		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	17557		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	194619		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	81892		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-77.04264593		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0 tot Dia Dha Beach Diag Dord Eveneted On Tin	ooA Cot u22	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cr	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr			
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_ 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_C			
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_MotorVelMRFUnfiltere			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_0			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc	1 1 1		
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	•
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)$	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum		0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400	-3686400	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2829126	-2829126	•
SVDiag FilterSV Cnt M s18n13[2]	-3267171	-3267171	

-3267171

30

-3267171

30 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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News	Actual Value	Fune start Value	Decult
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	~

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

Test Step 2.69 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	42
SVDiag_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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.78
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1300
k_ErrorFiltKn_Cnt_u16	29348
k_ErrorThresh_Cnt_u32	46003
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	176.3621515
k_LowResPhsReasMaxTol_Uls_f32	0.214813828
k_LowResPhsReasMinTol_Uls_f32	1.529430628
k_LowResPhsReas_Cnt_str.Threshold	416
k_LowResPhsReas_Cnt_str.PStep	397
k_LowResPhsReas_Cnt_str.NStep	652
k_PhsReasEnableThresh_Cnt_u32	19817
k_PhsReasErrorTerm_Cnt_s16	-8722
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108203
$tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value$	21683
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	159603
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.31260407		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.185294211		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-242		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	44968		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	52724		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	51915		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-896.3371812		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_GateDriveResetActiv$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	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 LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cni	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn$	t 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_Ci	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]	-45235000	-45235000	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-90470000	-90470000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-135705000	-135705000	~
SVDiag_HighResPhsReasDisable_M_u8	43	43 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.185294211	0.185294211	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2830	2830	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	348	348	~
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	777	777	~

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

Test Step 2.70 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936	
SVDiag_HighResPhsReasDisable_M_u8	51	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.5	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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Name	Input Value	
SVDiag LRPRLowSector Cnt M lqc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	888	
SVDiag LowPhReasErrorAcc Cnt M u16	944	
SVDiag LowResPhsReasDisable M u8	86	
SVDiag MaxNrCommOffVltg Cnt M f32	24906.16724	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	13763	
SVDiag PhaseOffset Rev M u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.79	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]		
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_UIs_f32	0.735626042	
k_LowResPhsReas_Cnt_str.Threshold	591	
k_LowResPhsReas_Cnt_str.PStep	305	
k_LowResPhsReas_Cnt_str.NStep	433	
k_PhsReasEnableThresh_Cnt_u32	131986	
k_PhsReasErrorTerm_Cnt_s16	-3179	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	45309	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	59727	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	54928	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	44	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48171	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	83084	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	177478	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	358.2577893	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_Diag_Per1_ExpectedOnTimeA_Diag_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Per1_ExpectedOnTimeB_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact (a) and the property of the pr$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplayers and the property of the$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntoring Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntoring Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntoring Ap_DigPhsReasDiagDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPh$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRea$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

tgr_nte_inst_Ap_bigr_iishteasbiag.bigr_iishteasbiag_r ei i_r bActivate i est_Ont_igt	, , , , , , , , , , , , , , , , , , ,		Desuit
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	•
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312	9101312	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624	18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	13241472	13241472	•
SVDiag_HighResPhsReasDisable_M_u8	52	52 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	44	44	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	511	511	•
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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Name Actual Value





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex (and the context of the$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	ar tgt_DigPhsReasDiag_Per1_LRPRPhaseadv	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cross_ReasDiag_Per1_MeasUredOnTimeB_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color of the property of the property$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	larity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgrams and the property of the propert$	c tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.680000007	0.68	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	•
Rte_Call_Ap_DigPhsReasDiag_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 2.72 (Repeat Count = 1)	la de la companya de
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	67
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.69
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6144
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	345
SVDiag_LowResPhsReasDisable_M_u8	47
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51490.30053
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.81
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

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 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 61316 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 3528 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 146619 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 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 $tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ use Tgt_DigPhsReasDiag_Per1_MeasUredOnTimeC_Cnt\\ use Tgt_DigPhsRe$ tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32 $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr\\ - tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08$ tat Die An DigDheDeacDiag DigDheDeacDiag Dorf PDActivateTect Cnt Jac tat DigDheDeacDiag Dorf PDActivateTect Cnt Jac

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	result 🗸
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	~
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)		0	_
SVDiag FilterSV Cnt M s18p13[0]	-9101312	-9101312	~
SVDiag FilterSV Cnt M s18p13[1]	-18202624	-18202624	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-116449756	-116449756	~
SVDiag HighResPhsReasDisable M u8	68	68 ± 1	~
SVDiag LRPRAdjModldAComp Cnt M f32	0.396101594	0.396101594	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	509	509	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	•
SVDiag_LowResPhsReasDisable_M_u8	48	48 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.689999998	0.69	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144	~



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

Test Step 2.73 (Repeat Count = 1)	
lame	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496
VDiag_HighResPhsReasDisable_M_u8	98
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.7
VDiag LRPRHighSector Cnt M Igc[0]	0
	0
	0
	1
52	1
0	1
= = = = ::	555
	37
5	57
0	54846.5631
0_ 0_ 1	16384
0	19661
	22938
0_	0.82
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0
0 = = = = 1017	0
0_ 0 0 0 0	0
= = = = ::	0
5	0
VDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1700
_ErrorFiltKn_Cnt_u16	21629
_ErrorThresh_Cnt_u32	6916
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	932.1623722
_LowResPhsReasMaxTol_Uls_f32	2
_LowResPhsReasMinTol_Uls_f32	1.105107307
_LowResPhsReas_Cnt_str.Threshold	639
LowResPhsReas_Cnt_str.PStep	773
LowResPhsReas_Cnt_str.NStep	89
	1782
	-5038
	60248
	177435
	31246
	1
	0.999984741
, = =	0.698479354
, , , ,	
	1465
	167067
	161942
	13929
	-1098.061662
7_ 0	-1
7 = 0	1
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	· · · · · · · · · · · · · · · · · · ·
	tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32
IL RIE IIISLAD DIUFIISREASDIAU DIUFIISREASDIAU FELL MEASUIEUCH LINEA CITI	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cit gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tot DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReadDiag_Per1_MtrElecMechPolArity_Cross_ReadDia$	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.69999988	0.7	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	555	555	~

T				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 2.74 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	9
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.71
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	999
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	174
SVDiag_LowResPhsReasDisable_M_u8	23
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	26878.60102
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.83
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1800
k_ErrorFiltKn_Cnt_u16	41809
k_ErrorThresh_Cnt_u32	140295
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	350.3144043

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	0.779447973		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	755		
k_LowResPhsReas_Cnt_str.PStep	823		
k_LowResPhsReas_Cnt_str.NStep	0		
k_PhsReasEnableThresh_Cnt_u32	106257		
k_PhsReasErrorTerm_Cnt_s16	8685		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	37659		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	129631		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193954		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.303319454		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	83098		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	110948		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	104374		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	70.48811805		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Exp$	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	PRCorrectedMtrPosCaptured_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

tgtto_motp_big. nortoucbidg.big. nortoucbidg_t or t briotivatoroot_ont_ige	tgt_2.gtodo2.dg c 2, tot.vato.cot_	.o.ngo	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200	819200	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	593175	593175	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	910667	910667	•
SVDiag_HighResPhsReasDisable_M_u8	10	10 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.303319454	0.303319454	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1823	1823	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	174	174	•
SVDiag_LowResPhsReasDisable_M_u8	24	24 ± 1	-
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.709999979	0.71	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	999	999	~

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



Test Step 2.75 (Repeat Count = 1)	Innut Value		· ·
Name Rte Inst Ap DigPhsReasDiag	Input Value		
SVDiag_FilterSV_Cnt_M_s18p13[0]	tgt_Rte_Inst_Ap_DigPhsReasDiag 3686400		
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720		
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816		
SVDiag HighResPhsReasDisable M u8	78		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.72		
SVDiag LRPRHighSector Cnt M Igc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1111		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55		
SVDiag_LowResPhsReasDisable_M_u8	1		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	51978.4479		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.84		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1900		
k_ErrorFiltKn_Cnt_u16	54515		
k_ErrorThresh_Cnt_u32	96983		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	86.71005368		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_UIs_f32	0.395847201		
k_LowResPhsReas_Cnt_str.Threshold	786		
k_LowResPhsReas_Cnt_str.PStep	591		
k_LowResPhsReas_Cnt_str.NStep	1000 122411		
k_PhsReasEnableThresh_Cnt_u32	-1665		
k_PhsReasErrorTerm_Cnt_s16 tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	170309		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	138802		
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	43562		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.504009128		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.951426446		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	862		
tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	11311		
tqt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	65332		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	11886		
tgt_DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_MtrRadpS_f32.value	251.1646431		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA	Cnt tgt_DigPhsReasDiag_Per1_Expected	OnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveResetA			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrP	osC tgt_DigPhsReasDiag_Per1_LRPRCor	rectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInd		·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB	Cnt tgt_DigPhsReasDiag_Per1_Measured	IOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_	Cnt tgt_DigPhsReasDiag_Per1_Measured	IOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilte	red_ tgt_DigPhsReasDiag_Per1_MotorVelM	MRFUnfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity	_Cr tgt_DigPhsReasDiag_Per1_MtrElecM	echPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt	_lgc tgt_DigPhsReasDiag_Per1_PDActivat	eTest_Cnt_lgc	
Name	Actual Value	Expected Value	Resul
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_enu		0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	633560	633560	•
	426695	426695	
SVDiag_FilterSV_Cnt_M_s18p13[1]	420093	420093	

4898816

79

4898816

79 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.951426446	0.951426446	*
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3934	3934	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	2	2 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.720000029	0.72	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1111	1111	✓

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

Test Step 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 Igc[2]	1
SVDiag LRPRLowSector Cnt M lgc[0]	0
SVDiag LRPRLowSector Cnt M lgc[1]	0
SVDiag LRPRLowSector Cnt M lgc[2]	0
SVDiag LRPRPhsAdvComp Cnt M u16	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 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	2000
k ErrorFiltKn Cnt u16	42410
k_ErrorThresh_Cnt_u32	75745
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	799.9812991
k_LowResPhsReasMaxTol_Uls_f32	1.667952597
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	4
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	363
k_PhsReasEnableThresh_Cnt_u32	91283
k_PhsReasErrorTerm_Cnt_s16	1433
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	61316
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	3528
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	146619
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

DigPhsReasDiag_Per1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.117531061		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.396101594		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	509		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	48944		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35377		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	165339		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-97.00191712		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnrows and the property of the property o$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTim	eB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTim	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_LRPRCorrectedMtrPos	c tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndext	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_Cr	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cr	tgt_DigPhsReasDiag_Per1_MeasuredOnTin	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	l_ tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	nfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	larity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	c tgt_DigPhsReasDiag_Per1_PDActivateTest	_Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	✓
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	-
SVDiag FilterSV Cnt M s18p13[0]	-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 lqc[1]	0	0	•
SVDiag LRPRHighSector Cnt M lgc[2]	0	0	
SVDiag LRPRLowSector Cnt M lgc[0]	0	0	•
SVDiag LRPRLowSector Cnt M lgc[1]	1	1	-
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag LRPRPhsAdvComp Cnt M u16	509	509	-
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	✓
SVDiag LowResPhsReasDisable M u8	48	48 ± 1	
SVDiag PrevLRPRAdjModldComp Cnt M f32	0.730000019	0.73	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	-
SVDiag PrevLRPRHighSector Cnt M Igc[1]	1	1	•
SVDiag PrevLRPRHighSector Cnt M Igc[2]	1	1	-
SVDiag PrevLRPRLowSector Cnt M lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag PrevLRPRLowSector Cnt M lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	1223	1223	

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

Fest Step 2.77 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	
SVDiag_HighResPhsReasDisable_M_u8	4	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.74	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

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		(
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1335	
SVDiag LowPhReasErrorAcc Cnt M u16	728	
SVDiag LowResPhsReasDisable M u8	25	
SVDiag MaxNrCommOffVltg Cnt M f32	58589.71287	
SVDiag PhaseOffset Rev M u0p16[0]	9175	
SVDiag PhaseOffset Rev M u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.86	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag PrevLRPRHighSector Cnt M 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_PrevERPRPhsAdvComp_Cnt_M_gc[2]	2100	
k_ErrorFiltKn_Cnt_u16	21945	
k_ErrorThresh_Cnt_u32	143948	
k LRPRMtrVelDiagEnable MtrRadpS T f32	586.1553687	
k_LowResPhsReasMaxTol_Uls_f32	1.985787213	
k LowResPhsReasMinTol Uls f32	0.286400735	
k_LowResPhsReas_Cnt_str.Threshold	248	
k LowResPhsReas Cnt str.PStep	51	
k LowResPhsReas Cnt str.NStep	688	
k PhsReasEnableThresh Cnt u32	172718	
k_PhsReasErrorTerm_Cnt_s16	-4324	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	15219	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	51510	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	119042	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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	
	135252	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	35469	
	90314	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	813.8449678	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	1	
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_LRPRPhaseadvanceCatgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1 - 1 - 1 - 1 - 1	
	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_lgr		
Name	Actual Value Expected Value	Resul

Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)	82	82	Kesuit
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	-
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	
		0	
SVDiag_FilterSV_Cnt_M_s18p13[0]	8192000	8192000	_
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000	16384000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	~
SVDiag_HighResPhsReasDisable_M_u8	5	5 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.234095216	0.234095216	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1671	1671	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	40	40	•
SVDiag_LowResPhsReasDisable_M_u8	26	26 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.74000001	0.74	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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

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

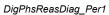
Test Step 2.78 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000
SVDiag_HighResPhsReasDisable_M_u8	97
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.75
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag LRPRHighSector Cnt M 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	1447
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	197
SVDiag LowResPhsReasDisable M u8	96
SVDiag_LowNesr insteasorisable_in_ub 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
	0.87
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	
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
<_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	900.360134
<pre>c_LowResPhsReasMaxTol_Uls_f32</pre>	0.266519666
C_LowResPhsReasMinTol_Uls_f32	2
_LowResPhsReas_Cnt_str.Threshold	0
<pre>c_LowResPhsReas_Cnt_str.PStep</pre>	313
C_LowResPhsReas_Cnt_str.NStep	618
C_PhsReasEnableThresh_Cnt_u32	62996
<pre>c_PhsReasErrorTerm_Cnt_s16</pre>	8526
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	39409
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	80217
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	107190
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	1432
gt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	25185
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	112692
gt DigPhsReasDiag Per1 MeasuredOnTimeC Cnt u32.value	39638
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-413.3882061
gt_DigPhsReasDiag_Per1_wiotorverwikr=0ffilitered_witrRaupS_152.value gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
· - · · · · · · · · · · · · · · · · · ·	1
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.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	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	c tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc

SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0] SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]

SVDiag_PrevLRPRHighSector_Cnt_M_Igc[2] SVDiag_PrevLRPRLowSector_Cnt_M_Igc[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_LRPRCorrectedMtrPost	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_LRPRModulation	nIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cappack and the property of the prope$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected 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	~

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

1

1

1447

1

1

1447

Test Step 2.79 (Repeat Count = 1)	v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	100
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.76
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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_MotorVelMRFUnfiltered_InstAp_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000	81920000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	215514580	215514580	
SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighPacPhaPacaPiaghla_M_u8	172345071 100	172345071	
SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.834954023	100 ± 1 0.834954023	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0.004904020	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag LRPRLowSector Cnt M lgc[0]	1	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4608	4608	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	
SVDiag_LowResPhsReasDisable_M_u8	6	6 ± 1	
SVDiag_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	



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

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





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVelMRFUnfiltered_Inst_Ap_Diag_Per1_MotorVel$	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_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]	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.769999981	0.77	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1671	1671	~
	'		

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

Test Step 2.81 (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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LowResPhsReas MinTo Lils_[32] LowResPhsReas_Cnt_str.Pitephold 77 LowResPhsReas_Cnt_str.Pitephold 89 LowResPhsReas_Cnt_str.Pitephold 80 LowResPhsReas_Cnt_str.Nitep 949 81 LowResPhsReas_Cnt_str.Nitep 949 82 LowResPhsReas_Cnt_str.Nitep 949 82 PhsReasEnabiteThreshort_u32 73028 82 PhsReasEnabiteThreshort_u32 73028 83 Robert LowResPhsReas_Cnt_str.Pitephold 84 85 85 85 85 85 85 85 85 85 85 85 85 85	Name	Input Value		
LowResPhsReas_Cnt_str.Threshold	k_LowResPhsReasMaxTol_Uls_f32	1.248945773		
LowResPhsReas_Cnt_str.PStep	k_LowResPhsReasMinTol_Uls_f32	2		
K_DNREASE/TABLE THE TEMPORT OF THE STATE OF	k_LowResPhsReas_Cnt_str.Threshold	77		
K_PhsReasEnableThresh_Cnt_u32 K_PhsReasErrorTerm_cnt_s16 K_PhsReasErrorTerm_cnt_s16 K_PhsReasErrorTerm_cnt_s16 K_PhsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32 value Igt_DigPhsReasDiag_Pert_ExpectedOnTimeB_Cnt_u32 value Igt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32 value Igt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32 value Igt_DigPhsReasDiag_Pert_GateDriveResetActive_Cnt_lgc.value Igt_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosCaptured_Rev_f32 value Igt_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosCaptured_Cnt_s16 value Igt_DigPhsReasDiag_Pert_LRPRCModulationIndexCaptured_Uls_f32 value Igt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32 value Igt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32 value Igt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32 value Igt_DigPhsReasDiag_Pert_MonovelMRFUnfiltered_MtrRadpS_f32 value Igt_DigPhsReasDiag_Pert_MonovelMRFUnfiltered_MtrRadpS_f32 value Igt_DigPhsReasDiag_Pert_MonovelMRFUnfiltered_MtrRadpS_f32 value Igt_DigPhsReasDiag_Pert_MonovelMRFUnfiltered_MtrRadpS_f32 value Igt_DigPhsReasDiag_Pert_MtrElecMechPolarity_Cnt_s08 value Igt_DigPhsReasDiag_Pert_MtrElecMechPolarity_Cnt_s08 value Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_PhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ Igt_DigPhsReasDiag_Pert_MeasuredOnT	k_LowResPhsReas_Cnt_str.PStep	949		
R_PhsReasErrorTerm_Cnt_s16 Igt_DigPhsReasDiag_Perf_ExpectedOnTimeA_Cnt_u32.value Igt_DigPhsReasDiag_Perf_ExpectedOnTimeB_Cnt_u32.value Igt_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_u32.value Igt_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_u32.value Igt_DigPhsReasDiag_Perf_LERPECorrectedMtrPosCaptured_Rev_132.value Igt_DigPhsReasDiag_Perf_LERPECorrectedMtrPosCaptured_Uis_f32.value Igt_DigPhsReasDiag_Perf_LERPERModulationIndexCaptured_Uis_f32.value Igt_DigPhsReasDiag_Perf_LERPERModulationIndexCaptured_Uis_f32.value Igt_DigPhsReasDiag_Perf_MeasuredOnTimeA_Cnt_u32.value Igt_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeA_Cnt_ Igt_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_ Igt_DigPhsReasDiag_Perf_ExpectedOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_LExpectedOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredOnTimeC_Cnt_u32.value Igt_Ret_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Perf_MeasuredO	k_LowResPhsReas_Cnt_str.NStep	794		
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tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	k_PhsReasErrorTerm_Cnt_s16	-352		
tgt_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32.value	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	167469		
tgt_DigPhsReasDiag_Pert_LRPRCorrectedMtPosCaptured_Rev_f32.value tgt_DigPhsReasDiag_Pert_LRPRCorrectedMtPosCaptured_Llls_f32.value tgt_DigPhsReasDiag_Pert_LRPRCorrectedMtPosCaptured_Ulls_f32.value tgt_DigPhsReasDiag_Pert_LRPRPhaseadvanceCaptured_Cnt_s16.value fgt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeB_Cnt_u32.value fgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value fgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value fgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value fgt_DigPhsReasDiag_Pert_MotorVelMRFUnfiltered_MtrRadpS_f32.value fgt_DigPhsReasDiag_Pert_MtrElecMechPolarity_Cnt_s08.value fgt_DigPhsReasDiag_Pert_MtrElecMechPolarity_Cnt_s08.value fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_ fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_ fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeB_Cnt_ fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRModulationIndexC fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRModulationIndexC fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRModulationIndexC fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_ fgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsRe	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	191364		
tgt_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosCaptured_Rev_f32.value tgt_DigPhsReasDiag_Pert_LRPRModulationIndexCaptured_Uls_f32.value tgt_DigPhsReasDiag_Pert_LRPRRPhaseadvanceCaptured_Cnt_s16.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Dert_MeasuredOnTimeA_Cnt_u32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_ExpectedOnTimeC_Cnt_u32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_LRPRCorrectedMtrPosc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_tgt tgt_DigPhsReasDiag_Pert_MeasuredOnTimeA_Cnt_	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	118315		
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tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.925942659		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value 185721 32162 44770 44770 44770 44770 44770 44770 44770 44770 4770	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.75757587		
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tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	185721		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -301.1813734 -1 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value -1 tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value -1 tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsRea	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	32162		
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tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_	$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Others and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
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tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32 tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellar (See Supplied From Front 1998) and the supplied of the supplie$	_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
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tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cntored and the property of the property $	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32		
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	$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPo$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
Name Actual Value Expected Value Result	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
	Name	Actual Value	Expected Value	Result

3	1 3 2 3 3 3 3 3 3 4 3 2 3 2 3 3 3 3 3 3 3	5	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-52425620	-52425620	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	466994900	466994900	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	216178460	216178460	~
SVDiag_HighResPhsReasDisable_M_u8	70	70 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.75757587	0.75757587	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3649	3649	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	77	77	~
SVDiag_LowResPhsReasDisable_M_u8	9	9 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.779999971	0.78	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1783	1783	•

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





Test Step 2.82 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600		
SVDiag_HighResPhsReasDisable_M_u8	18		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.79		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1895		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	995		
SVDiag_LowResPhsReasDisable M u8	72		
SVDiag_Lowncof Hortcasbioable_M_as	25692.32289		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.91		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2600		
c_ErrorFiltKn_Cnt_u16	37928		
c_ErrorThresh_Cnt_u32	115298		
C_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	902.1493455		
<_LowResPhsReasMaxTol_Uls_f32 < LowResPhsReasMinTol Uls f32	2		
CLowResPhsReas Cnt str.Threshold	940		
<pre>contest instead_ont_str.PStep</pre>	121		
<pre></pre> LowResPhsReas_Cnt_str.NStep	290		
<pre>c_PhsReasEnableThresh_Cnt_u32</pre>	108988		
<pre><_PhsReasErrorTerm_Cnt_s16</pre>	-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_MeasuredOnTimeA_Cnt_u32.value	154103		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	155670 27685		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	101.0338351		
gt_DigPhsReasDiag_Per1_MitclecMechPolarity_Cnt_s08.value gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_MitElectiveCirclanty_Cnt_sub.value	1		
gt_bgi histoasblag_i et i_i bactivate res_on_ge.value gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn		neA Cnt u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cn			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	c tgt_DigPhsReasDiag_Per1_LRPRCorrected	IMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceC	tgt_DigPhsReasDiag_Per1_LRPRPhasead	vanceCaptured_Cnt_s16	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr	52 5		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ci			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Ci	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 1 1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_C	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lc -			
Name	Actual Value	Expected Value	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte Call Ap DigPhsReasDiag		0	
OVDing FilterOV Ont Manager			
SVDiag_FilterSV_Cnt_M_s18p13[0]	-326136 -690200	-326136 -690200	

-690200

-1016336

19

-690200

-1016336

19 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5159	5159	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	705	705	~
SVDiag_LowResPhsReasDisable_M_u8	73	73 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.790000021	0.79	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1895	1895	~

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

Test Step 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

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.195205688		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1000		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29899		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	77518		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	6954		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	306.0302385		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_	Cnt tgt DigPhsReasDiag Per1 Expect	edOnTimeA Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB	Cnt tgt DigPhsReasDiag Per1 Expect	edOnTimeB Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC	Cnt tgt DigPhsReasDiag Per1 Expect	edOnTimeC Cnt u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActi			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrF			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationInd	7 - 7	· - -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA	1 - 1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilte			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cni		,	
Name	Actual Value	Expected Value	Result
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC Cnt T enun		82	rtoduit
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08	<i>'</i>	64	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	, I	1	J
SVDiag FilterSV Cnt M s18p13[0]	-6113875	-6113875	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-12227750	-12227750	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-18341625	-18341625	
SVDiag HighResPhsReasDisable M u8	18	18 ± 1	
	0.195205688	0.195205688	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	
	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	'		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag_LRPRLowSector_Cnt_M_lgc[2]		0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2072	2072	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	800	800	Y
SVDiag_LowResPhsReasDisable_M_u8	28	28 ± 1	•
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.800000012	0.8	_
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	<u> </u>
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2007	2007	✓

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

Test Step 2.84 (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_lgc[2]	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2119	
SVDiag LowPhReasErrorAcc Cnt M u16	452	
SVDiag LowResPhsReasDisable M u8	92	
SVDiag MaxNrCommOffVltg Cnt M f32	45882.90807	
SVDiag PhaseOffset Rev M u0p16[0]	13763	
SVDiag PhaseOffset Rev M u0p16[1]	14418	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	15073	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag PrevLRPRHighSector Cnt M 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	2800	
k_ErrorFiltKn_Cnt_u16	26163	
k_ErrorThresh_Cnt_u32	17923	
k LRPRMtrVelDiagEnable MtrRadpS T f32	548.7695711	
k_LowResPhsReasMaxTol_Uls_f32	1.310171843	
k LowResPhsReasMinTol Uls f32	0.65343225	
	314	
k_LowResPhsReas_Cnt_str.Threshold	49	
k_LowResPhsReas_Cnt_str.PStep	836	
k_LowResPhsReas_Cnt_str.NStep	131207	
k_PhsReasEnableThresh_Cnt_u32	-8693	
k_PhsReasErrorTerm_Cnt_s16	88480	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	24200	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	81105	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.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	1434	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	147177	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	22360	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	172604	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	349.5524419	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	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_Cr		
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_Ig		
Name	Actual Value Expected Value	Result

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_CII_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	✓

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

Test Step 2.85 (Repeat Count = 1)	· · · · · · · · · · · · · · · · · · ·
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000
SVDiag_HighResPhsReasDisable_M_u8	70
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.82
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag LRPRLowSector Cnt M Igc[1]	1
SVDiag LRPRLowSector Cnt M Igc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2231
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	109
SVDiag LowResPhsReasDisable M u8	5
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	70442.64925
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.2
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag PrevLRPRLowSector Cnt M lgc[0]	0
SVDiag_PrevERPRLowSector_Cnt_M_gc[0] SVDiag_PrevERPRLowSector_Cnt_M_gc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2900
k ErrorFiltKn Cnt u16	58265
k_ErrorThresh_Cnt_u32	112866
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	854.4616799
	1.567718804
k_LowResPhsReasMaxTol_Uls_f32 k_LowResPhsReasMinTol_Uls_f32	1.272922933
	1.272922955
k_LowResPhsReas_Cnt_str.Threshold	197
k_LowResPhsReas_Cnt_str.PStep	994
k_LowResPhsReas_Cnt_str.NStep	
k_PhsReasEnableThresh_Cnt_u32	30410
k_PhsReasErrorTerm_Cnt_s16	-8037
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	76426
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	38382
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	133074
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.99984741
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.840172887
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	599
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	98848
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	94170
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	102791
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-777.860909
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntor(App_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_CnressInst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_CnressInst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_CnressInst_Ap_DigPhsReasDiag_DigPhsPhsReasDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiag_DigPhsReadDiagD$	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc





Name	Input Value			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptable and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	inceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_Mea$	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]	-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	~	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2231	2231	_	

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

Test Step 2.86 (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]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	89
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.83
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2343
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843
SVDiag_LowResPhsReasDisable_M_u8	60
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

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DigPhsReasDiag_Per1 Input Value SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] 0 SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] 0 SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 3000 k_ErrorFiltKn_Cnt_u16 21474 k ErrorThresh Cnt u32 87498 k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32 637.4866108 k_LowResPhsReasMaxTol_Uls_f32 0 1.684043169 $k_LowResPhsReasMinTol_Uls_f32$ 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 108620 $tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value$ tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value 90403 tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value 185115 $tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value$ 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 $tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value$ 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 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 $tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt\\ use Tgt_DigPhsReasDiag_Per1_MeasUredOnTimeC_Cnt\\ use Tgt_DigPhsRe$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsReasDiag_Per1_DigPhsRe$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr\\ - tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08$

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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_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	0.829999983	0.83	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2343	2343	✓



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

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



Name	Input Value			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc$	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc			
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	~	
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560	45506560	~	
SVDiag_FilterSV_Cnt_M_s18p13[2]	42329452	42329452	~	
SVDiag_HighResPhsReasDisable_M_u8	13	13 ± 1	~	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.100000001	0.1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	~	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	~	
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	~	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.839999974	0.84	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2455	2455	~	

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

Test Step 2.88 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag FilterSV Cnt M s18p13[1]	-18202624
SVDiag FilterSV Cnt M s18p13[2]	-27303936
SVDiag HighResPhsReasDisable M u8	15
SVDiag LRPRAdjModldAComp Cnt M f32	0.85
SVDiag LRPRHighSector Cnt M 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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Berner_ExpectedOnTimeA_Cnt_Be$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Barrier = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_	ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_transfer = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_	GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_	_RPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexConstraints (Ap_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints) (Ap_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints) (Ap_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints) (Ap_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints) (Ap_DigPhsReasDiag_Per1_LRPRModulationIndexConstraints) (A$	tgt_DigPhsReasDiag_Per1_	_RPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCarries and the property of the property $	tgt_DigPhsReasDiag_Per1_	_RPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoreatedOnTim$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CnappersUpsReasDiag_PersU$	t tgt_DigPhsReasDiag_Per1_	MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnnter(Content of the Content of the Conte$	t 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_	MotorVelMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Comparison of the property of the pro$	tgt_DigPhsReasDiag_Per1_	MtrElecMechPolarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igentality (Continuous Continuous Co$	tgt_DigPhsReasDiag_Per1_	PDActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	19-3	5	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	0.850000024	0.85	~
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]	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	~

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





Test Step 2.89 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312		
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624		
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936		
SVDiag_HighResPhsReasDisable_M_u8	89		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.86		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0 2679		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	843		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	60		
SVDiag_LowNesr histeasDisable_w_u0 SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.4		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3300		
z_ErrorFiltKn_Cnt_u16	21474		
z_ErrorThresh_Cnt_u32	87498		
x_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108		
x_LowResPhsReasMaxTol_Uls_f32	0.625639021		
<_LowResPhsReasMinTol_Uls_f32	0		
<pre><_LowResPhsReas_Cnt_str.Threshold <_LowResPhsReas_Cnt_str.PStep</pre>	314 817		
<pre><_cowResPisReas_Cnt_str.NStep</pre>	832		
C PhsReasEnableThresh Cnt u32	137672		
C PhsReasErrorTerm Cnt s16	4047		
gt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	108620		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0	- A O-t ::20	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cn gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cn			
gt_Rte_inst_Ap_bigPnsReasblag.bigPnsReasblag_Per1_ExpectedOnTimeB_Cn gt_Rte_inst_Ap_bigPhsReasblag.bigPhsReasblag_Per1_ExpectedOnTimeC_Cn	1		
gt_Ne_mst_Ap_bigPhsNeasDiag.DigPhsReasDiag_Per1_ExpectedOffilineO_Off			
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_GatebhveReseActive_ gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_LRPRCorrectedMtrPos	- 0- 0 0	0	
gt_Rte_inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_LRPRModulationIndext		·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCi			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cr			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB Ct	32 2		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Ci			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1		
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_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]			

18202624

455216334

90

18202624

455216334

90 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

DigPhsReasDiag_Per1

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Actual Value **Expected Value** SVDiag_LRPRAdjModldAComp_Cnt_M_f32 0.100000001 0.1 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 0 0 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 11 11 SVDiag_LowResPhsReasDisable_M_u8 61 61 ± 1 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 0.860000014 0.86 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] 1 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] 1 1

0

0

0

2679

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

0

0

0

2679

Test Step 2.90 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248
SVDiag_FilterSV_Cnt_M_s18p13[1]	45506560
SVDiag_FilterSV_Cnt_M_s18p13[2]	54607872
SVDiag_HighResPhsReasDisable_M_u8	12
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.87
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2791
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	218
SVDiag_LowResPhsReasDisable_M_u8	50
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	21771.51829
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3400
k_ErrorFiltKn_Cnt_u16	14740
k_ErrorThresh_Cnt_u32	72720
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	376.7955461
k_LowResPhsReasMaxTol_Uls_f32	1.902872443
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	912
k_LowResPhsReas_Cnt_str.PStep	954
k_LowResPhsReas_Cnt_str.NStep	74
k_PhsReasEnableThresh_Cnt_u32	188776
k_PhsReasErrorTerm_Cnt_s16	-5608
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	161442
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	88138
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	142652
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	61428		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	20057		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	190963		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	993.4578749		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cntrack to the property of the property o$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cntractions and the property of the prope$	tgt_DigPhsReasDiag_Per1_ExpectedOnTim	neC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_	tgt_DigPhsReasDiag_Per1_GateDriveReset	tActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos0	tgt_DigPhsReasDiag_Per1_LRPRCorrected	MtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulatio	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa	tgt DigPhsReasDiag Per1 LRPRPhaseadv	ranceCaptured Cnt s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn		. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Ign	32 2	V— —	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	
SVDiag_FilterSV_Cnt_M_s18p13[0]	36405248	36405248	
SVDiag FilterSV Cnt M s18p13[1]	45506560	45506560	
SVDiag FilterSV Cnt M s18p13[2]	42329452	42329452	
SVDiag HighResPhsReasDisable M u8	13	13 ± 1	
SVDiag_LRPRAdjModldAComp_Cnt_M_d0	0.100000001	0.1	
SVDiag_ERFRAGINGGIGACOTHP_CHI_M_132 SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	
SVDiag_ERPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_ERFRiighSector_Cnt_M_igc[1] SVDiag_ERPRHighSector_Cnt_M_igc[2]	0	0	j
	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	144	144	
SVDiag_LowResPhsReasDisable_M_u8	51	51 ± 1	•
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.870000005	0.87	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	_
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2791	2791	

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

Test Step 2.91 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	
SVDiag_HighResPhsReasDisable_M_u8	15	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.88	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	

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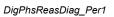


Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2903	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	298	
SVDiag_LowResPhsReasDisable_M_u8	88	
SVDiag MaxNrCommOffVltg Cnt M f32	51813.15286	
SVDiag PhaseOffset Rev M u0p16[0]	45875	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.6	
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	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReadDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_Exp$, · · · · · · · · · · · · · · · · · · ·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt \ Rte \ Inst \ Ap \ DigPhsReasDiag.DigPhsReasDiag \ Per1 \ GateDriveResetActive \ Option \ Pers \ Per$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulationIndexColline ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_P$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advance Called For the control of the control of$		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_CnressInst_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgenerations and the property of the$	tgt_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]	-9101312	-9101312	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16718660	-16718660	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	~
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.100000001	0.1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	286	286	•
SVDiag_LowResPhsReasDisable_M_u8	89	89 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.879999995	0.88	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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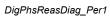




Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	2903	2903	✓

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

Test Step 2.92 (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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPoststate (Control of the Control of the C$	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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCalled States (Section 1) and the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplaye$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	t tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_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_MeasuredOnTim	eC_Cnt_u32		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Constraints and the property of the p$	r tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igrams and the property of the propert$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc		
Name	Actual Value	Expected Value	Result	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(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_PrevLRPRAdjModldComp_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	~	

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

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Test Step 2.93 (Repeat Count = 1)	la de la companya de
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.9
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3127
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	310
SVDiag_LowResPhsReasDisable_M_u8	58
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	86400
SVDiag_PhaseOffset_Rev_M_u0p16[0]	9175
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.8
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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DigPnsReasDiag_Per1			MACITAL
Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3700		
k_ErrorFiltKn_Cnt_u16	12718		
k_ErrorThresh_Cnt_u32	62389		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	300.6729135		
k_LowResPhsReasMaxTol_Uls_f32	0.538856328		
k_LowResPhsReasMinTol_Uls_f32	0.794280946		
k_LowResPhsReas_Cnt_str.Threshold	680		
k_LowResPhsReas_Cnt_str.PStep k_LowResPhsReas_Cnt_str.NStep	625 615		
k PhsReasEnableThresh Cnt u32	50618		
k_PhsReasErrorTerm_Cnt_s16	-304		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108267		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	173891		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	133314		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	147115		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	189959		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	50282		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-551.8336163		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOffTimeC_Cite tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_t	1 - 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cn	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnr			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_MotorVelMRFU	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color $	tgt_DigPhsReasDiag_Per1_MtrElecMechPo	plarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_IgGERSDIAGERSD$	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]	-7333510	-7333510	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-14667020	-14667020	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-22000530	-22000530	
SVDiag_HighResPhsReasDisable_M_u8	25	25 ± 1	
SVDiag_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] 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_Igc[0]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3127	3127	



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

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_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920	81920	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	98304	98304	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	106496	106496	~
SVDiag_HighResPhsReasDisable_M_u8	71	71 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.100000001	0.1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0	0	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	563	563	~
SVDiag_LowResPhsReasDisable_M_u8	52	52 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.910000026	0.91	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3239	3239	~

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

Test Step 2.95 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	83
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.92
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3351
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	955
SVDiag_LowResPhsReasDisable_M_u8	80
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3317.423642
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModldComp_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Diag_Per1_ExpectedOnTimeA_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Output \\ DigPhsReasDiag_Per1_GateDriveResetActive_Output \\ DigPhsReasDiag_Per1_GateDriveResetActiveDriveResetActiveDriveResetActiveDriveResetActiveDriveResetActiveDriveResetActiveDriveResetActiveDriveResetActiveDriveResetA$	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_LRPRPhaseadvanceCap	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	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_	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_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

tgt_t tto_mot_ tp_big. Hel todobidg.big. Hel todobidg_t el t_t bi tottate i est_elli_gt	grand and the second of the se		
Name	Actual Value	Expected 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	✓

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





Test Step 2.96 (Repeat Count = 1) Name	Input Value		
	·		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400		
SVDiag_FilterSV_Cnt_M_s18p13[1]	2334720		
SVDiag_FilterSV_Cnt_M_s18p13[2]	4898816		
SVDiag_HighResPhsReasDisable_M_u8	8		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.93		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3463		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	945		
SVDiag_LowResPhsReasDisable_M_u8	43		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3006.021288		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144		
k_ErrorFiltKn_Cnt_u16	12539		
k_ErrorThresh_Cnt_u32	166124		
C LRPRMtrVelDiagEnable MtrRadpS T f32	557.7246976		
C LowResPhsReasMaxTol Uls f32	1.003827095		
<pre>c_LowResPhsReasMinTol_Uls_f32</pre>	2		
k_LowResPhsReas_Cnt_str.Threshold	79		
<pre></pre> C_LowResPhsReas_Cnt_str.PStep	750		
k_LowResPhsReas_Cnt_str.NStep	494		
k PhsReasEnableThresh Cnt u32	169911		
k_PhsReasErrorTerm_Cnt_s16	6630		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	18424		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	8331		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeD_Ont_u32.value	109960		
	1		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value			
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.99984741		
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		
tgt_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			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_	Cnt_tgt_DigPhsReasDiag_Per1_ExpectedOnTi	meC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActi	ve_(tgt_DigPhsReasDiag_Per1_GateDriveRese	etActive_Cnt_lgc	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrF	PosC tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInd	lexC tgt_DigPhsReasDiag_Per1_LRPRModulati	onIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanc	eCaı tgt_DigPhsReasDiag_Per1_LRPRPhasead	vanceCaptured_Cnt_s16	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	meA_Cnt_u32	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	meB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnT	meC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfilte	ered_tgt_DigPhsReasDiag_Per1_MotorVelMRFU	Jnfiltered_MtrRadpS_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cni	=		
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enun		82	1,000
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(NTC_Cht_T_enum Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08		64	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Falain_Cht_1_uor Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enu	,	1	
Rie_Call_Ap_DigFilsReasDiag_NxtrDiagNigr_SettV1CStatus(Status_Citt_1_erit SVDiag_FilterSV_Cnt_M_s18p13[0]	3686400	3686400	
	JUDUAUU	3000400	

3686400

2334720

4898816

9

3686400

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9 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0]

SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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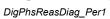


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.29188329	0.29188329	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
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	✓

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

Test Step 2.97 (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 Igc[0]	0
SVDiag LRPRHighSector Cnt M lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag LRPRLowSector Cnt M lgc[1]	1
SVDiag LRPRLowSector Cnt M lgc[2]	1
SVDiag LRPRPhsAdvComp Cnt M u16	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 PrevLRPRAdjModldComp Cnt M f32	0.15
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	222
k_ErrorFiltKn_Cnt_u16	41263
k_ErrorThresh_Cnt_u32	127981
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	671.9232046
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.805785835
k_LowResPhsReas_Cnt_str.Threshold	326
k_LowResPhsReas_Cnt_str.PStep	647
k_LowResPhsReas_Cnt_str.NStep	683
k_PhsReasEnableThresh_Cnt_u32	180657
k_PhsReasErrorTerm_Cnt_s16	-608
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	55099
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	73634
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	112669
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	978		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	141166		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	9017		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	184209		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	902.6384709		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnrows and the property of the property o$	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	

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

Test Step 2.98 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	32768000	
SVDiag_FilterSV_Cnt_M_s18p13[1]	40960000	
SVDiag_FilterSV_Cnt_M_s18p13[2]	49152000	
SVDiag_HighResPhsReasDisable_M_u8	82	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.95	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

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Name	Input Value	
	0	
	3687	
SVDiag LowPhReasErrorAcc Cnt M u16	98	
SVDiag LowResPhsReasDisable M u8	14	
SVDiag MaxNrCommOffVltg Cnt M f32	56004.09184	
SVDiag PhaseOffset Rev M u0p16[0]	9175	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486	
	0.2	
	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	3900	
k_ErrorFiltKn_Cnt_u16	33104	
k_ErrorThresh_Cnt_u32	13002	
	0	
	2	
	2	
	275	
k LowResPhsReas Cnt str.PStep	563	
k_LowResPhsReas_Cnt_str.NStep	524	
k PhsReasEnableThresh Cnt u32	37862	
k PhsReasErrorTerm Cnt s16	-3419	
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	17084	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171710	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	197843	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0	
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.94743979	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.574414074	
	960	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	91869	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	27644	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	172846	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-694.5145648	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0	
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	V V V V V V V V V V V V V V V V V V V	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_		
	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.94999988	0.95	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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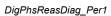
Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3687	3687	~

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

Test Step 2.99 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	81920000
SVDiag_FilterSV_Cnt_M_s18p13[1]	163840000
SVDiag_FilterSV_Cnt_M_s18p13[2]	245760000
SVDiag_HighResPhsReasDisable_M_u8	20
SVDiag_LRPRAdjModIdAComp_Cnt_M_f32	0.96
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_igc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
	3799
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	833
SVDiag_LowResPhsReasDisable_M_u8	67
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	29136.56314
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.25
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4000
k_ErrorFiltKn_Cnt_u16	16056
k_ErrorThresh_Cnt_u32	133658
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	542
k_LowResPhsReas_Cnt_str.PStep	181
k_LowResPhsReas_Cnt_str.NStep	463
k_PhsReasEnableThresh_Cnt_u32	185422
k_PhsReasErrorTerm_Cnt_s16	7333
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	52601
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	33035
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	199927
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value	1
tgt DigPhsReasDiag Per1 LRPRCorrectedMtrPosCaptured Rev f32.value	0.999984741
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-915
tgt_DigPhsReasDiag_Per1_EtxPkThaseadvanceCaptured_Cit_s10.value	4297
tgt DigPhsReasDiag Per1 MeasuredOnTimeB Cnt u32.value	53978
	81044
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	955.9420398
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1 Att Dir Dhan Diag Dard Franch (On Time A Ont 1999
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_	1 - 1 - 1
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt	1 - 1 - 1 - 1
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (tgt DigPhsReasDiag Per1 GateDriveResetActive Cnt Igc

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedM	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_$	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]	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	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	•
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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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3799

Test Step 2.100 (Repeat Count = 1)	The same of the sa
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	327680000
SVDiag_FilterSV_Cnt_M_s18p13[1]	409600000
SVDiag_FilterSV_Cnt_M_s18p13[2]	491520000
SVDiag_HighResPhsReasDisable_M_u8	10
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.97
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3911
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	55
SVDiag_LowResPhsReasDisable_M_u8	69
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	64013.41653
SVDiag_PhaseOffset_Rev_M_u0p16[0]	26214
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.3
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1.

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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	
	[** *	[* * * * * ·	•



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

Test Step 2.101 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760
SVDiag_HighResPhsReasDisable_M_u8	63
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.98
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag LRPRLowSector Cnt M Igc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4023
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0
SVDiag_LowResPhsReasDisable_M_u8	74
	2058.742029
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	45875
SVDiag_PhaseOffset_Rev_M_u0p16[0]	
GVDiag_PhaseOffset_Rev_M_u0p16[1]	52429
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.35
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4200
_ErrorFiltKn_Cnt_u16	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
- -	
x_PhsReasErrorTerm_Cnt_s16	-3384
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	187791
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34303
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	176503
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.329017401
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	381
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	46947
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	145198
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	141867
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	654.1441312
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	
gt_Ne_mst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_expectedOnTimeC_Ont_ gt_Rte_Inst_Ap_bigPhsReasDiag.bigPhsReasDiag_Per1_expectedOnTimeC_Ont_	1
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa _l	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa _l	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_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]	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	~

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

Test Step 2.102 (Repeat Count = 1)	🕶 🕶
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600
SVDiag_HighResPhsReasDisable_M_u8	7
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.99
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4135
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000
SVDiag_LowResPhsReasDisable_M_u8	50
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	55395.04598
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.4
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300
k_ErrorFiltKn_Cnt_u16	9891
k_ErrorThresh_Cnt_u32	127344
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	594.0176252

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	434		
k_LowResPhsReas_Cnt_str.PStep	243		
k_LowResPhsReas_Cnt_str.NStep	459		
k_PhsReasEnableThresh_Cnt_u32	145967		
k_PhsReasErrorTerm_Cnt_s16	1046		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	114566		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103617		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	179242		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.62301743		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.489340723		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1304		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	8750		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	99816		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	142693		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	514.6435031		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnTimeB_Diag_Per1_ExpectedOnT$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_E$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Others and the property of the prope$	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_LRPRModulationIndexCollege (Control of the Control of the $	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntored and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorellar (Section 1) and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_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_MotorVeIMRFUn	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	-
Pte Call An DiaPhePeaching NytrDiagMar SetNTCStatus/Param Cnt T u08)	64	64	-

Name	Actual Value	Expected 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	~
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	✓

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus	1	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_DigPhsReas	sDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-8192000	solag	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-16384000		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-24576000		
SVDiag_HighResPhsReasDisable_M_u8	62		
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.05		
SVDiag_LRPRHighSector Cnt M lgc[0]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Ont_M_gc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4247		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	348		
SVDiag_LowPinReasEntitAcc_Citt_M_u10 SVDiag_LowResPhsReasDisable_M_u8	99		
SVDiag_LownesPrisheasDisable_ivi_uo SVDiag_MaxNrCommOffVltg_Cnt_M_f32	18465.48025		
	9175		
SVDiag_PhaseOffset_Rev_M_u0p16[0]			
SVDiag_PhaseOffset_Rev_M_u0p16[1]	9830		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	10486		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.45		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4400		
_ErrorFiltKn_Cnt_u16	10896		
_ErrorThresh_Cnt_u32	108845		
_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	367.4144168		
_LowResPhsReasMaxTol_Uls_f32	2		
_LowResPhsReasMinTol_Uls_f32	0.224149525		
_LowResPhsReas_Cnt_str.Threshold	383		
_LowResPhsReas_Cnt_str.PStep	394		
_LowResPhsReas_Cnt_str.NStep	685		
_PhsReasEnableThresh_Cnt_u32	186741		
_PhsReasErrorTerm_Cnt_s16	-9475		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	123485		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	45565		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	187029		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
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_weasuredOnTimeA_Cnt_u32.value	45324		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	93035		
gt_DigPhsReasDiag_Per1_MeasuredOffTimeC_Cht_us2.value gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	970.6926895		
	-1		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value gt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		SynastedOnTimeA Ont 1:22	
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTime		·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveReset/		,	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedN		RPRCorrectedMtrPosCaptured_Rev_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation	0_ 0_ 0	RPRModulationIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadva			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTim			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTim	ieC_Cnt tgt_DigPhsReasDiag_Per1_N	MeasuredOnTimeC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUn	ifiltered_ tgt_DigPhsReasDiag_Per1_N	NotorVelMRFUnfiltered_MtrRadpS_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cr tgt_DigPhsReasDiag_Per1_N	MtrElecMechPolarity_Cnt_s08	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc tgt_DigPhsReasDiag_Per1_P	DActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Res
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_er		82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_		0	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T	enum) 0	0	

-8192000

-16384000

-20490000

63

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

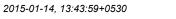
SVDiag_HighResPhsReasDisable_M_u8

-8192000

-16384000

-20490000

63 ± 1





Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	377	377	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.0500000007	0.05	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	•
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	•
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4247	4247	~

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

Test Step 2.104 (Repeat Count = 1)	range in the second of the
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	46
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.1
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6100
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32
SVDiag_LowResPhsReasDisable_M_u8	86
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	7519.576559
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.5
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4500
k_ErrorFiltKn_Cnt_u16	1574
k_ErrorThresh_Cnt_u32	151830
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016
k_LowResPhsReasMaxTol_Uls_f32	1.715960026
k_LowResPhsReasMinTol_Uls_f32	1.025065541
k_LowResPhsReas_Cnt_str.Threshold	617
k_LowResPhsReas_Cnt_str.PStep	0
k_LowResPhsReas_Cnt_str.NStep	701
k_PhsReasEnableThresh_Cnt_u32	91850
k_PhsReasErrorTerm_Cnt_s16	7536
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	190000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value		
$tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value$	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime.$	A_Cnt_ tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime$	B_Cnt_ tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime$	C_Cnt_tgt_DigPhsReasDiag_Per1_Exp	ectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetA$	active_(tgt_DigPhsReasDiag_Per1_Gate	eDriveResetActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMaterial Materials and Materials a$	ftrPosC tgt_DigPhsReasDiag_Per1_LRF	PRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationI$	IndexC tgt_DigPhsReasDiag_Per1_LRF	PRModulationIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadval	nceCar tgt_DigPhsReasDiag_Per1_LRF	RPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimestate (Control of the Control of the Control$	eA_Cnt tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime	eB_Cnt tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime	eC_Cnt tgt_DigPhsReasDiag_Per1_Mea	suredOnTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnf	filtered_tgt_DigPhsReasDiag_Per1_Mot	orVelMRFUnfiltered_MtrRadpS_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cr tgt_DigPhsReasDiag_Per1_Mtrl	ElecMechPolarity_Cnt_s08	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest (Cnt lgc tgt DigPhsReasDiag Per1 PDA	ActivateTest Cnt Igc	
Name	Actual Value	Expected Value	Result
Die Cell As DieDheDeseDies NoteDiesMan CettlECOtetes/NITO Cet T es			
Rie Call Ab DidPriskeasDiad NxtrDiadivide Setn (CStatus(NTC Crit i en	num) 82	82	•
		82	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_translations) and translations are also considered as a function of the property of the prop$	u08) 0	0 0	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_tRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_equal transfer of the properties of the pr$	u08) 0 enum) 0	0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_eRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_FilterSV_Cnt_M_s18p13[0]	u08) 0	0 0 -3596682	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_ Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_e SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]	u08) 0 enum) 0 -3596682 -6235508	0 0 -3596682 -6235508	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_e SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2]	u08) 0 enum) 0 -3596682 -6235508 -7194938	0 0 -3596682 -6235508 -7194938	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_tRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8	uu08) 0 enum) 0 -3596682 -6235508 -7194938 47	0 0 -3596682 -6235508 -7194938 47 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_tRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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	uu08) 0 0 -3596682 -6235508 -7194938 47 1	0 0 -3596682 -6235508 -7194938 47 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_tRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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]	uu08) 0 0 -3596682 -6235508 -7194938 47 1 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_tRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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]	uu08) 0 0 -3596682 -6235508 -7194938 47 1 0 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0	0
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_IRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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]	uu08) 0 -3596682 -6235508 -7194938 47 1 0 0 1	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_IRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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]	uu08) 0 -3596682 -6235508 -7194938 47 1 0 0 1	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_I Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_e 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]	uu08) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_IRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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]	uu08) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 0 0 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_I Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_e 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] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	uu08) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 0 1 1 1 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	uu08) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 0 6026 32	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_FilterSV_Cnt_M_s18p13[2] SVDiag_HighResPhsReasDisable_M_u8 SVDiag_LRPRAdjModIdAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRHsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhsReasDisable_M_u8	uu08) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[2] SVDiag_LRPRhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	uu08) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_eRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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[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_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRAdjModldComp_Cnt_M_lgc[0]	uu8) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 0 0 6026 32 87 0.100000001 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_eRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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_LRPRHosAdvComp_Cnt_M_16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPracadion_status_Mu8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	uu8) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 0 0 6026 32 87 0.100000001 0 0	0 0 -3596682 -6235508 -7194938 47 ± 1 1 0 0 1 1 1 0 0 6026 32 87 ± 1 0.1 0 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_eRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	uu8) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001 0 0 0	0 0 -3596682 -6235508 -7194938 47±1 1 0 0 1 1 1 0 0 6026 32 87±1 0.1 0 0 0 0	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_ente_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_ente_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_ente_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enter_Call_Ap_DigPhsReasDiag_NxtrDiag_SetNTCStatus(Status_Cnt_T_enter_Call_Ap_DigPhsReasDiag_NxtrDiag_SetNTCStatus(Status_Cnt_T_enter_Call_Ap_DigPhsReasDiag_NxtrDiag_SetNTCStatus_Cnt_M_set	uu8) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 0 0 0 6026 32 87 0.100000001 0 0 0 1	0 0 -3596682 -6235508 -7194938 47±1 1 0 0 1 1 1 0 0 6026 32 87±1 0.1 0 0 0 1	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_eRte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_eSVDiag_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_LRPRHosAdvComp_Cnt_M_16 SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPracadion_status_Mu8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	uu8) 0 enum) 0 -3596682 -6235508 -7194938 47 1 0 0 1 1 1 0 0 6026 32 87 0.100000001 0 0 0	0 0 -3596682 -6235508 -7194938 47±1 1 0 0 1 1 1 0 0 6026 32 87±1 0.1 0 0 0 0	

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

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	

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Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag LRPRPhsAdvComp Cnt M u16	6000	
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	32	
SVDiag LowResPhsReasDisable M u8	86	
SVDiag MaxNrCommOffVltg Cnt M f32	7519.576559	
SVDiag PhaseOffset Rev M u0p16[0]	26214	
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322	
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.55	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4600	
k_ErrorFiltKn_Cnt_u16	1574	
k_ErrorThresh_Cnt_u32	151830	
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	775.1627016	
k_LowResPhsReasMaxTol_Uls_f32	1.715960026	
k_LowResPhsReasMinTol_Uls_f32	1.025065541	
k_LowResPhsReas_Cnt_str.Threshold	617	
k_LowResPhsReas_Cnt_str.PStep	1000	
k_LowResPhsReas_Cnt_str.NStep	701	
k_PhsReasEnableThresh_Cnt_u32	91850	
k_PhsReasErrorTerm_Cnt_s16	7536	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	190000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	57550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	103157	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiagDigPhsReadDiagDigPhsReadDiagDigPhsReadDiagDigPh$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Diag_Diag_Diag_Diag_Diag_Diag_Diag_$	1	
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_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCaptures and the property of the prope$		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_PhsReasDiag_Per1_MeasuredOnTimeA_CntgPhsReasDiag_PhsReadPhsR$	3	
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_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	1 1 1	
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

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	~
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	617	617	~
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.150000006	0.15	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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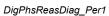


Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6000	6000	✓

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

Test Step 2.106 (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_PriaseOffset_Nev_W_uupfo[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_Igc.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 lgc

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16





Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexControl of the property of the propert$	tgt_DigPhsReasDiag_Per1_LRPRModulation	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	eA_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgeneration and the property of the pr$	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]	-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_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	~

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

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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_PrevLRPRAdjModldComp_Cnt_M_f32	0.65
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1

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Name SV/Diag Provi BDBI outCoster Cat M Ige[4]	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
2 2 20 1 7	4800		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16 k_ErrorFiltKn_Cnt_u16	32031		
k_ErrorThresh_Cnt_u32	99966		
k LRPRMtrVelDiagEnable MtrRadpS T f32	784.1221836		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_UIs_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	949		
k_LowResPhsReas_Cnt_str.PStep	121		
k_LowResPhsReas_Cnt_str.NStep	0		
k_PhsReasEnableThresh_Cnt_u32	99226		
k_PhsReasErrorTerm_Cnt_s16	-6764		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	83956		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	34128		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	183141		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.171248913		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-621		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	160996		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	191407		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	141031		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-8.152146459		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1 1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value		oA Cnt u22	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt	, , , , , , , , , , , , , , , , , , ,		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCa			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	7 7 7	·	
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_DigPhsReasDiag_Per1_MotorVeIMRFUr	nfiltered_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]	18628043	18628043	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	23277046	23277046	•
SVDiag_FilterSV_Cnt_M_s18p13[2]	27926049	27926049	•
SVDiag_HighResPhsReasDisable_M_u8	31	31 ± 1	•
SVDiag_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] SVDiag_LRPRLowSector_Cnt_M_u16	0 2451	0 2451	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	2451 768	768	
	28	28 ± 1	
SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevI_RPRAdiModIdComp_Cot_M_f32	0.25	0.25	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0.25	0.25	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_gc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_gc[0]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4695	4695	
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T
Actual Function Count Expected Function Count





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_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_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_MotorVelMRFUnfiltered_InstApD_Diag_Per1_Moto$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPola	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcaps and the property of the propert$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3122088	-3122088	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6244176	-6244176	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936	-27303936	~
SVDiag_HighResPhsReasDisable_M_u8	62	62 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	328	328	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	88	88 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.30000012	0.3	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	-
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4807	4807	

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

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	0.334296048		
k_LowResPhsReasMinTol_Uls_f32	0.580176294		
k_LowResPhsReas_Cnt_str.Threshold	22		
k_LowResPhsReas_Cnt_str.PStep	836		
k_LowResPhsReas_Cnt_str.NStep	348		
k_PhsReasEnableThresh_Cnt_u32	119596		
k_PhsReasErrorTerm_Cnt_s16	2032		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsReadDiag_Per1_ExpectedOnTimeA_DigPhsR$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_R$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_DigPhsReadDiag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt\ Rte\ Inst\ Ap\ DigPhsReasDiag.DigPhsReasDiag\ Per1\ LRPRCorrectedMtrPosC$	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_LRPRPhaseadvanceCaption and the property of the property $	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasuredOnTimeA_Cnt_ReasDiag_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTimeA_Cnt_Read_Per1_MeasUredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasuredOnTimeB_Cnt_ReasDiag_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUredOnTimeB_Cnt_Read_Per1_MeasUre$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsRe$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUr	nfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$\underline{tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc}$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	_Cnt_lgc	
Name	Actual Value	Expected Value	Result

3	10-10-10-10-10-10-10-10-10-10-10-10-10-1		
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]	-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_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4919	4919	~

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





Test Step 2.110 (Repeat Count = 1) Name	Input Value		
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag		
SVDiag_FilterSV_Cnt_M_s18p13[0]	-81920000		
SVDiag FilterSV Cnt M s18p13[1]	-163840000		
SVDiag_FilterSV_Cnt_M_s18p13[2]	-245760000		
SVDiag_HighResPhsReasDisable_M_u8	31		
SVDiag_Inglinesr his reasplease_iv_as	0.4		
SVDiag_ERN TVAGINIOUIDACOTIP_OTIT_M_152	1		
SVDiag_ERPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_ERPRHighSector_Cnt_M_lgc[2]	1		
	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0] SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
VDiag_LRPRPhsAdvComp_Cnt_M_u16	5031		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	164		
SVDiag_LowResPhsReasDisable_M_u8	39		
GVDiag_MaxNrCommOffVltg_Cnt_M_f32	61785.91615		
VDiag_PhaseOffset_Rev_M_u0p16[0]	26214		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	32768		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	39322		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.8		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5100		
_ErrorFiltKn_Cnt_u16	30501		
ErrorThresh Cnt u32	67010		
 _LRPRMtrVelDiagEnable_MtrRadpS_T_f32	478.1262645		
LowResPhsReasMaxTol Uls f32	2		
LowResPhsReasMinTol Uls f32	0.960036993		
C LowResPhsReas Cnt str.Threshold	0		
	816		
<pre>(_LowResPhsReas_Cnt_str.PStep</pre>			
<pre>c_LowResPhsReas_Cnt_str.NStep</pre>	608		
c_PhsReasEnableThresh_Cnt_u32	7126		
x_PhsReasErrorTerm_Cnt_s16	-8630		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	29623		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	64654		
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	145639		
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.893690228		
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.184053838		
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-575		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	115298		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	174298		
gt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	99520		
gt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1038.290517		
gt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
gt_DigPhsReasDiag_Per1_PNActivateTest_Cnt_lgc.value	0		
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA		imeA Cnt u32	
gt_Rte_Inst_Ap_DigPisReasDiag.DigPisReasDiag_Per1_ExpectedOnTimeA gt_Rte_Inst_Ap_DigPisReasDiag.DigPisReasDiag_Per1_ExpectedOnTimeB_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActi			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrF	0_ 0	·	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInd			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA			
gt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeB	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn7	ΓimeB_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn7	FimeC_Cnt_u32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfilte	red_ tgt_DigPhsReasDiag_Per1_MotorVelMRF	Unfiltered_MtrRadpS_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity	y_Cr tgt_DigPhsReasDiag_Per1_MtrElecMech/	Polarity_Cnt_s08	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt			
Name	Actual Value	Expected Value	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum		82	Resi
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08		64	
	ima\ 4		
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_ent SVDiag_FilterSV_Cnt_M_s18n13i01	um) 1 -43793750	-43793750	

-43793750

-87587500

-131381250

32

-43793750

-87587500

-131381250

32 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[0] SVDiag_FilterSV_Cnt_M_s18p13[1]

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.184053838	0.184053838	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5569	5569	✓
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	✓
SVDiag_LowResPhsReasDisable_M_u8	40	40 ± 1	✓
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.400000006	0.4	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[0]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5031	5031	✓

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

Test Step 2.111 (Repeat Count = 1)	✓
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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.85
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5200
k_ErrorFiltKn_Cnt_u16	21417
k_ErrorThresh_Cnt_u32	59865
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	699.9366437
k_LowResPhsReasMaxTol_Uls_f32	0.004566371
k_LowResPhsReasMinTol_Uls_f32	1.783162415
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	717
k_LowResPhsReas_Cnt_str.NStep	477
k_PhsReasEnableThresh_Cnt_u32	69376
k_PhsReasErrorTerm_Cnt_s16	9834
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	16693
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	171928
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	174651
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_Igc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.707552671		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1249		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	143921		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	36819		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	46089		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-342.0281981		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Control of the property $	cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOr	nTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Order (Section 1) and the property of the$	cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOr	nTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Onto a substitution of the property of th$	Cnt_ tgt_DigPhsReasDiag_Per1_ExpectedOr	TimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActiveRese$	e_(tgt_DigPhsReasDiag_Per1_GateDriveR	esetActive_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRCorrectedMtrPolicy and the property of the property $	osC tgt_DigPhsReasDiag_Per1_LRPRCorre	ctedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationInderset and the property of the property $	xC tgt_DigPhsReasDiag_Per1_LRPRModu	lationIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhase	eadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}{C}$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredO	nTimeA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_0	Cnt tgt_DigPhsReasDiag_Per1_MeasuredO	nTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_	Cnt tgt_DigPhsReasDiag_Per1_MeasuredO	nTimeC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfilter	ed_tgt_DigPhsReasDiag_Per1_MotorVeIMF	RFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity	Cr tgt DigPhsReasDiag Per1 MtrElecMed	hPolarity Cnt s08	
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	82	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)		0	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enur		0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	6145766	6145766	•
SVDiag FilterSV Cnt M s18p13[1]	12270115	12270115	•
SVDiag FilterSV Cnt M s18p13[2]	18394464	18394464	•
SVDiag HighResPhsReasDisable M u8	10	10 ± 1	•
SVDiag LRPRAdjModldAComp Cnt M f32	0.707552671	0.707552671	•
SVDiag LRPRHighSector Cnt M Igc[0]	1	1	•
SVDiag LRPRHighSector Cnt M lgc[1]	0	0	•
SVDiag LRPRHighSector Cnt M lgc[2]	0	0	
SVDiag LRPRLowSector Cnt M Igc[0]	0	0	
SVDiag LRPRLowSector Cnt M lgc[1]	1	1	
SVDiag_ERR N26w6estor_GR_M_igq[r]	0	0	
SVDiag LRPRPhsAdvComp Cnt M u16	1823	1823	
SVDiag LowPhReasErrorAcc Cnt M u16	0	0	
SVDiag LowResPhsReasDisable M u8	10	10 ± 1	
SVDiag PrevLRPRAdjModIdComp Cnt M f32	0.449999988	0.45	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	
SVDiag_PrevERPRHighSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	
	1	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	5143	5143	
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16			

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

Test Step 2.112 (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	

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		1 1 2 1 6 1 6
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5255	
SVDiag LowPhReasErrorAcc Cnt M u16	32	
SVDiag LowResPhsReasDisable M u8	86	
SVDiag MaxNrCommOffVltg Cnt M f32	7519.576559	
SVDiag PhaseOffset Rev M u0p16[0]	6554	
SVDiag PhaseOffset Rev M u0p16[1]	13107	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.9	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag PrevLRPRHighSector Cnt M lgc[1]	0	
SVDiag PrevLRPRHighSector Cnt M lgc[2]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	5300	
k_ErrorFiltKn_Cnt_u16	1574	
k_ErrorThresh_Cnt_u32	151830	
k LRPRMtrVelDiagEnable MtrRadpS T f32	775.1627016	
k_LowResPhsReasMaxTol_Uls_f32	1.715960026	
k LowResPhsReasMinTol Uls f32	1.025065541	
k LowResPhsReas Cnt str.Threshold	617	
k LowResPhsReas Cnt str.PStep	0	
k LowResPhsReas Cnt str.NStep	701	
	91850	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	7536	
	116493	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	57550	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	103157	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-118	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	78947	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	168212	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	71051	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-90.65927643	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1 Let BirDha Basa Bira Bard Furranted Outline A Out 1900	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	0 0 0 0 0	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPost		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	7 7 7	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Resul

Name	Actual Value		Result
		Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3596682	-3596682	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6235508	-6235508	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7194938	-7194938	•
SVDiag_HighResPhsReasDisable_M_u8	47	47 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	6026	6026	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	•
SVDiag_LowResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.5	0.5	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~

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Name	Actual Value	Expected Value	Result
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	✓

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

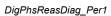
Test Step 2.113 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	-18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	-27303936
SVDiag_HighResPhsReasDisable_M_u8	96
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	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_LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaption and the property of the property $	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_CntoredDisplayed and the property of the $	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntorellar (Section 1) and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property o$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	eC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltered	tgt_DigPhsReasDiag_Per1_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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]	-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	~

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

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Test Step 2.114 (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]	-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		



T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_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 2.115 (Repeat Count = 1)	
lame	Input Value
tte_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
	10
VDiag_LowResPhsReasDisable_M_u8	
VDiag_MaxNrCommOffVltg_Cnt_M_f32	65766.99189
VDiag_PhaseOffset_Rev_M_u0p16[0]	9175
VDiag_PhaseOffset_Rev_M_u0p16[1]	9830
VDiag_PhaseOffset_Rev_M_u0p16[2]	10486
VDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.95
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
gt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	145379
pt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	53377
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	125101
pt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.157696962
at DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	-0.677369952
pt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	1404
at DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	131975
pt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Ont_us2.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
pt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	
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	t tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	(tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex	
pt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	
at Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cr	
	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32





Name	Input Value		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_ApD_DigPhsReadDiag_Per1_MotorVe$	tgt_DigPhsReasDiag_Per1_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgcolor=0.00000000000000000000000000000000000$	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]	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_PrevLRPRAdjModIdComp_Cnt_M_f32	0.550000012	0.55	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5367	5367	~

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

Test Step 2.116 (Repeat Count = 1)	· Carlotte and the control of the co
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	-3686400
SVDiag_FilterSV_Cnt_M_s18p13[1]	-6389760
SVDiag_FilterSV_Cnt_M_s18p13[2]	-7372800
SVDiag_HighResPhsReasDisable_M_u8	24
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.6
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5479
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	70
SVDiag_LowResPhsReasDisable_M_u8	74
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	19487.31737
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[1]	65535
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	5500
k_ErrorFiltKn_Cnt_u16	47864
k_ErrorThresh_Cnt_u32	72396
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	646.7417888

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Name	Input Value	
k_LowResPhsReasMaxTol_Uls_f32	0.334296048	
k_LowResPhsReasMinTol_Uls_f32	0.580176294	
k_LowResPhsReas_Cnt_str.Threshold	22	
k_LowResPhsReas_Cnt_str.PStep	836	
k_LowResPhsReas_Cnt_str.NStep	348	
k_PhsReasEnableThresh_Cnt_u32	119596	
k_PhsReasErrorTerm_Cnt_s16	2032	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	1000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	1000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1000	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-778	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	193366	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	85377	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	164755	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	219.6802435	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Diag_Per1_Exp$	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptor and the property of the property o$	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellare Applied Appli$	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrop of the property of$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrElecMechPolarity_Cross_Read_Per1_MtrEl$	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	
Name	Actual Value Expected Value	Result

tgt_kte_inst_Ap_bigFitskeasblag.bigFitskeasblag_Fett_FbActivateTest_Cit_gt	I IGI_DIGFTISKEASDIAG_FEIT_FDACIIVAIETESI_	_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]	-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_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	~

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	Rte_Call_DigPhsReasDiag_Per1_CP0_CheckpointReached	1	~
PhaseGroundTabLookupoffset	1	PhaseGroundTabLookupoffset	1	~
Read_CountToRev	3	Read_CountToRev	3	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_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_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)) == (Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)))=True
((TRUE == SetFaultCounter_Cnt_T_lgc) =False"
TS3.7 "(((Abs_f32_m(MotorVelMRFUnfilt_MtrRadpS_T_f32) < k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32)) &&
(((Abs_s16_m(PrevPhsAdvComp_Cnt_T_s16) > D_PHSPOSADVCNTS90DEG_CNT_U16)))=True
((TRUE == SetFaultCounter_Cnt_T_lgc)=False"
TS3.8 "(SVDiag_HighPsepPasDisable_M_u8 > 100LN=True)

Test Step 3.1 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	
SVDiag_HighResPhsReasDisable_M_u8	0	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	

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——————————————————————————————————————		(0.0	-010010
Name	Input Value		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	0		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0		
SVDiag LowResPhsReasDisable M u8	0		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	0		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	0		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	0		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	0		
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0		
k_ErrorFiltKn_Cnt_u16	0		
k_ErrorThresh_Cnt_u32	0		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0		
k_LowResPhsReasMaxTol_Uls_f32	0		
k_LowResPhsReasMinTol_Uls_f32	0		
k_LowResPhsReas_Cnt_str.Threshold	0		
k_LowResPhsReas_Cnt_str.PStep	0		
k_LowResPhsReas_Cnt_str.NStep	0		
k_PhsReasEnableThresh_Cnt_u32	0		
k_PhsReasErrorTerm_Cnt_s16	-10000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1536		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-1118		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	0	- A - Ot - ::00	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	0_ 0_ 1		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReadDigPhsReadDigPhsReadDigPhsReadDigPhsR			
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			
0= = = := 0	0_ 0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCtgt 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_Cn			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Perl PDActivateTest Cnt Igo			
	· · · · · · · · · · · · · · · · · · ·		Dec. 14
Name Pto Coll An DiaDhaReanDiag NytrDiagMar SetNTCStatus(NTC Cot T onum)	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	106	106	
RIE CAII AD DIUPTISREASDIAU INXIIDIAUIVIOL SEINTCSTATUS(STATUS CRIT ENUM)	I	1.1	

tgt_tte_inst_Ap_bigFnstteasblag.bigFnstteasblag_Fen_FbActivateTest_Cnt_gc	tgt_DigriisixeasDiag_rei i_rDActivate rest_	.cnt_igc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	106	106	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	•
SVDiag_HighResPhsReasDisable_M_u8	1	1 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	•
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	•
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	1	1 ± 1	✓

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

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

Test Step 3.2 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	2147418112
SVDiag FilterSV Cnt M s18p13[1]	2147418112
SVDiag_FilterSV_Cnt_M_s18p13[2]	2147418112
SVDiag_HighResPhsReasDisable_M_u8	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_LowResFirsReasDisable_ivi_uo SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000
	65535
SVDiag_PhaseOffset_Rev_M_u0p16[0]	
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]	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144
k_ErrorFiltKn_Cnt_u16	65535
k_ErrorThresh_Cnt_u32	200000
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	1000
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	2
k_LowResPhsReas_Cnt_str.Threshold	1000
k_LowResPhsReas_Cnt_str.PStep	1000
k_LowResPhsReas_Cnt_str.NStep	1000
k_PhsReasEnableThresh_Cnt_u32	200000
k_PhsReasErrorTerm_Cnt_s16	10000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	200000
$tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value$	1
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
$tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value$	1
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	1118
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1



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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Diag_Per1_ExpectedOnTimeC_Diag_Diag_Diag_Diag_Diag_Diag_Diag_Diag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Colors and the property of the prope$	tgt_DigPhsReasDiag_Per1_GateDriveResetA	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptagaparter (Control of the Control o$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedN	/trPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC$	tgt_DigPhsReasDiag_Per1_LRPRModulation	IndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	Car tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeA Cnt	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt$	tgt_DigPhsReasDiag_Per1_MeasuredOnTime	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_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_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_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_MotorVelMRFUnfiltered_Inst_ApD_Diag_Per1_M$	tgt_DigPhsReasDiag_Per1_MotorVeIMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	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)	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]	Ī	1	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	6144	6144	~

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

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

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SVDiag PrevLRPRILowSector Cnt_M_gct[] SVDiag PrevLRPRILo				(2)2010
SVDiag PrekLRPRHysipSector Cnt_M got 0	Name	Input Value		
SVDiag PrevI.RPRILowSector Cnt.M. (gct) SVDiag PrevI.RPRIPRPILowSector Cnt.M. (gct) SVDiag PrevI.RPRICOwSector Cnt.M. (gct) SVDiag PrevI.Researchiag Cnt.M. (gct) SVDiag PrevI.Researchiag	SVDiag PrevLRPRHighSector Cnt M lgc[1]			
SVDiag PrevLRPRLowSector Cnt, M_lgct 0	·	0		
SVDiag_Prevt_RPRLowSector_Cnt_M_gdt2 0 SVDiag_Prevt_RPRRLowSector_Cnt_M_gdt2 0 SVDiag_Prevt_RPRRPhsAdvComp_Cnt_M_ut6 1111 K_ErroriFinsh_Cnt_ut3 0665 K_ErroriFinsh_Cnt_ut3 06650 K_ErroriFinsh_Cnt_ut3		0		
SVDiag PrevLRPRRILowSector_Cnt_M_gd(2) 0 0 0 0 0 0 0 0 0		0		
SVDiag PrevLRPRPhsAA/Comp_Cnt_M_u16 111 30595		0		
k_ErroFalkKn_Cnt_u12 k_ErroFalkKn_Cnt_u32 k_ErroRanksharTo_Us_f32 6727024794 k_LowResPhsReasMarTo_Us_f32 2 k_LowResPhsReasMarTo_Us_f32 2 k_LowResPhsReasMarTo_Us_f32 2 k_LowResPhsReasMarTo_Us_f32 2 k_LowResPhsReas_Cnt_str.Threshold 216 k_LowResPhsReas_Cnt_str.Threshold 217 k_LowResPhsReas_Cnt_str.Threshold 218 k_LowResPhsReas_Cnt_str.Threshold 218 k_LowResPhsReas_Cnt_str.Threshold 219 k_LowResPhsReas_Cnt_str.Threshold 220 k_LowResPhsReas_Cnt_str.Nstep 760 k_PhsReasEnableThresh_Cnt_u32 54635 k_PhsReasEnableThresh_Cnt_u32 54635 k_PhsReasEnableThresh_Cnt_u32 54035 tgt_DigPhsReasDiag_Perl_ExpectedOnTimeA_Cnt_u32 value 128811 120 LigPhsReasDiag_Perl_ExpectedOnTimeB_Cnt_u32 value 128811 120 LigPhsReasDiag_Perl_ExpectedOnTimeB_Cnt_u32 value 120 LigPhsReasDiag_Perl_ExpectedOnTimeC_nt_u32 value 120 LigPhsReasDiag_Perl_ExpectedOnTimeC_nt_u32 value 120 LigPhsReasDiag_Perl_ExpectedOnTimeC_nt_u32 value 120 LigPhsReasDiag_Perl_ExpectedOnTimeB_Cnt_u32 value 120 LigPhsReasDiag_Perl_ExpectedOnTimeB_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeA_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeA_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeB_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeB_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeA_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeA_Cnt_u32 value 120 LigPhsReasDiag_Perl_MeasuredOnTimeB_Cnt_u32 value 120 LigPhs		111		
K_ERPMITVEIDiagEnable_MitradpS_T_\(32\) 6520		30585		
LowResPhsReasMinTo_Uls_f32		66520		
k_LowResPhsReasMinTol_Uis_132 k_LowResPhsReas_Cnt_str Threshold k_LowResPhsReas_Cnt_str Threshold k_LowResPhsReas_Cnt_str Threshold k_LowResPhsReas_Cnt_str Nstep k_LowResPhsReas_Cnt_str Nstep k_LowResPhsReas_Cnt_str Nstep k_LowResPhsReas_Cnt_str Nstep k_LowResPhsReas_Cnt_str Nstep k_PhsReasErrorTerm_Cnt_u32 k_PhsReasErrorTerm_Cnt_u516 tg_DighsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_LRPRCorrectedMtrPosCaptured_Uis_132_value tg_DighsReasDiag_Pert_LRPRRPRhaseadvanceCaptured_Uis_132_value tg_DighsReasDiag_Pert_LRPRRPRhasedOntimeA_Cnt_u32_value tg_DighsReasDiag_Pert_LRPRRPRhasedOntimeA_Cnt_u32_value tg_DighsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_MeasuredOnTimeA_Cnt_u32_value tg_DighsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32_value tg_DighsReasDiag_Pert_LRPRMOdulationindeCaptured_tex_122_tg_DighsReasDiag_Pert_LRPRMOdulationindeCaptured_tex_132_tg_DighsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32_tg_DighsReasDiag_Pert_MeasuredOnTimeC_Cnt_u32_tg_DighsReasDiag_Dert_MeasuredOnTimeC_Cnt_u32_tg_DighsReasDiag_Pert_	k LRPRMtrVelDiagEnable MtrRadpS T f32	6.727024794		
K_LowResPhsReas_Cnt_str.Threshold k_LowResPhsReas_Cnt_str.Nistep k_LowResPhsReas_Cnt_str.Nistep k_PhsReasEnableThresh_Cnt_u32 k_PhsReasEnableThresh_Cnt_u32 k_PhsReasEnableThresh_Cnt_u32 k_PhsReasEnableThresh_Cnt_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 k_PhsReasEnable_Enct_u32 kube_Enct_u32	k LowResPhsReasMaxTol Uls f32	2		
LowResPhsReas_Cnt_str.Threshold 216		2		
k_LowResPhsReas_Cnt_str.PSitep k_LowResPhsReas_Cnt_str.NSitep 760 k_LowResPhsReas_Cnt_str.NSitep 760 k_PhsReasErrorTerm_Cnt_str.NSitep 760 k_PhsReasErrorTerm_Cnt_str.NSitep 760 tyt.DigPhsReasDiag_Pert_ExpectedOnTimeA_Cnt_u32 value 128811 128811 128811 129254 129254 129254 129254 129254 129254 129254 1292554 12925555 1292555 1292555 1292555 12925555 1292555 1292555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 12925555 129255555 12925555 12925555 12925555 12925555 129255555 129255555 129255555 129255555 129255555 129255555 129255555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 12925555555 1292555555 1292555555 1292555555 1292555555 1292555555 12925555555 1292555555 1292555555 1292555555 12925555555 1292555555 12925555555 12925555555 1292555555 12925555555 1292555555 12925555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 12925555555 1292555555 1292555555 1292555555 1292555555 1292555555 12925555555 12925555555 1292555555 1292555555 12925555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292555555 1292		216		
K_DRReas_Cnt_str.NStep K_PhsReas_Cnt_str.NStep K_PhsRe		845		
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tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value tgt_DigPhsReasDiag_Per1_MercPloiarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_ tgt_DigPh	tgt DigPhsReasDiag Per1 MeasuredOnTimeA Cnt u32.value	0		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value -506.9036557 tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_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_LRPRModulationIndexCc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCc tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPAseadvanceCapt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Dig		169488		
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tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_ tgt_DigPhsReasDiag_Per1_MeasuredOnTi	tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-506.9036557		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_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_LRPRPhaseadvanceCat_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_DigPhsReasDiag_Per1_MeasuredO	tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_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_LRPRModulationIndexCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCtgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPh	tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
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_LRPRModulationIndexC tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCatgtgRte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhs	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1	_ExpectedOnTimeA_Cnt_u32	
tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_GateDriveResetActive_C tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tot_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCat_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Metrileted_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Metrileted_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Metrileted_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_Metrileted_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDi	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	tgt_DigPhsReasDiag_Per1	_ExpectedOnTimeB_Cnt_u32	
tot Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC tot LRPRCorrectedMtrPosC tot LRPRCorrectedMtrPosC tot LRPRCorrectedMtrPosC tot LRPRRodulationIndexC tot LRPRE LRPR				
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexC tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uis_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Uis_f32 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhs	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_0	tgt_DigPhsReasDiag_Per1	GateDriveResetActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCa; tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCa; tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc	tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1	LRPRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCa; tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_LRPRPhaseadvanceCa; tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt tgt_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_ tgt_DigPhsReasDiag_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc			- ·	
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_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_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc				
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_ 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_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_ 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_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	tgt_DigPhsReasDiag_Per1	_MeasuredOnTimeB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc				
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08 tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc	tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_	tgt_DigPhsReasDiag_Per1	_MotorVelMRFUnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt lgc tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc				
Name Actual Value Expected Value Result	tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 PDActivateTest Cnt Igo	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]	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_PrevLRPRAdjModldComp_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_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	100	100	✓





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

Test Step 3.4 (Repeat Count = 1)	
lame	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
VDiag_FilterSV_Cnt_M_s18p13[0]	819200
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400
VDiag_FilterSV_Cnt_M_s18p13[2]	2457600
SVDiag_HighResPhsReasDisable_M_u8	15
VDiag_LRPRAdjModldAComp_Cnt_M_f32	0.2
SVDiag_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
SVDiag_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_PhaseOffset_Rev_M_u0p16[1]	32768
sVDiag_PhaseOffset_Rev_M_u0p16[2]	39322
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.12
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag PrevLRPRHighSector Cnt M Igc[2]	1
	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_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
gt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	95681
gt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	57225
gt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1
gt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741
gt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	-0.540214658
gt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-1072
gt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000
gt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	33061
pt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	26932
pt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	391.1978135
t_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1
pt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeB Cnt	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	7 - 7 - 7 - 7
pt_Rte_inst_Ap_bigPrisReasblag.bigPrisReasblag_Per1_ExpectedOffTimeC_crit_ pt_Rte_Inst_Ap_bigPhsReasblag.bigPhsReasblag_Per1_GateDriveResetActive_0	
	1 2 2
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	1 - 1
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPriskeasDiag_Per1_MeasuredOnTimeA_Cnt_u32
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt	LUBIDID DI DUM IOTI TOLICO

DigPhsReasDiag_Per1





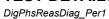
Input Value $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfi$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cr\\ - tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cn\\ - tgt_DigPhsReasDia$ $tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc \\ tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc \\ tgt_DigPhsReasDiag_Per1_PDActivateTest_Diag_Per1_PDActivateTe$ **Expected Value** Result **Actual Value**

Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	464300	464300	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	1638400	1638400	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	2457600	2457600	~
SVDiag_HighResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.540214658	0.540214658	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2000	2000	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	16	16 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.200000003	0.2	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_Igc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	200	200	~

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

Name	Input Value
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag
SVDiag_FilterSV_Cnt_M_s18p13[0]	9101312
SVDiag_FilterSV_Cnt_M_s18p13[1]	18202624
SVDiag_FilterSV_Cnt_M_s18p13[2]	27303936
SVDiag_HighResPhsReasDisable_M_u8	49
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.3
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2900
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	248
SVDiag_LowResPhsReasDisable_M_u8	21
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	3779.679818
SVDiag_PhaseOffset_Rev_M_u0p16[0]	32768
SVDiag_PhaseOffset_Rev_M_u0p16[1]	22938
SVDiag_PhaseOffset_Rev_M_u0p16[2]	52429
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.39
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag PrevLRPRPhsAdvComp Cnt M u16	3219
k ErrorFiltKn Cnt u16	39619
k ErrorThresh Cnt u32	23446
k LRPRMtrVelDiagEnable MtrRadpS T f32	814.0175524

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.902124703		
k_LowResPhsReas_Cnt_str.Threshold	84		
k_LowResPhsReas_Cnt_str.PStep	50		
k_LowResPhsReas_Cnt_str.NStep	254		
k_PhsReasEnableThresh_Cnt_u32	125958		
k_PhsReasErrorTerm_Cnt_s16	2372		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	40358		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	41181		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	196903		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.693134308		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-20		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	172738		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	7551		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	121712		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	290.8379813		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cn	t_tgt_DigPhsReasDiag_Per1_ExpectedOnTir	meA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnrackets and the property of the propert$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTin	meB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnrows and the property of the property o$	t_ tgt_DigPhsReasDiag_Per1_ExpectedOnTir	meC_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_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_DigPhsReasDiag_Per1_GateDriveResetActive_InstAp_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_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveResetActive_InstAp_Diag_Per1_GateDriveReset$	tgt_DigPhsReasDiag_Per1_GateDriveRese	etActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPos	tgt_DigPhsReasDiag_Per1_LRPRCorrecte	dMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndex Control of the Control $	tgt_DigPhsReasDiag_Per1_LRPRModulation	onIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	tgt_DigPhsReasDiag_Per1_LRPRPhasead	vanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasuredOnTimeA_Cross_ReasDiag_Per1_MeasUredOnTimeA_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cr	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasuredOnTimeC_Cross_ReasDiag_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredOnTimeC_Cross_Read_Per1_MeasUredO$	nt tgt_DigPhsReasDiag_Per1_MeasuredOnTi	meC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered and the state of the $	tgt_DigPhsReasDiag_Per1_MotorVeIMRFU	Jnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Color $	tgt_DigPhsReasDiag_Per1_MtrElecMechP	olarity_Cnt_s08	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lg	c tgt_DigPhsReasDiag_Per1_PDActivateTes	t_Cnt_lgc	
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	18	18	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-663708546	-663708546	•
SVDiag FilterSV Cnt M s18p13[1]	18202624	18202624	

Name	Actual Value	Expected 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 Igc[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	~

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





Test Step 3.6 (Repeat Count = 1) Name	Input Value		
	•		
Rte_Inst_Ap_DigPhsReasDiag SVDiag_FilterSV_Cnt_M_s18p13[0]	tgt_Rte_Inst_Ap_DigPhsReasDiag -81920		
SVDiag_FilterSV_Cnt_M_s18p13[1]	-163840		
SVDiag FilterSV Cnt M s18p13[2]	-245760		
SVDiag HighResPhsReasDisable M u8	14		
SVDiag LRPRAdjModldAComp Cnt M f32	0.4		
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3900		
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	280		
SVDiag_LowResPhsReasDisable_M_u8	86		
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	59129.61257		
SVDiag_PhaseOffset_Rev_M_u0p16[0]	45875		
SVDiag_PhaseOffset_Rev_M_u0p16[1]	52429		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	58982		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.49		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4329		
k_ErrorFiltKn_Cnt_u16	41594		
k_ErrorThresh_Cnt_u32	153431		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	281.9371459		
k_LowResPhsReasMaxTol_UIs_f32	2		
k_LowResPhsReasMinTol_Uls_f32	2		
k_LowResPhsReas_Cnt_str.Threshold	631		
k_LowResPhsReas_Cnt_str.PStep	806		
k_LowResPhsReas_Cnt_str.NStep	303 129982		
k_PhsReasEnableThresh_Cnt_u32			
k_PhsReasErrorTerm_Cnt_s16	9333 44112		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	15404		
tgt DigPhsReasDiag Per1 ExpectedOnTimeC Cnt u32.value	193312		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt DigPhsReasDiag Per1 LRPRModulationIndexCaptured Uls f32.value	1		
tgt DigPhsReasDiag Per1 LRPRPhaseadvanceCaptured Cnt s16.value	-1085		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	134783		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	24880		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	91783		
tgt DigPhsReasDiag Per1 MotorVelMRFUnfiltered MtrRadpS f32.value	335.8459432		
tgt DigPhsReasDiag Per1 MtrElecMechPolarity Cnt s08.value	-1		
tgt DigPhsReasDiag Per1 PDActivateTest Cnt Igc.value	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeA Cr		neA Cnt u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cr	·		
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			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRModulationIndex	0 0 0	·	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceC	0 0 0		
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_MotorVelMRFUnfiltere			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_(
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_PDActivateTest_Cnt_k			
Name	Actual Value	Expected Value	Resul
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	rtosui
, ,, ,,			
Rte Call An DigPhsReasDiag NytrDiagMgr SetNTCStatus(Param Cnt T u08)	0	10	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum	0 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

SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

DigPhsReasDiag_Per1

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Actual Value **Expected Value** SVDiag_LRPRAdjModldAComp_Cnt_M_f32 SVDiag_LRPRHighSector_Cnt_M_lgc[0] 0 SVDiag_LRPRHighSector_Cnt_M_lgc[1] 1 1 SVDiag_LRPRHighSector_Cnt_M_lgc[2] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[0] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[1] 0 0 SVDiag_LRPRLowSector_Cnt_M_lgc[2] 0 0 $SVDiag_LRPRPhsAdvComp_Cnt_M_u16$ 5059 5059 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 0 0 SVDiag_LowResPhsReasDisable_M_u8 87 87 ± 1 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 0.400000006 0.4 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0] n 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]

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

3900

1

1

3900

Test Step 3.7 (Repeat Count = 1)	✓
Name	Input Value
Rte Inst Ap DigPhsReasDiag	tgt Rte Inst Ap DigPhsReasDiag
SVDiag FilterSV Cnt M s18p13[0]	8192000
SVDiag_FilterSV_Cnt_M_s18p13[1]	16384000
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000
SVDiag_HighResPhsReasDisable_M_u8	44
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.4
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	101
SVDiag_LowResPhsReasDisable_M_u8	43
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	43605.9814
SVDiag_PhaseOffset_Rev_M_u0p16[0]	7209
SVDiag_PhaseOffset_Rev_M_u0p16[1]	7864
SVDiag_PhaseOffset_Rev_M_u0p16[2]	8520
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.14
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	444
k_ErrorFiltKn_Cnt_u16	3187
k_ErrorThresh_Cnt_u32	88126
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	654.8280845
k_LowResPhsReasMaxTol_Uls_f32	2
k_LowResPhsReasMinTol_Uls_f32	0.823276341
k_LowResPhsReas_Cnt_str.Threshold	677
k_LowResPhsReas_Cnt_str.PStep	248
k_LowResPhsReas_Cnt_str.NStep	802
k_PhsReasEnableThresh_Cnt_u32	75942
k_PhsReasErrorTerm_Cnt_s16	-9420
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	186761
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	108118
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	67436
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.285947561		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-198		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	29839		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	31276		
tgt_DigPhsReasDiag_Per1_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_ExpectedOnTime	eA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_ApD_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_ExpectedOnTimeB_DigPhsReadDiag_Per1_$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_Diag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	eC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Order (Applied From From From From From From From From$	tgt_DigPhsReasDiag_Per1_GateDriveReset	Active_Cnt_lgc	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCorrected$	tgt_DigPhsReasDiag_Per1_LRPRCorrectedI	MtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCaptions and the property of the prope$	tgt_DigPhsReasDiag_Per1_LRPRModulation	nIndexCaptured_Uls_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRPhaseadvanceCap	tgt_DigPhsReasDiag_Per1_LRPRPhaseadva	anceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_MeasuredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTim	neA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_MeasuredOnTim$	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	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_Ap_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_Inst_MotorVelMRFUnfilt$	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrElecMechPol	arity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgct_ReasDiag_Per1_PDActivateTest_ReasDiag_Per1_PDActi$	tgt_DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	0	0	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	7793625	7793625	✓
SVDiag_FilterSV_Cnt_M_s18p13[1]	15587250	15587250	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	24576000	24576000	✓
SVDiag_HighResPhsReasDisable_M_u8	45	45 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.285947561	0.285947561	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0 🗸	✓
SVDiag_LRPRLowSector_Cnt_M_lgc[□			

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		(
Name	Input Value	
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	3072	
SVDiag LowPhReasErrorAcc Cnt M u16	1000	
SVDiag LowResPhsReasDisable M u8	100	
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	72000	
SVDiag_PhaseOffset_Rev_M_u0p16[0]	65535	
SVDiag PhaseOffset Rev M u0p16[1]	65535	
SVDiag_PhaseOffset_Rev_M_u0p16[2]	65535	
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag PrevLRPRHighSector Cnt M Iqc[2]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1	
SVDiag PrevLRPRPhsAdvComp Cnt M u16	6144	
k_ErrorFiltKn_Cnt_u16	65535	
k_ErrorThresh_Cnt_u32	200000	
k LRPRMtrVelDiagEnable MtrRadpS T f32	1000	
	2	
k_LowResPhsReasMaxTol_Uls_f32 k_LowResPhsReasMinTol_Uls_f32	2	
k LowResPhsReas Cnt str.Threshold	1000	
k LowResPhsReas Cnt str.PStep		
	1000	
k_LowResPhsReas_Cnt_str.NStep	1000	
k_PhsReasEnableThresh_Cnt_u32 k_PhsReasErrorTerm_Cnt_s16	200000	
	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	1	
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0.999984741	
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	1	
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	1536	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	200000	
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	900	
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1 Let BirDh-Dan-Dine Bord FormattedOnTime A Ont 1900	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTimeC Cnt	1 - 1 - 1	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPos(
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCa	1 - 1 - 1 - 1 - 1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cn	1	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cn	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_Cn		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUnfiltered	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity C	1 2 2 2	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igr		
Name	Actual Value Expected Value	Result

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	64	64	~
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~
SVDiag_FilterSV_Cnt_M_s18p13[0]	32767	32767	~
SVDiag_FilterSV_Cnt_M_s18p13[1]	32767	32767	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	32767	32767	~
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1536	1536	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	1000	1000	•
SVDiag_LowResPhsReasDisable_M_u8	100	100 ± 1	~
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

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

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

Test Step 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



DigPhsReasDiag_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPd	osC tgt_DigPhsReasDiag_Per1_LRPRCorrect	edMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationInderstand (Continuous) and the properties of the pro$	xC tgt_DigPhsReasDiag_Per1_LRPRModula	tionIndexCaptured_Uls_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvance	Car tgt_DigPhsReasDiag_Per1_LRPRPhasea	advanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Option{A}{\cite{A}}\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}{\cite{A}}\cite{A}{\cite{A}}\cite{A}}\cite{A}}\cite{A}}\cite{A}}\cite{A}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_OutlinesDiag_Per1_MeasureDiag_Per1_Meas$	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeC_error and an approximate the property of $	Cnt tgt_DigPhsReasDiag_Per1_MeasuredOn	TimeC_Cnt_u32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfilter	ed tgt_DigPhsReasDiag_Per1_MotorVelMRf	Unfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_ReadDiag_Per1_MtrElecMechPolarity_R$	_Cr tgt_DigPhsReasDiag_Per1_MtrElecMech	Polarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivateTest_Cnt_PDActivAtest_Cnt_P$	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)	106	106	✓
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enurrent)$	n) 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	~

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

SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16

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Name	Input Value		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	0		
k_ErrorFiltKn_Cnt_u16	0		
k_ErrorThresh_Cnt_u32	0		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	0		
k_LowResPhsReasMaxTol_Uls_f32	0		
k_LowResPhsReasMinTol_UIs_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_ExpectedOnTimeD_oni_us2.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		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiagDiagDiagDiagDiagDiagDiagDiagDiagDiag$	tgt_DigPhsReasDiag_Per1_ExpectedOnTime	A_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	*- *- ·		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_(
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC		. – –	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCar			
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)	106	106	•
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-2147418112	-2147418112	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	-2147418112	-2147418112	•
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2147418112	-2147418112	•
SVDiag_HighResPhsReasDisable_M_u8	100	100 ± 1	•
SVDiag_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[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	•
SVDiag_LRPRHighSector_Cnt_M_lgc[1] SVDiag_LRPRHighSector_Cnt_M_lgc[2] SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0 0 0	0 0 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 0 0 1	0 0 0 1	•
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]	0 0 0 1 0	0 0 0 1	
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_LRPRPhsAdvComp_Cnt_M_u16	0 0 0 1 0 1536	0 0 0 1 0 1536	
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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0 0 1 0 1536	0 0 0 1 0 1536	
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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8	0 0 1 0 1536 0	0 0 0 1 0 1536 0 1±1	
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_LRPRPhsAdvComp_Cnt_M_u16 SVDiag_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowResPhsReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0 0 0 1 0 1536 0 1	0 0 0 1 0 1536 0 1±1	
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_LowPhReasErrorAcc_Cnt_M_u16 SVDiag_LowPhReasDisable_M_u8 SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32 SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0 0 0 1 0 1536 0 1	0 0 0 1 0 1536 0 1±1 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_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]	0 0 0 1 0 1536 0 1 0	0 0 0 1 0 1536 0 1±1 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_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[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0 0 0 1 0 1536 0 1 0 0	0 0 0 1 0 1536 0 1±1 0 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_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[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2] SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0 0 0 1 0 1536 0 1 0	0 0 0 1 0 1536 0 1±1 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_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[1] SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0 0 0 1 0 1536 0 1 0 0 0	0 0 0 1 0 1536 0 1±1 0 0	



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

ame	Input Value
te_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
	0
	0
	0
0	600
0_	148
<u> </u>	7
	52723.80765
6	13763
	14418
0	15073
, , , , , , ,	0.16
3	0
0_ 0 = = = 017	0
0_ 0 = 0 0 0	0
= = = = = : :	0
= = = = :	0
= = = = = = = = = = = = = = = = = = = =	0
VDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	666
	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
t_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	132815
	199985
	82632
	1
	0.999984741
	-0.785672545
	1095
	194888
It_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_us2.value	151708
	185464
tt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-93.66532731 1
0	1
0	1 Art Die Die Dese Diese Deset Ferrents d'On Tirre A. Ont 1900
	tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_	
t Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 GateDriveResetActive (0 0 0
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPosC	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexC	tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32
	tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaj	
t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCap t_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt	tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32



Name	Input Value		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVeIMRFUnfiltered_	tgt_DigPhsReasDiag_Per1_MotorVelMRFUn	filtered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	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]	33500000	33500000	•
SVDiag_FilterSV_Cnt_M_s18p13[1]	67000000	67000000	~
SVDiag_FilterSV_Cnt_M_s18p13[2]	100500000	100500000	~
SVDiag_HighResPhsReasDisable_M_u8	87	87 ± 1	~
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.785672545	0.785672545	✓
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	4167	4167	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	0	0	~
SVDiag_LowResPhsReasDisable_M_u8	8	8 ± 1	-
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.600000024	0.6	✓
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	600	600	~

T				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 3.12 (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_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	1400
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	718
SVDiag_LowResPhsReasDisable_M_u8	38
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	68632.40339
SVDiag_PhaseOffset_Rev_M_u0p16[0]	6554
SVDiag_PhaseOffset_Rev_M_u0p16[1]	13107
SVDiag_PhaseOffset_Rev_M_u0p16[2]	19661
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.24
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	1554
k_ErrorFiltKn_Cnt_u16	7290
k_ErrorThresh_Cnt_u32	141432
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	718.4851848

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Name	Input Value		
k_LowResPhsReasMaxTol_Uls_f32	2		
k_LowResPhsReasMinTol_Uls_f32	0.138592422		
k_LowResPhsReas_Cnt_str.Threshold	91		
k_LowResPhsReas_Cnt_str.PStep	222		
k_LowResPhsReas_Cnt_str.NStep	973		
k_PhsReasEnableThresh_Cnt_u32	48985		
k_PhsReasErrorTerm_Cnt_s16	3097		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	65310		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	200000		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	193562		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.793977022		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.153545499		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	520		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	164452		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	150060		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	32449		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-570.0968587		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_Cnt_DigPhsReadDiag_Per1_ExpectedOnTimeA_C$	tgt_DigPhsReasDiag_Per1_Exped	ctedOnTimeA_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_Exped	ctedOnTimeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReasDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_DigPhsReadDiag_Per1_ExpectedOnTimeC_DigPhsReadDiag_Per1_Expecte$	tgt_DigPhsReasDiag_Per1_Exped	ctedOnTimeC_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive_Other and the property of the proper$	tgt_DigPhsReasDiag_Per1_GateD	DriveResetActive_Cnt_lgc	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 LRPRCorrectedMtrPosC	tgt_DigPhsReasDiag_Per1_LRPR	RCorrectedMtrPosCaptured_Rev_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulationIndexCompact and the property of the proper$	tgt_DigPhsReasDiag_Per1_LRPR	RModulationIndexCaptured_Uls_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptions and the property of the property$	eCai tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntails (Applied From From From From From From From From$	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32		
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_Cntrack the property of t$	_Cnt tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_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_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_Motor	rVeIMRFUnfiltered_MtrRadpS_f32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPolarity_Cross_ReasDiag_Per1_Per1_Per1_Per1_Per1_Per1_Per1_Per1$	tgt_DigPhsReasDiag_Per1_MtrEle	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

tgno_no_nttp_big. no reaching big. no reaching_ren british to telephone	191_5.9	_0.190	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	~
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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	✓

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



Test Step 3.13 (Repeat Count = 1) Name	Input Value		
Rte Inst Ap DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasD	viag	
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_lgc[0]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	1		
SVDiag PrevLRPRLowSector Cnt M Igc[2]	1		
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4773		
k_ErrorFiltKn_Cnt_u16	25034		
k ErrorThresh Cnt u32	53633		
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	345.946146		
k LowResPhsReasMaxTol Uls f32	1.9973858		
k LowResPhsReasMinTol Uls f32	2		
k LowResPhsReas Cnt str.Threshold	911		
k_LowResPhsReas_Cnt_str.PStep	366		
k_LowResPhsReas_Cnt_str.NStep	439		
k PhsReasEnableThresh Cnt u32	87021		
k PhsReasErrorTerm Cnt s16	4774		
tgt DigPhsReasDiag Per1 ExpectedOnTimeA Cnt u32.value	195079		
tgt DigPhsReasDiag Per1 ExpectedOnTimeB Cnt u32.value	149367		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	99615		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value			
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_weasuredOnTimeA_Cnt_u32.value	133658		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	43266		
tgt_DigPhsReasDiag_Per1_MeasuredOn1imeC_Cht_usz.value tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	-144.6736574		
tgt_DigPhsReasDiag_Peri_MotorVeliNRFUnflitered_MtrRadpS_f32.value	1		
tgt_DigPhsReasDiag_Per1_MtrElectivechPolarity_Cnt_su8.value tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	1		
0_ 0_ 0		postedOnTimeA Cat ::22	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 ExpectedOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetA			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedN	0_ 0	PRCorrectedMtrPosCaptured_Rev_f32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRModulation	0_ 0	PRModulationIndexCaptured_Uls_f32	
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRPhaseadva			
gt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTim			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTime			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MotorVelMRFUn			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MtrElecMechPola			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_	Cnt_lgc tgt_DigPhsReasDiag_Per1_PD	ActivateTest_Cnt_lgc	
Name	Actual Value	Expected Value	Resu
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_er	num) 82	82	
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_	_u08) 0	0	
$Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_response) \\$	enum) 0	0	•
SVDiag_FilterSV_Cnt_M_s18p13[0]	191520	191520	
0.40.	-67058556	-67058556	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-01030330	-07030330	

9486664

100

9486664

100 ± 1

SVDiag_FilterSV_Cnt_M_s18p13[2]

SVDiag_HighResPhsReasDisable_M_u8

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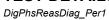


Name	Actual Value	Expected Value	Result
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	0	0	~
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	~
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	5601	5601	~
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	86	86	~
SVDiag_LowResPhsReasDisable_M_u8	96	96 ± 1	~
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.439999998	0.44	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	4300	4300	~

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

Test Step 3.14 (Repeat Count = 1)	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	89
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.83
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	2343
SVDiag_LowPhReasErrorAcc_Cnt_M_u16	843
SVDiag_LowResPhsReasDisable_M_u8	60
SVDiag_MaxNrCommOffVltg_Cnt_M_f32	24269.17881
SVDiag_PhaseOffset_Rev_M_u0p16[0]	39322
SVDiag_PhaseOffset_Rev_M_u0p16[1]	39977
SVDiag_PhaseOffset_Rev_M_u0p16[2]	40632
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16	3000
k_ErrorFiltKn_Cnt_u16	21474
k_ErrorThresh_Cnt_u32	87498
k_LRPRMtrVelDiagEnable_MtrRadpS_T_f32	637.4866108
k_LowResPhsReasMaxTol_Uls_f32	0
k_LowResPhsReasMinTol_Uls_f32	1.684043169
k_LowResPhsReas_Cnt_str.Threshold	314
k_LowResPhsReas_Cnt_str.PStep	817
k_LowResPhsReas_Cnt_str.NStep	832
k_PhsReasEnableThresh_Cnt_u32	137672
k_PhsReasErrorTerm_Cnt_s16	4047
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	108620
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	90403
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	185115
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	1

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Name	Input Value		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	0.1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	120823		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	47235		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	18318		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	421.8568658		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgc.value	0		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_C	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTir	meA_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeB_C	nt_ tgt_DigPhsReasDiag_Per1_ExpectedOnTir	meB_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeC_C	nt_tgt_DigPhsReasDiag_Per1_ExpectedOnTir	meC_Cnt_u32	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_GateDriveResetActive	_(tgt_DigPhsReasDiag_Per1_GateDriveRese	etActive_Cnt_lgc	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_LRPRCorrectedMtrPd	sC tgt_DigPhsReasDiag_Per1_LRPRCorrected	dMtrPosCaptured_Rev_f32	
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	1	·	
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_0	1		
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MeasuredOnTimeC (
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MotorVelMRFUnfiltere			
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity			
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_		, - -	
Name	Actual Value	Expected Value	Result
Rte_Call_Ap_DigPhsReasDiag_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	82	82	
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Param Cnt T u08)	0	0	_
Rte Call Ap DigPhsReasDiag NxtrDiagMgr SetNTCStatus(Status Cnt T enun		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_G0	0.100000001	0.1	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	1	j
SVDiag_LRPRHighSector_Cnt_M_gc[t]	0	0	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	1	
	0	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	1	1	j
SVDiag_LRPRLowSector_Cnt_M_lgc[1] SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0	0	
	0	0	j
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	11	11	
SVDiag_LowPeaPhaReasPiachle, M_u16			J
SVDiag_LowResPhsReasDisable_M_u8	61 0.829999983	61 ± 1 0.83	- 4
SVDiag_PrevLRPRAdjModIdComp_Cnt_M_f32	0.82999983	1 1 1	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	Y
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	~
SVDiag PrevLRPRPhsAdvComp Cnt M u16	2343	2343	✓

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

Test Step 3.15 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_DigPhsReasDiag	tgt_Rte_Inst_Ap_DigPhsReasDiag	
SVDiag_FilterSV_Cnt_M_s18p13[0]	-819200	
SVDiag_FilterSV_Cnt_M_s18p13[1]	-1638400	
SVDiag_FilterSV_Cnt_M_s18p13[2]	-2457600	
SVDiag_HighResPhsReasDisable_M_u8	24	
SVDiag_LRPRAdjModldAComp_Cnt_M_f32	0.9	
SVDiag_LRPRHighSector_Cnt_M_lgc[0]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[1]	1	
SVDiag_LRPRHighSector_Cnt_M_lgc[2]	1	
SVDiag_LRPRLowSector_Cnt_M_lgc[0]	0	
SVDiag_LRPRLowSector_Cnt_M_lgc[1]	0	

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		•	
Name	Input Value		
SVDiag_LRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_LRPRPhsAdvComp_Cnt_M_u16	900		
SVDiag LowPhReasErrorAcc Cnt M u16	612		
SVDiag LowResPhsReasDisable M u8	99		
SVDiag MaxNrCommOffVltg Cnt M f32	52705.47826		
SVDiag PhaseOffset Rev M u0p16[0]	16384		
SVDiag PhaseOffset Rev M u0p16[1]	19661		
SVDiag_PhaseOffset_Rev_M_u0p16[2]	22938		
SVDiag_PrevLRPRAdjModldComp_Cnt_M_f32	0.19		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1		
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1		
SVDiag PrevLRPRHighSector Cnt M lgc[2]	1		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0		
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0		
SVDiag_PrevERPRPhsAdvComp_Cnt_M_gc[2]	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		
	739		
k_LowResPhsReas_Cnt_str.Threshold			
k_LowResPhsReas_Cnt_str.PStep	702		
k_LowResPhsReas_Cnt_str.NStep	305		
k_PhsReasEnableThresh_Cnt_u32	174513		
k_PhsReasErrorTerm_Cnt_s16	-1137		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt_u32.value	103120		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_u32.value	16517		
tgt_DigPhsReasDiag_Per1_ExpectedOnTimeC_Cnt_u32.value	121991		
tgt_DigPhsReasDiag_Per1_GateDriveResetActive_Cnt_lgc.value	0		
tgt_DigPhsReasDiag_Per1_LRPRCorrectedMtrPosCaptured_Rev_f32.value	0.999984741		
tgt_DigPhsReasDiag_Per1_LRPRModulationIndexCaptured_Uls_f32.value	1		
tgt_DigPhsReasDiag_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	-799		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cnt_u32.value	77869		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeB_Cnt_u32.value	2330		
tgt_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnt_u32.value	148915		
tgt_DigPhsReasDiag_Per1_MotorVelMRFUnfiltered_MtrRadpS_f32.value	833.9243744		
tgt_DigPhsReasDiag_Per1_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_DigPhsReasDiag_Per1_PDActivateTest_Cnt_Igc.value	1		
tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_ExpectedOnTimeA_Cnt			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_Inst_Ap_DigPhsReasDiag_Per1_ExpectedOnTimeB_Cnt_InstAp_DigPhsReasDiag_Per1_ExpectedOnTimeB_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_DigPhsPap_Di$			
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			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulationIndexColline Ap_DigPhsReasDiag_Per1_LRPRModulation Ap_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReasDiag_Per1_LRPRModulation ApD_DigPhsReadDiag_Per1_LRPRModulation ApD_DigPhsReadDiag_Per1_$			
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_LRPRPhase advance Called For the control of the control of$	tgt_DigPhsReasDiag_Per1_LRPRPhasead	vanceCaptured_Cnt_s16	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeA_Cntorellines = 0.0000000000000000000000000000000000$	tgt_DigPhsReasDiag_Per1_MeasuredOnTi	imeA_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_MeasuredOnTimeB_CntoredOnTim$	tgt_DigPhsReasDiag_Per1_MeasuredOnTi	imeB_Cnt_u32	
$tgt_Rte_Inst_Ap_DigPhsReasDiag_Per1_MeasuredOnTimeC_Cnrows and the property of the property $	tgt_DigPhsReasDiag_Per1_MeasuredOnTi	imeC_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_MotorVelMRFU	Jnfiltered_MtrRadpS_f32	
tgt Rte Inst Ap DigPhsReasDiag.DigPhsReasDiag Per1 MtrElecMechPolarity Cr	tgt_DigPhsReasDiag_Per1_MtrElecMechP	olarity_Cnt_s08	
$tgt_Rte_Inst_Ap_DigPhsReasDiag.DigPhsReasDiag_Per1_PDActivateTest_Cnt_lgeneration and the property of the pr$	tgt_DigPhsReasDiag_Per1_PDActivateTes	st_Cnt_lgc	
Name	Actual Value	Expected Value	Resul
		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]	-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	0.899999976	0.9	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[0]	1	1	~
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[1]	1	1	~

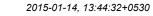
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Name	Actual Value	Expected Value	Result
SVDiag_PrevLRPRHighSector_Cnt_M_lgc[2]	1	1	~
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[0]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[1]	0	0	✓
SVDiag_PrevLRPRLowSector_Cnt_M_lgc[2]	0	0	✓
SVDiag_PrevLRPRPhsAdvComp_Cnt_M_u16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

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

DigPhsReasDiag_Trans1





Project CBD_SVDiag Module DigPhsReasDiag **Test Object** DigPhsReasDiag_Trans1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_SVDiag
Configuration File	D:\Synergy_Work_Area\CBD_SVDiag\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\SVDiag\src\Ap_DigPhsReasDiag.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl</pre>
Target Install Path	\$(ProgramFiles)\pls
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

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DigPhsReasDiag_Trans1

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



DigPhsReasDiag_Trans1

Test Case 1: Boundary Test

Specification

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

Vector Description Description

Only Output variables present

Test Step 1.1 (Repeat Count = 1)				
Name	Actual Value	Expected Value	Result	
SVDiag_HighResPhsReasDisable_M_u8	0	0 ± 1	~	
SVDiag_LowResPhsReasDisable_M_u8	0	0 ± 1	•	