Summary

Total Test Objects:	2
Successful:	1
Failed:	1
Not Executed:	0
Date:	2016-09-30
Time:	17:25:38+0530

Overall Test Object Results (including Coverage)

- OK
- Not Executed
- Not OK
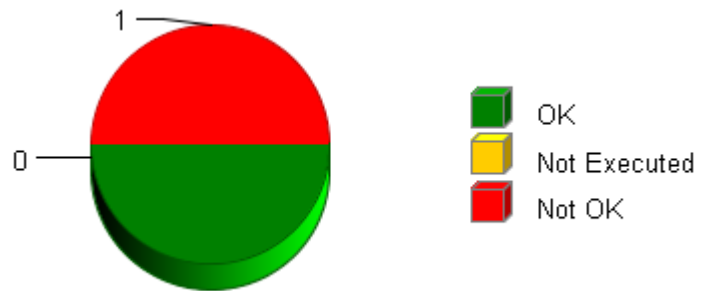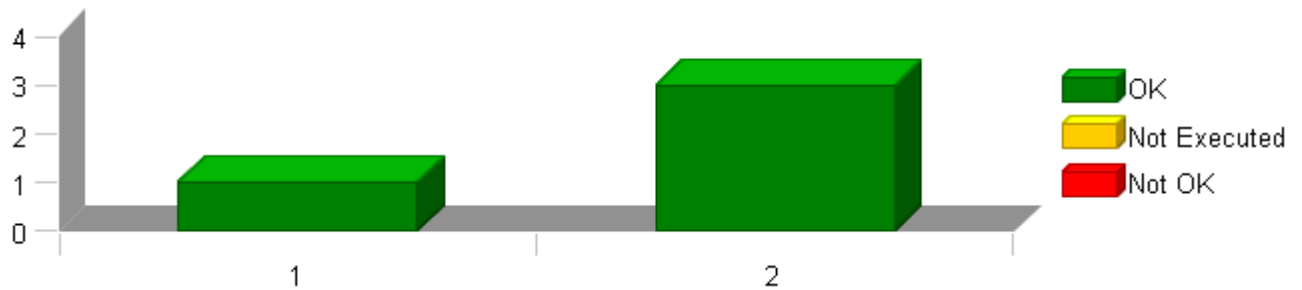
Selected Project Items

Test Object "CBD_UnitTest/TqRsDg/TqRsDg_Init1"
Test Object "CBD_UnitTest/TqRsDg/TqRsDg_Per1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

- OK
- Not Executed
- Not OK

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

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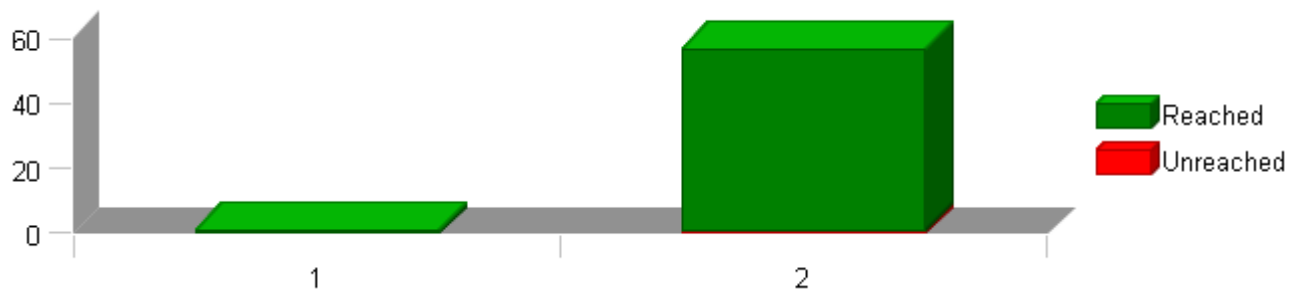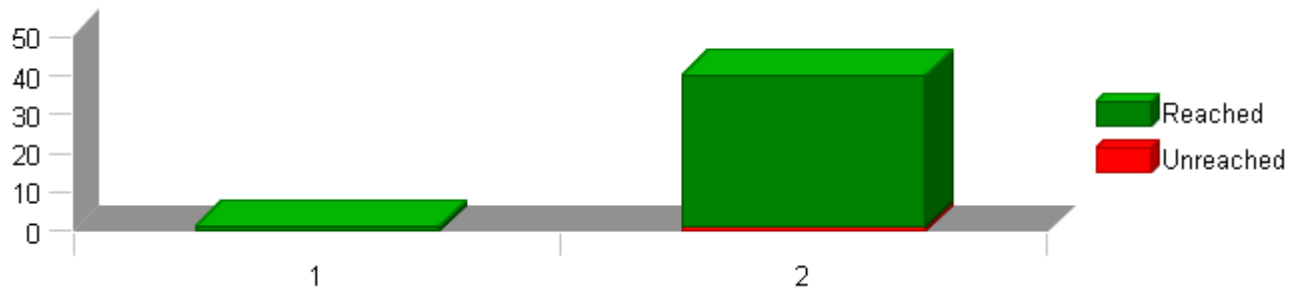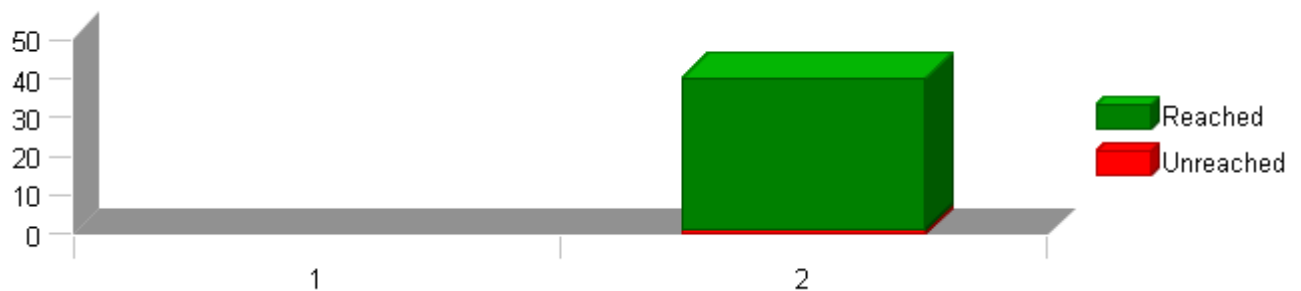

- Reached
- Unreached

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

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

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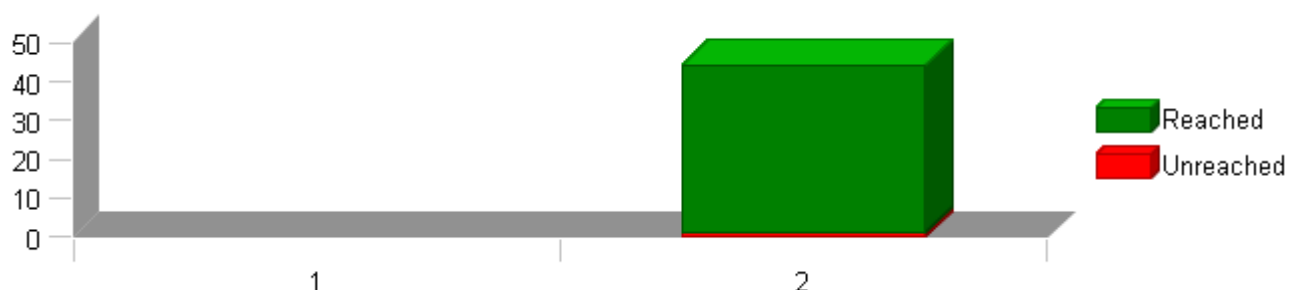
Decision Coverage: Total Decision Outcomes for Each Test Object

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

Each bar is divided into reached and unreached decision outcomes.

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

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

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.
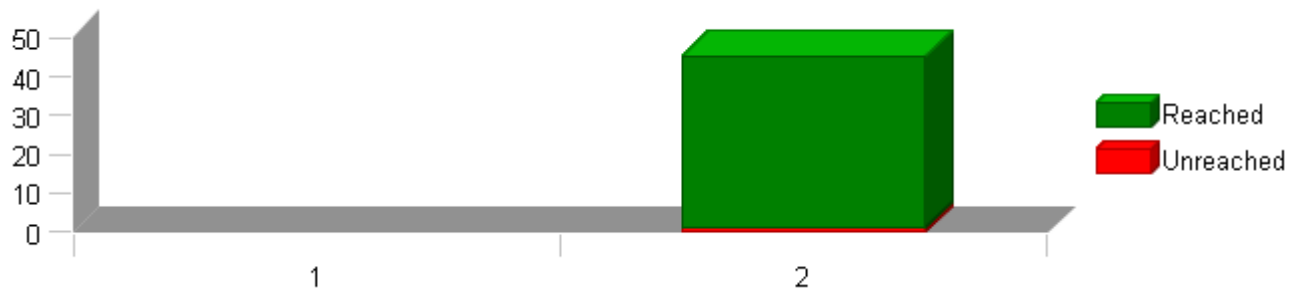
MCC Coverage: Total Condition Combinations for Each Test Object

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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	TqRsDg_SF31	98.27 %	97.56 %	97.5 %	97.72 %	97.77 %	4 of 4 passed	☒
	CBD_UnitTest	98.27 %	97.56 %	97.5 %	97.72 %	97.77 %	4 of 4 passed	☒
	TqRsDg	98.27 %	97.56 %	97.5 %	97.72 %	97.77 %	4 of 4 passed	☒
1	TqRsDg_Init1	100 %	100 %	-	-	-	1 of 1 passed	✔
2	TqRsDg_Per1	98.24 %	97.5 %	97.5 %	97.72 %	97.77 %	3 of 3 passed	☒

Project	TqRsDg_SF31
Module	TqRsDg
Test Object	TqRsDg_Init1

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\TqRsDg_SF
Configuration File	D:\Synergy_Work_Area\TqRsDg_SF\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	$(PROJECTROOT)\TqRsDg\src\Ap_TqRsDg.c
Compiler Options	-D_DATA_ACCESS= -D_Static= -Dconst= -I$(PROJECTROOT)\TqRsDg\utp\contract\Ap_TqRsDg -I$(PROJECTROOT)\TqRsDg\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'TqRsDg'	***************************Unit Test Information*************************** Name of Tester:Deepa Agrawal Code File(s) Under Test:Ap_TqRsDg.c Code File(s) Version:8 Module Design Document:TorqueReasonableDiagnostics.MDD Module Design Document Version:9 Data Dictionary Version:9 Unit Test Plan Version:5 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 1.32 Total FLASH Used (Bytes):1066 Total RAM Used (Bytes):40 Total CALS Used (Bytes):76 Special Test Requirements:NA Test Date:9/30/2016 Comments: "Note1:Inline function defined in globalmacro.h is not unit tested. Note2: CBD_Sandbox_dbg.map is embedded in UTP for reference. Note 3:In Function "TqRsDg_Per1", 100% Path coverage can not be achieved due to Limit_m function at src line 823 To make condition "(MtrCurrIdptSig_Cnt_T_u08 >= D_TWO_CNT_U08)==> True" value of variable "MtrCurrIdptSig_Cnt_T_u08" should be >=2." ***

Attributes	
Name	**Value**
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

Attributes	
Name	**Value**
Workspace File	D:\Synergy_Work_Area\TqRsDg_SF31_006\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Range Test ✔

Specification	"Performance Metrics (With ""None"" Instrumentation and ""WithPS"" Environment) CPU Cycles: TS 1.1 1940.00 Cycles TS 1.2 1935.00 Cycles TS 1.3 1935.00 Cycles TS 1.4 1935.00 Cycles TS 1.5 1935.00 Cycles TS 1.6 1935.00 Cycles TS 1.7 1935.00 Cycles TS 1.8 1935.00 Cycles TS 1.9 1935.00 Cycles TS 1.10 1935.00 Cycles
Description	Vector Description: TS1.1 All Min TS1.2 All Max TS1.3 k_CurrDiagPrimLPFKn_Hz_f32 = min TS1.4 k_CurrDiagPrimLPFKn_Hz_f32 = max TS1.5 k_CurrDiagPrimLPFKn_Hz_f32=Default TS1.6 k_CurrDiagPrimLPFKn_Hz_f32 = mid TS1.7 k_CurrDiagSecLPFKn_Hz_f32 = min TS1.8 k_CurrDiagSecLPFKn_Hz_f32 = max TS1.9 k_CurrDiagSecLPFKn_Hz_f32=Default TS1.10 k_CurrDiagSecLPFKn_Hz_f32 = mid

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	0
k_CurrDiagSecLPFKn_Hz_f32	0

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	250
k_CurrDiagSecLPFKn_Hz_f32	250

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	0
k_CurrDiagSecLPFKn_Hz_f32	124.5

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.790810168	0.790810168 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.790810168	0.790810168 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.4 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	250
k_CurrDiagSecLPFKn_Hz_f32	97.4000015

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.705937982	0.705937982 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.705937982	0.705937982 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.5 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	1
k_CurrDiagSecLPFKn_Hz_f32	98.4000015

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0124877691	0.012487743 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.709610105	0.709610105 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0124877691	0.012487743 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.709610105	0.709610105 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.6 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	100.199997
k_CurrDiagSecLPFKn_Hz_f32	75.0999985

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.716104865	0.716104865 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.610828221	0.610828221 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.716104865	0.716104865 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.610828221	0.610828221 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.7 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	123.599998
k_CurrDiagSecLPFKn_Hz_f32	0

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.78843087	0.78843087 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.78843087	0.78843087 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0	0 ± 0.000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	98.6999969
k_CurrDiagSecLPFKn_Hz_f32	250

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.710702837	0.710702837 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.710702837	0.710702837 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.9 (Repeat Count = 1) ✔

Name	Input Value
k_CurrDiagPrimLPFKn_Hz_f32	99.6999969
k_CurrDiagSecLPFKn_Hz_f32	1

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.714315534	0.714315474 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0124877691	0.012487743 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.714315534	0.714315474 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0124877691	0.012487743 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 1.10 (Repeat Count = 1) ✔

Name	Input Value		
k_CurrDiagPrimLPFKn_Hz_f32	75.0999985		
k_CurrDiagSecLPFKn_Hz_f32	100.199997		

Name	Actual Value	Expected Value	Result
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.610828221	0.610828221 ± 0.00000009	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.716104865	0.716104865 ± 0.00000009	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.610828221	0.610828221 ± 0.00000009	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0	0	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.716104865	0.716104865 ± 0.00000009	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Project	TqRsDg_SF31
Module	TqRsDg
Test Object	TqRsDg_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	98.24 %
Decision Coverage	97.5 %
Branch (C1) Coverage	97.5 %
MCC Coverage	97.77 %
MC/DC Coverage	97.72 %

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\TqRsDg_SF
Configuration File	D:\Synergy_Work_Area\TqRsDg_SF\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	$(PROJECTROOT)\TqRsDg\src\Ap_TqRsDg.c
Compiler Options	-D_DATA_ACCESS= -D_Static= -Dconst= -I$(PROJECTROOT)\TqRsDg\utp\contract\Ap_TqRsDg -I$(PROJECTROOT)\TqRsDg\utp\contract -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(Compiler Install Path)\include

Comments/Description/Specification	
Name	**Text**
Module 'TqRsDg'	***************************Unit Test Information**************************** Name of Tester:Deepa Agrawal Code File(s) Under Test:Ap_TqRsDg.c Code File(s) Version:8 Module Design Document:TorqueReasonableDiagnostics.MDD Module Design Document Version:9 Data Dictionary Version:9 Unit Test Plan Version:5 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 1.32 Total FLASH Used (Bytes):1066 Total RAM Used (Bytes):40 Total CALS Used (Bytes):76 Special Test Requirements:NA Test Date:9/30/2016 Comments: "Note1:Inline function defined in globalmacro.h is not unit tested. Note2: CBD_Sandbox_dbg.map is embedded in UTP for reference. Note 3:In Function "TqRsDg_Per1", 100% Path coverage can not be achieved due to Limit_m function at src line 823 To make condition "(MtrCurrIdptSig_Cnt_T_u08 >= D_TWO_CNT_U08)==> True" value of variable "MtrCurrIdptSig_Cnt_T_u08" should be >=2." **

Attributes	
Name	**Value**
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false

Attributes	
Name	**Value**
Timer Prescale	0
Timer Resolution	1
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\TqRsDg_SF31_006\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

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

CPU Cycles:
TS1.1 2105.00 Cycles
TS1.2 2009.00 Cycles
```

Description

Vector Description:
TS1.1"Shortest path:
 DervLambdaAlphaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaAlphaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>True
 DervLambdaBetaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaBetaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>True
 ((Min_m(TrqLimitMinRatio_Uls_T_f32,OutputRampMult_Uls_T_f32)) < k_CurrDiagSecTrqLmtThresh_Uls_f32)==>False
 (((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) > k_CurrDiagPrimErrorThresh_Volt_f32) ||
((AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)> k_CurrDiagPrimErrorThresh_Volt_f32))==>False
 TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,
k_CurrDiagPrim_Cnt_Str)==>False
 ((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32) ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32) &&(TrqLmtFlag_Cnt_T_lgc ==TRUE)==>False
 TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str)==>True
 (CurrReasFltActive_Cnt_T_u8 > D_ZERO_CNT_U8)==>False"
TS1.2"Longest Path:
 DervLambdaAlphaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaAlphaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>False
 DervLambdaBetaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaBetaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>False
 ((Min_m(TrqLimitMinRatio_Uls_T_f32,OutputRampMult_Uls_T_f32)) < k_CurrDiagSecTrqLmtThresh_Uls_f32)==>True
 (((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) > k_CurrDiagPrimErrorThresh_Volt_f32) ||
((AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)> k_CurrDiagPrimErrorThresh_Volt_f32))==>False
 TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16, k_CurrDiagPrim_Cnt_Str)==>True
 ((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32) ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32)) &&(TrqLmtFlag_Cnt_T_lgc ==TRUE))==>True
 TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 = DiagPStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str)==>True
 (CurrReasFltActive_Cnt_T_u8 > D_ZERO_CNT_U8)==>False"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.1328001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.198400006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.57919979
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.192000002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.4527998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.184
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.91520023
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.175999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	36
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	34
k_CurrDiagLambdaMinMax_Volt_f32	8.35309982
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.03890002
k_CurrDiagPrimErrorThresh_Volt_f32	126.699097
k_CurrDiagPrim_Cnt_Str.Threshold	1
k_CurrDiagPrim_Cnt_Str.PStep	13
k_CurrDiagPrim_Cnt_Str.NStep	194
k_CurrDiagSecErrorThresh_Volt_f32	92.706398
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	25
k_CurrDiagSec_Cnt_Str.PStep	245
k_CurrDiagSec_Cnt_Str.NStep	1
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-5.60570002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-44.8685989
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	195.035797
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	12.1499996
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.9200001

Name	Input Value		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.97370005		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	0	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.5813074	10.5813074 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.34378815	9.3437891 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.8824549	10.8824549 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.64027023	9.64027023 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	33	33	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 1.2 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg		
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-0.587400019		
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.545599997		
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.536800027		
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.527999997		
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31		
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.505999982		
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.8971004		
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.483999997		
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	72		
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	70		
k_CurrDiagLambdaMinMax_Volt_f32	12.1154003		
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019		
k_CurrDiagPrimErrorThresh_Volt_f32	8.53390026		
k_CurrDiagPrim_Cnt_Str.Threshold	125		
k_CurrDiagPrim_Cnt_Str.PStep	147		
k_CurrDiagPrim_Cnt_Str.NStep	119		
k_CurrDiagSecErrorThresh_Volt_f32	135.560196		
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.845499992		
k_CurrDiagSec_Cnt_Str.Threshold	96		
k_CurrDiagSec_Cnt_Str.PStep	17		
k_CurrDiagSec_Cnt_Str.NStep	135		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32		
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0216000006		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.102899998		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.0318999998		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	131.775101		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	164.5672		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.99000001		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	2.54999995		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.22289991		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.89281178	-5.89281225 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.69778633	-5.69778681 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.84050751	-9.8405056 ± 0.0625	✔

Name	Actual Value	Expected Value	Result
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.4384193	13.4384193 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	125	125	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Case 2: Range Test ✔

Test Case 2: Range Test

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

CPU Cycles:
TS1.1 2105.00 Cycles
TS1.2 2009.00 Cycles
TS1.3 2008.00 Cycles
TS1.4 1971.00 Cycles
TS1.5 1944.00 Cycles
TS1.6 1941.00 Cycles
TS1.7 1947.00 Cycles
TS1.8 1944.00 Cycles
TS1.9 1934.00 Cycles
TS1.10 1500.00 Cycles
TS1.11 1521.00 Cycles
TS1.12 1530.00 Cycles
TS1.13 1923.00 Cycles
TS1.14 1944.00 Cycles
TS1.15 1548.00 Cycles
TS1.16 1521.00 Cycles
TS1.17 1524.00 Cycles
TS1.18 1923.00 Cycles
TS1.19 1959.00 Cycles
TS1.20 1944.00 Cycles
TS1.21 1959.00 Cycles
TS1.22 1564.00 Cycles
TS1.23 1940.00 Cycles
TS1.24 1543.00 Cycles
TS1.25 2008.00 Cycles
TS1.26 1521.00 Cycles
TS1.27 2003.00 Cycles
TS1.28 1985.00 Cycles
TS1.29 1985.00 Cycles
TS1.30 1964.00 Cycles
TS1.31 1947.00 Cycles
TS1.32 1944.00 Cycles
TS1.33 1944.00 Cycles
TS1.34 1513.00 Cycles
TS1.35 1991.00 Cycles
TS1.36 1935.00 Cycles
TS1.37 1945.00 Cycles
TS1.38 1944.00 Cycles
TS1.39 1924.00 Cycles
TS1.40 1965.00 Cycles
TS1.41 1924.00 Cycles
TS1.42 1944.00 Cycles
TS1.43 1944.00 Cycles
TS1.44 1515.00 Cycles
TS1.45 1964.00 Cycles
TS1.46 1964.00 Cycles
TS1.47 1964.00 Cycles
TS1.48 1964.00 Cycles
TS1.49 1528.00 Cycles
TS1.50 1526.00 Cycles
TS1.51 1533.00 Cycles
TS1.52 1955.00 Cycles
TS1.53 1933.00 Cycles
TS1.54 1931.00 Cycles
TS1.55 1494.00 Cycles
TS1.56 1550.00 Cycles
TS1.57 2004.00 Cycles
TS1.58 1964.00 Cycles
TS1.59 1990.00 Cycles
TS1.60 1535.00 Cycles
TS1.61 1501.00 Cycles
TS1.62 1484.00 Cycles
TS1.63 1936.00 Cycles
TS1.64 1933.00 Cycles
TS1.65 2045.00 Cycles
TS1.66 2048.00 Cycles
TS1.67 1964.00 Cycles
TS1.68 1562.00 Cycles
TS1.69 1542.00 Cycles
TS1.70 1510.00 Cycles
TS1.71 1537.00 Cycles
TS1.72 1995.00 Cycles
TS1.73 1604.00 Cycles
TS1.74 2003.00 Cycles
TS1.75 1578.00 Cycles
TS1.76 1543.00 Cycles
TS1.77 1526.00 Cycles
TS1.78 1526.00 Cycles
TS1.79 1933.00 Cycles
TS1.80 1967.00 Cycles
TS1.81 1539.00 Cycles
TS1.82 1527.00 Cycles
TS1.83 1499.00 Cycles
TS1.84 2014.00 Cycles
TS1.85 1995.00 Cycles
TS1.86 1549.00 Cycles
TS1.87 1933.00 Cycles
TS1.88 1494.00 Cycles
TS1.89 2016.00 Cycles
TS1.90 1979.00 Cycles
TS1.91 2048.00 Cycles
TS1.92 1959.00 Cycles
TS1.93 1964.00 Cycles
TS1.94 2007.00 Cycles
TS1.95 1936.00 Cycles
TS1.96 1944.00 Cycles
TS1.97 1984.00 Cycles
TS1.98 1964.00 Cycles
TS1.99 1965.00 Cycles
TS1.100 1494.00 Cycles
TS1.101 1515.00 Cycles
TS1.102 1964.00 Cycles
TS1.103 1934.00 Cycles
TS1.104 1936.00 Cycles
TS1.105 1984.00 Cycles
TS1.106 1931.00 Cycles
TS1.107   2016.00 Cycles
TS1.108 1959.00 Cycles
TS1.109 1514.00 Cycles
TS1.110 1975.00 Cycles

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TS1.111 1979.00 Cycles
TS1.112 1565.00 Cycles
TS1.113 1543.00 Cycles
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Description	Vector Description: TS2.1All Min TS2.2All Max TS2.3k_CurrDiagMtrEnvTblMax_MtrNm_f32==>Min TS2.4k_CurrDiagMtrEnvTblMax_MtrNm_f32==>Max TS2.5k_CurrDiagMtrEnvTblMax_MtrNm_f32==>Pos/Default TS2.6k_CurrDiagPrim_Cnt_Str.Pstep==>Min TS2.7k_CurrDiagPrim_Cnt_Str.Pstep==>Max TS2.8k_CurrDiagPrim_Cnt_Str.Pstep==>Pos/Default TS2.9k_CurrDiagPrim_Cnt_Str.Nstep==>Min TS2.10k_CurrDiagPrim_Cnt_Str.Nstep==>Max TS2.11k_CurrDiagPrim_Cnt_Str.Nstep==>Pos/Default TS2.12k_CurrDiagPrim_Cnt_Str.Threshold==>Min TS2.13k_CurrDiagPrim_Cnt_Str.Threshold==>Max TS2.14k_CurrDiagPrim_Cnt_Str.Threshold==>Pos/Default TS2.15k_CurrDiagPrimErrorThresh_Volt_f32==>Min TS2.16k_CurrDiagPrimErrorThresh_Volt_f32==>Max TS2.17k_CurrDiagPrimErrorThresh_Volt_f32==>Pos/Default TS2.18k_CurrDiagSec_Cnt_Str.Pstep==>Min TS2.19k_CurrDiagSec_Cnt_Str.Pstep==>Max TS2.20k_CurrDiagSec_Cnt_Str.Pstep==>Pos/Default TS2.21k_CurrDiagSec_Cnt_Str.Nstep==>Min TS2.22k_CurrDiagSec_Cnt_Str.Nstep==>Max TS2.23k_CurrDiagSec_Cnt_Str.Nstep==>Pos/Default TS2.24k_CurrDiagSec_Cnt_Str.Threshold==>Min TS2.25k_CurrDiagSec_Cnt_Str.Threshold==>Max TS2.26k_CurrDiagSec_Cnt_Str.Threshold==>Pos/Default TS2.27k_CurrDiagSecErrorThresh_Volt_f32==>Min TS2.28k_CurrDiagSecErrorThresh_Volt_f32==>Max TS2.29k_CurrDiagSecErrorThresh_Volt_f32==>Pos/Default TS2.30k_CurrDiagSecTrqLmtThresh_Uls_f32==>Min/Default TS2.31k_CurrDiagSecTrqLmtThresh_Uls_f32==>Max TS2.32k_CurrDiagSecTrqLmtThresh_Uls_f32==>Pos TS2.33MtrVoltQax_Volt_f32==>Min TS2.34MtrVoltQax_Volt_f32==>Max TS2.35MtrVoltQax_Volt_f32==>Pos TS2.36MtrVoltQax_Volt_f32==>ZERO TS2.37MtrVoltQax_Volt_f32==>NEG TS2.38MtrVoltDax_Volt_f32==>Min TS2.39MtrVoltDax_Volt_f32==>Max TS2.40MtrVoltDax_Volt_f32==>Pos TS2.41MtrVoltDax_Volt_f32==>zero TS2.42MtrVoltDax_Volt_f32==>neg TS2.43OutputRampMult_Uls_f32==>Min TS2.44OutputRampMult_Uls_f32==>Max TS2.45OutputRampMult_Uls_f32==>POS TS2.46TrqLimitMin_MtrNm_f32==>Min TS2.47TrqLimitMin_MtrNm_f32==>Max TS2.48TrqLimitMin_MtrNm_f32==>Pos TS2.49TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV==>Min TS2.50TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV==>Max TS2.51TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV==>Pos TS2.52TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV==>zero TS2.53TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV==>neg TS2.54TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K==>Min TS2.55TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K==>Max TS2.56TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K==>Pos TS2.57TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV==>Min TS2.58TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV==>Max TS2.59TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV==>Pos TS2.60TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV==>zero TS2.61TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV==>neg TS2.62TqRsDg_AlpaCurrDiagSecLPF_M_Str.K==>Min TS2.63TqRsDg_AlpaCurrDiagSecLPF_M_Str.K==>Max TS2.64TqRsDg_AlpaCurrDiagSecLPF_M_Str.K==>Pos TS2.65TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV==>Min TS2.66TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV==>Max TS2.67TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV==>Pos TS2.68TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV==>zero TS2.69TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV==>neg TS2.70TqRsDg_BetaCurrDiagPrimLPF_M_Str.K==>Min TS2.71TqRsDg_BetaCurrDiagPrimLPF_M_Str.K==>Max TS2.72TqRsDg_BetaCurrDiagPrimLPF_M_Str.K==>Pos TS2.73TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>Min TS2.74TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>Max TS2.75TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>pos TS2.76TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>zero TS2.77TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>neg TS2.78TqRsDg_BetaCurrDiagSecLPF_M_Str.SV==>min TS2.79TqRsDg_BetaCurrDiagSecLPF_M_Str.K==>max TS2.80TqRsDg_BetaCurrDiagSecLPF_M_Str.K==>pos TS2.81TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16==>Min TS2.82TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16==>Max TS2.83TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16==>Pos TS2.84TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16==>Min TS2.85TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16==>Max TS2.86TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16==>Pos TS2.87k_CurrDiagLambdaMinMax_Volt_f32==>Min TS2.88k_CurrDiagLambdaMinMax_Volt_f32==>Max TS2.89k_CurrDiagLambdaMinMax_Volt_f32==>Pos/Default TS2.90CorrMtrPosElec_Rev_f32==>Min TS2.91CorrMtrPosElec_Rev_f32==>Max TS2.92CorrMtrPosElec_Rev_f32==>Pos TS2.93EstKe_VpRadpS_f32==>Min TS2.94EstKe_VpRadpS_f32==>Max TS2.95EstKe_VpRadpS_f32==>Pos

TS2.96EstR_Ohm_f32==>Min
TS2.97EstR_Ohm_f32==>Max
TS2.98EstR_Ohm_f32==>Pos
TS2.99MRFMtrVel_MtrRadpS_f32==>Min
TS2.100MRFMtrVel_MtrRadpS_f32==>Max
TS2.101MRFMtrVel_MtrRadpS_f32==>Pos
TS2.102MRFMtrVel_MtrRadpS_f32==>Zero
TS2.103MRFMtrVel_MtrRadpS_f32==>Neg
TS2.104MtrCurrDaxRef_Amp_f32==>Min
TS2.105MtrCurrDaxRef_Amp_f32==>Max
TS2.106MtrCurrDaxRef_Amp_f32==>Pos
TS2.107MtrCurrDaxRef_Amp_f32==>Zero
TS2.108MtrCurrDaxRef_Amp_f32==>Neg
TS2.109MtrCurrQaxFinalRef_Amp_f32==>Min
TS2.110MtrCurrQaxFinalRef_Amp_f32==>Max
TS2.111MtrCurrQaxFinalRef_Amp_f32==>Pos
TS2.112MtrCurrQaxFinalRef_Amp_f32==>Zero
TS2.113MtrCurrQaxFinalRef_Amp_f32==>Neg

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0
k_CurrDiagLambdaMinMax_Volt_f32	0
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1
k_CurrDiagPrimErrorThresh_Volt_f32	0
k_CurrDiagPrim_Cnt_Str.Threshold	0
k_CurrDiagPrim_Cnt_Str.PStep	0
k_CurrDiagPrim_Cnt_Str.NStep	0
k_CurrDiagSecErrorThresh_Volt_f32	0
k_CurrDiagSecTrqLmtThresh_Uls_f32	0
k_CurrDiagSec_Cnt_Str.Threshold	0
k_CurrDiagSec_Cnt_Str.PStep	0
k_CurrDiagSec_Cnt_Str.NStep	0
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0250000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.00499999989
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-31
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	255
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	250
k_CurrDiagPrim_Cnt_Str.Threshold	255
k_CurrDiagPrim_Cnt_Str.PStep	255
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	250
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	255
k_CurrDiagSec_Cnt_Str.PStep	255
k_CurrDiagSec_Cnt_Str.NStep	255
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	31
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.09439468	8.09439373 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.09439468	8.09439373 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.78488541	-4.78488684 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.78488541	-4.78488684 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.695800006
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0124000004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.598699987
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0120000001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.715799987
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0115
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.369700015
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0109999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	16
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	14
k_CurrDiagLambdaMinMax_Volt_f32	2.72390008
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1
k_CurrDiagPrimErrorThresh_Volt_f32	43.7410011
k_CurrDiagPrim_Cnt_Str.Threshold	22
k_CurrDiagPrim_Cnt_Str.PStep	80
k_CurrDiagPrim_Cnt_Str.NStep	166
k_CurrDiagSecErrorThresh_Volt_f32	58.0890007
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	43
k_CurrDiagSec_Cnt_Str.PStep	46
k_CurrDiagSec_Cnt_Str.NStep	17
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-19.8666992
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	57.9738998
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-14.4499998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.1199999
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.973100007
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.04570007

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.653395712	0.653395712 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.558828771	0.558828771 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.738893151	0.738893151 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.395596206	0.395596206 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.4 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.39160001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0248000007
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.19739997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0240000002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.43159997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.023

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.739400029
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0219999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	17
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	15
k_CurrDiagLambdaMinMax_Volt_f32	12.7407999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	157.643005
k_CurrDiagPrim_Cnt_Str.Threshold	81
k_CurrDiagPrim_Cnt_Str.PStep	77
k_CurrDiagPrim_Cnt_Str.NStep	199
k_CurrDiagSecErrorThresh_Volt_f32	191.136703
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.440200001
k_CurrDiagSec_Cnt_Str.Threshold	247
k_CurrDiagSec_Cnt_Str.PStep	128
k_CurrDiagSec_Cnt_Str.NStep	86
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0562999994
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0370000005
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.56289995
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-50.7308998
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-50.6444016
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-13.1199999
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.1099997
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.04111648	1.04111648 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.86288321	0.86288321 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.50925756	1.50925756 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.828909516	0.828909516 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.5 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.39159989
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0254999995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.19740009
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0219999999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.43160009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0219999999
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.73940003
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0250000004
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	18
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	16
k_CurrDiagLambdaMinMax_Volt_f32	8.08250046
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.5999999
k_CurrDiagPrimErrorThresh_Volt_f32	152.038605
k_CurrDiagPrim_Cnt_Str.Threshold	76
k_CurrDiagPrim_Cnt_Str.PStep	57

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	203
k_CurrDiagSecErrorThresh_Volt_f32	135.693893
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.0627999976
k_CurrDiagSec_Cnt_Str.Threshold	240
k_CurrDiagSec_Cnt_Str.PStep	120
k_CurrDiagSec_Cnt_Str.NStep	233
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.685400009
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.337700009
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-112.988899
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-180.135895
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-11.79
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.1000004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.91849995

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.12575769	2.12575769 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.97231841	1.97231817 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.44196725	2.44196701 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.76848578	1.76848567 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.6 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.08739996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0372000001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.79610002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0359999985
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.1473999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0344999991
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.10909998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0329999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	19
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	17
k_CurrDiagLambdaMinMax_Volt_f32	12.8172998
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.80559993
k_CurrDiagPrimErrorThresh_Volt_f32	211.609207
k_CurrDiagPrim_Cnt_Str.Threshold	72
k_CurrDiagPrim_Cnt_Str.PStep	0
k_CurrDiagPrim_Cnt_Str.NStep	57
k_CurrDiagSecErrorThresh_Volt_f32	70.9841003
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	216
k_CurrDiagSec_Cnt_Str.PStep	57
k_CurrDiagSec_Cnt_Str.NStep	189
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.38970006
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-150.725403
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	113.565697
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-10.46
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0900002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.58419991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.23084998	2.23085022 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.94540942	1.94540954 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.51551151	2.51551151 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.49547052	1.49547064 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.7 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.78320003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0496000014
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.39479995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0480000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.86319995
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0460000001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.47880006
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0439999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	20
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	18
k_CurrDiagLambdaMinMax_Volt_f32	14.5207005
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.20749998
k_CurrDiagPrimErrorThresh_Volt_f32	14.4371004
k_CurrDiagPrim_Cnt_Str.Threshold	189
k_CurrDiagPrim_Cnt_Str.PStep	255
k_CurrDiagPrim_Cnt_Str.NStep	113
k_CurrDiagSecErrorThresh_Volt_f32	64.040802
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.668099999
k_CurrDiagSec_Cnt_Str.Threshold	211
k_CurrDiagSec_Cnt_Str.PStep	176
k_CurrDiagSec_Cnt_Str.NStep	139
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.744300008

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.03299999
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	57.2033997
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-69.7826004
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-9.13000011
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0799999
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.755699992
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.02729988

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.85280204	2.85280204 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.48079991	2.48080015 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.39944506	3.39944506 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.05264378	2.05264354 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.8 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.47900009
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.061999999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.99349999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0599999987
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.579
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.057500001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.84850001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0549999997
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	21
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	19
k_CurrDiagLambdaMinMax_Volt_f32	18.1250992
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	80.8972015
k_CurrDiagPrim_Cnt_Str.Threshold	146
k_CurrDiagPrim_Cnt_Str.PStep	2
k_CurrDiagPrim_Cnt_Str.NStep	113
k_CurrDiagSecErrorThresh_Volt_f32	107.6511
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	59
k_CurrDiagSec_Cnt_Str.PStep	10
k_CurrDiagSec_Cnt_Str.NStep	114
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.75209999
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	3.69689989
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-207.319794
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-7.80000019
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0699997
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.36530018

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.75469422	2.75469398 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.32168865	2.32168865 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.72877407	2.72877407 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.13041794	1.13041794 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.47900009
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.063000001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.99349999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0500000007
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.579
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0588000007

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.84850001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0560000017
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	22
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	20
k_CurrDiagLambdaMinMax_Volt_f32	0.855799973
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.33370018
k_CurrDiagPrimErrorThresh_Volt_f32	185.998398
k_CurrDiagPrim_Cnt_Str.Threshold	42
k_CurrDiagPrim_Cnt_Str.PStep	59
k_CurrDiagPrim_Cnt_Str.NStep	0
k_CurrDiagSecErrorThresh_Volt_f32	143.790894
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	169
k_CurrDiagSec_Cnt_Str.PStep	235
k_CurrDiagSec_Cnt_Str.NStep	60
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.921700001
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.32930005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-140.936096
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-185.024506
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-6.46999979
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0600004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.98649979

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.25073862	4.25073862 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.83661509	3.83661509 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.25943375	4.25943375 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.64105916	2.64105916 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	22	22	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.10 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.17479992	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0744000003	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.59220004	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0719999969	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.2947998	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0689999983	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.21819997	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0659999996	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	23	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	21	
k_CurrDiagLambdaMinMax_Volt_f32	12.9694004	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.40310001	
k_CurrDiagPrimErrorThresh_Volt_f32	8.31260014	
k_CurrDiagPrim_Cnt_Str.Threshold	13	
k_CurrDiagPrim_Cnt_Str.PStep	66	

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	83.521698
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	95
k_CurrDiagSec_Cnt_Str.PStep	236
k_CurrDiagSec_Cnt_Str.NStep	17
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.42579997
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	78.3576965
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-100.774101
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-5.13999987
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0500002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.240799993
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.9046998

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.89927149	2.89927149 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.39976501	2.39976478 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.99697709	3.99697757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.07038164	2.07038188 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	4	4	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
none		0	*** No Call Expected ***	0	✔

Test Step 2.11 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.87060022
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0868000016
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.19089985
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0839999989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.01060009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0804999992
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.58789992
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0769999996
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	24
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	22
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.57259989
k_CurrDiagPrimErrorThresh_Volt_f32	238.328705
k_CurrDiagPrim_Cnt_Str.Threshold	144
k_CurrDiagPrim_Cnt_Str.PStep	159
k_CurrDiagPrim_Cnt_Str.NStep	1
k_CurrDiagSecErrorThresh_Volt_f32	229.691299
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	108
k_CurrDiagSec_Cnt_Str.PStep	171
k_CurrDiagSec_Cnt_Str.NStep	233
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.341199994
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-2.77670002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-73.5203018
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	47.5036011
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-3.80999994
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.04
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.54220009

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.08361292	3.08361292 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.5186522	2.51865244 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.19231224	4.19231224 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.9917376	1.99173796 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	23	23	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.12 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.56640005	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0992000028	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.7895999	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0960000008	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.7263999	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0920000002	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.95760012	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0879999995	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	25	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	23	
k_CurrDiagLambdaMinMax_Volt_f32	4.73829985	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.58060002	
k_CurrDiagPrimErrorThresh_Volt_f32	127.967102	
k_CurrDiagPrim_Cnt_Str.Threshold	0	
k_CurrDiagPrim_Cnt_Str.PStep	33	
k_CurrDiagPrim_Cnt_Str.NStep	74	
k_CurrDiagSecErrorThresh_Volt_f32	67.6595001	
k_CurrDiagSecTrqLmtThresh_Uls_f32	1	
k_CurrDiagSec_Cnt_Str.Threshold	40	
k_CurrDiagSec_Cnt_Str.PStep	25	
k_CurrDiagSec_Cnt_Str.NStep	140	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32	
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741	

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	0.384799987		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	159.541107		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-194.729095		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-2.48000002		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0299997		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.420899987		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.6408		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.54417372	4.54417372 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.87492156	3.87492156 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.76364756	4.76364756 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.28036094	2.2803607 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.56640005
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0998999998
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.7895999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0979999974
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.7263999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0659999996
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.95760012
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.057
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	26
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	24
k_CurrDiagLambdaMinMax_Volt_f32	8.0241003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.2565999
k_CurrDiagPrimErrorThresh_Volt_f32	210.303894
k_CurrDiagPrim_Cnt_Str.Threshold	255
k_CurrDiagPrim_Cnt_Str.PStep	0
k_CurrDiagPrim_Cnt_Str.NStep	164
k_CurrDiagSecErrorThresh_Volt_f32	210.636703
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	253
k_CurrDiagSec_Cnt_Str.PStep	251
k_CurrDiagSec_Cnt_Str.NStep	141
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.520799994
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.58860016
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	210.762207
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	117.104897
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-1.14999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0200005
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.226899996
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.549399972

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.71202421	6.71202421 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.00858116	6.00858116 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.75286674	5.75286722 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.27464318	3.27464318 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.26219988
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.111599997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.38829994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.108000003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.44220018
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.103500001

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.32730007
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0989999995
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	27
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	25
k_CurrDiagLambdaMinMax_Volt_f32	11.6905003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.17859983
k_CurrDiagPrimErrorThresh_Volt_f32	3.60010004
k_CurrDiagPrim_Cnt_Str.Threshold	200
k_CurrDiagPrim_Cnt_Str.PStep	159
k_CurrDiagPrim_Cnt_Str.NStep	2
k_CurrDiagSecErrorThresh_Volt_f32	105.122002
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	85
k_CurrDiagSec_Cnt_Str.PStep	67
k_CurrDiagSec_Cnt_Str.NStep	127
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.256999999
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-3.31399989
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	203.820602
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-152.617294
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	0.180000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0100002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.29760003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.32304049	6.32304096 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.54155922	5.54155922 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.56546593	4.56546545 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.84053791	1.84053779 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	186	186	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.15 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.95800018
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.123999998
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.98699999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.119999997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.15799999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.115000002
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.69700003
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.109999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	28
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	26
k_CurrDiagLambdaMinMax_Volt_f32	11.3079004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.01310015
k_CurrDiagPrimErrorThresh_Volt_f32	0
k_CurrDiagPrim_Cnt_Str.Threshold	235
k_CurrDiagPrim_Cnt_Str.PStep	187

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	152
k_CurrDiagSecErrorThresh_Volt_f32	63.2280006
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	246
k_CurrDiagSec_Cnt_Str.PStep	80
k_CurrDiagSec_Cnt_Str.NStep	185
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.050999999
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.86359978
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	87.6671982
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-45.3522987
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.50999999
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-21.2199993
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.429800004
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.80254078	5.80254126 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.98533344	4.98533392 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.63523865	7.63523865 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.53419924	4.53419924 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	215	215	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.16 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.65380001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.136399999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.58570004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.131999999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.8737998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.126499996
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.06669998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.120999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	29
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	27
k_CurrDiagLambdaMinMax_Volt_f32	16.0431004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.15810013
k_CurrDiagPrimErrorThresh_Volt_f32	250
k_CurrDiagPrim_Cnt_Str.Threshold	61
k_CurrDiagPrim_Cnt_Str.PStep	109
k_CurrDiagPrim_Cnt_Str.NStep	251
k_CurrDiagSecErrorThresh_Volt_f32	181.786301
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.184599996
k_CurrDiagSec_Cnt_Str.Threshold	137
k_CurrDiagSec_Cnt_Str.PStep	108
k_CurrDiagSec_Cnt_Str.NStep	15
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.887499988
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-2.64980006
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-62.5007019
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	57.2453003
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.83999991
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-21.9899998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.5934999

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.79810047	8.79810047 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.83407688	7.83407688 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.78102684	8.78102684 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.39514112	5.3951416 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	12	12	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.17 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.65380001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.123400003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.58570004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.123000003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.87380028
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0557999983
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.06669998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0579999983
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	30
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	28
k_CurrDiagLambdaMinMax_Volt_f32	10.7623997
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.82700014
k_CurrDiagPrimErrorThresh_Volt_f32	20
k_CurrDiagPrim_Cnt_Str.Threshold	61
k_CurrDiagPrim_Cnt_Str.PStep	123
k_CurrDiagPrim_Cnt_Str.NStep	210
k_CurrDiagSecErrorThresh_Volt_f32	82.7951965
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	24
k_CurrDiagSec_Cnt_Str.PStep	125
k_CurrDiagSec_Cnt_Str.NStep	107
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.907999992

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0260000005		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-3.14840007		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	202.574997		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-7.7874999		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.17000008		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-22.7600002		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.897099972		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.84109998		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.21062422	7.21062469 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.27857828	6.27857924 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.97918415	8.97918415 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.39705038	5.39705038 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.34959984
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.148800001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.18440008
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.143999994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.58959961
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.137999997
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.43639994
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.131999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	31
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	29
k_CurrDiagLambdaMinMax_Volt_f32	3.76769996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.15859985
k_CurrDiagPrimErrorThresh_Volt_f32	8.44050026
k_CurrDiagPrim_Cnt_Str.Threshold	93
k_CurrDiagPrim_Cnt_Str.PStep	87
k_CurrDiagPrim_Cnt_Str.NStep	249
k_CurrDiagSecErrorThresh_Volt_f32	158.779999
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	136
k_CurrDiagSec_Cnt_Str.PStep	0
k_CurrDiagSec_Cnt_Str.NStep	236
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0270000007
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.00620008
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	156.568802
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	203.218597
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.5
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-23.5300007
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.02340007

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.54654551	6.54654598 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.6072979	5.60729742 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.92417765	7.92417765 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.34813166	4.34813166 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.04539967
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.161200002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.78310013
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.156000003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.30539989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.149499997

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.80609989
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.143000007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	32
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	30
k_CurrDiagLambdaMinMax_Volt_f32	18.4493999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	151.296005
k_CurrDiagPrim_Cnt_Str.Threshold	120
k_CurrDiagPrim_Cnt_Str.PStep	94
k_CurrDiagPrim_Cnt_Str.NStep	107
k_CurrDiagSecErrorThresh_Volt_f32	201.603394
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.755299985
k_CurrDiagSec_Cnt_Str.Threshold	20
k_CurrDiagSec_Cnt_Str.PStep	255
k_CurrDiagSec_Cnt_Str.NStep	156
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.141900003
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0280000009
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.3032999
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	114.112297
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-64.0852966
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.82999992
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-24.2999992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.84024572	4.84024572 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.91051483	3.91051459 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.89756489	8.89756584 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.05939722	5.05939722 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.20 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.74120045
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.173600003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.3817997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.167999998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.0212002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.160999998
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.17579985
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.153999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	33
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	31
k_CurrDiagLambdaMinMax_Volt_f32	7.74889994
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.41989994
k_CurrDiagPrimErrorThresh_Volt_f32	21.5121994
k_CurrDiagPrim_Cnt_Str.Threshold	54
k_CurrDiagPrim_Cnt_Str.PStep	103

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	149
k_CurrDiagSecErrorThresh_Volt_f32	186.361893
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.765100002
k_CurrDiagSec_Cnt_Str.Threshold	75
k_CurrDiagSec_Cnt_Str.PStep	2
k_CurrDiagSec_Cnt_Str.NStep	40
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.240099996
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0289999992
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.11740017
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-126.655197
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	164.370102
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	8.15999985
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.0699997
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.2421
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.69410038

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.70491886	6.70491886 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.67184258	5.67184258 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.65536022	9.65535927 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.57205725	5.57205725 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.21 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.7412004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.173600003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.3817997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.162
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.0212002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.208000004
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.17579985
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.222000003
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	34
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	32
k_CurrDiagLambdaMinMax_Volt_f32	1.50469995
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.37900019
k_CurrDiagPrimErrorThresh_Volt_f32	0.828400016
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	39
k_CurrDiagPrim_Cnt_Str.NStep	12
k_CurrDiagSecErrorThresh_Volt_f32	127.712502
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	198
k_CurrDiagSec_Cnt_Str.PStep	38
k_CurrDiagSec_Cnt_Str.NStep	0
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0421000011
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0309999995
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	7.99650002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	18.7458992
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	69.3097992
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	9.48999977
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.9399996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.580600023
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.26149988

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.13774395	9.13774395 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.10570908	8.10571003 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.04176807	9.04176807 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.13881588	5.13881588 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	73	73	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	32	32	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.22 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.4370003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.186000004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.98050022
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.180000007
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.7370005
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.172499999
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.5454998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.165000007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	35
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	33
k_CurrDiagLambdaMinMax_Volt_f32	13.2119999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	85.0475998
k_CurrDiagPrim_Cnt_Str.Threshold	34
k_CurrDiagPrim_Cnt_Str.PStep	194
k_CurrDiagPrim_Cnt_Str.NStep	117
k_CurrDiagSecErrorThresh_Volt_f32	161.8452
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.520399988
k_CurrDiagSec_Cnt_Str.Threshold	226
k_CurrDiagSec_Cnt_Str.PStep	125
k_CurrDiagSec_Cnt_Str.NStep	255
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0309999995		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	183.184296		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	209.760696		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	10.8199997		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.9300003		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.4453001		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.80123138	6.80123234 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.72418404	5.72418547 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.1639376	11.1639376 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.81047249	6.81047249 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.23 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.1328001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.198400006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.57919979
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.192000002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.4527998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.184
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.91520023
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.175999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	36
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	34
k_CurrDiagLambdaMinMax_Volt_f32	8.35309982
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.03890002
k_CurrDiagPrimErrorThresh_Volt_f32	126.699097
k_CurrDiagPrim_Cnt_Str.Threshold	1
k_CurrDiagPrim_Cnt_Str.PStep	13
k_CurrDiagPrim_Cnt_Str.NStep	194
k_CurrDiagSecErrorThresh_Volt_f32	92.706398
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	25
k_CurrDiagSec_Cnt_Str.PStep	245
k_CurrDiagSec_Cnt_Str.NStep	1
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-5.60570002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-44.8685989
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	195.035797
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	12.1499996
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.9200001
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.97370005

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.5813074	10.5813074 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.34378815	9.3437891 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.8824549	10.8824549 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.64027023	9.64027023 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	33	33	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.24 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.8285999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.210800007
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.1779003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.203999996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.1686001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.195500001

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.2848997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.187000006
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	37
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	35
k_CurrDiagLambdaMinMax_Volt_f32	9.57789993
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.59439993
k_CurrDiagPrimErrorThresh_Volt_f32	44.3796997
k_CurrDiagPrim_Cnt_Str.Threshold	86
k_CurrDiagPrim_Cnt_Str.PStep	202
k_CurrDiagPrim_Cnt_Str.NStep	109
k_CurrDiagSecErrorThresh_Volt_f32	121.907402
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.936100006
k_CurrDiagSec_Cnt_Str.Threshold	0
k_CurrDiagSec_Cnt_Str.PStep	5
k_CurrDiagSec_Cnt_Str.NStep	213
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0782999992
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0141000003
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.46210003
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-184.058701
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-15.9850998
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	13.4799995
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.9099998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.93659997

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.2461042	11.2461042 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.95093727	9.95093727 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.662118	11.662118 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.1526909	10.1526909 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.25 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8285999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.234500006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.1779003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.224999994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.1686001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0225000009
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2848997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0590000004
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	38
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	36
k_CurrDiagLambdaMinMax_Volt_f32	2.64680004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.17720008
k_CurrDiagPrimErrorThresh_Volt_f32	147.745102
k_CurrDiagPrim_Cnt_Str.Threshold	47
k_CurrDiagPrim_Cnt_Str.PStep	227

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	37
k_CurrDiagSecErrorThresh_Volt_f32	51.2633018
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	255
k_CurrDiagSec_Cnt_Str.PStep	160
k_CurrDiagSec_Cnt_Str.NStep	134
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.50430012
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	140.245895
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-188.398804
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	14.8100004
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.8999996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.381199986
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.71432304	9.71432304 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.56119633	8.56119537 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8127537	12.8127537 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.4629297	10.4629297 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	1	1	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
none		0	*** No Call Expected ***	0	✔

Test Step 2.26 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.5243998
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.223199993
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.7765999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.216000006
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8844004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.207000002
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.65460014
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.197999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	39
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	37
k_CurrDiagLambdaMinMax_Volt_f32	16.1483002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.93109989
k_CurrDiagPrimErrorThresh_Volt_f32	64.4897003
k_CurrDiagPrim_Cnt_Str.Threshold	8
k_CurrDiagPrim_Cnt_Str.PStep	22
k_CurrDiagPrim_Cnt_Str.NStep	132
k_CurrDiagSecErrorThresh_Volt_f32	8.3810997
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	200
k_CurrDiagSec_Cnt_Str.PStep	227
k_CurrDiagSec_Cnt_Str.NStep	216
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.70119953
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	81.066597
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-38.5410004
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	16.1399994
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8899994
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.871599972
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.83229995

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.3629532	11.3629551 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.0301447	10.0301456 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.5600281	13.5600271 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.53435326	8.5343523 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	200	200	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.2201996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.235599995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.3753004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.228
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.6001997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.218500003
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.0243001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.209000006
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	40
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	38
k_CurrDiagLambdaMinMax_Volt_f32	6.70650005
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.81279993
k_CurrDiagPrimErrorThresh_Volt_f32	245.546494
k_CurrDiagPrim_Cnt_Str.Threshold	130
k_CurrDiagPrim_Cnt_Str.PStep	179
k_CurrDiagPrim_Cnt_Str.NStep	194
k_CurrDiagSecErrorThresh_Volt_f32	0
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.380299985
k_CurrDiagSec_Cnt_Str.Threshold	101
k_CurrDiagSec_Cnt_Str.PStep	141
k_CurrDiagSec_Cnt_Str.NStep	161
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.44019985		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	25.5883999		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	145.473404		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	17.4699993		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8799992		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.48010004		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.6855717	11.6855726 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.3108139	10.3108139 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.0939264	12.0939264 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.95788002	6.95788002 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.9160004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.247999996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.974
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.239999995
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.316
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.230000004
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.39400005
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.219999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	41
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	39
k_CurrDiagLambdaMinMax_Volt_f32	19.2807007
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.38750005
k_CurrDiagPrimErrorThresh_Volt_f32	81.0667038
k_CurrDiagPrim_Cnt_Str.Threshold	116
k_CurrDiagPrim_Cnt_Str.PStep	45
k_CurrDiagPrim_Cnt_Str.NStep	42
k_CurrDiagSecErrorThresh_Volt_f32	250
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	20
k_CurrDiagSec_Cnt_Str.PStep	33
k_CurrDiagSec_Cnt_Str.NStep	62
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-6.37669992
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-18.4909992
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-19.6452007
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	18.7999992
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8700008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.32069999
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.26550007

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.2464457	15.2464457 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.7276077	13.7276077 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.457881	15.457881 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.0090742	10.0090742 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.9160004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.248999998
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.974
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.241999999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.316
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0253999997

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.39400005
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0599999987
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	42
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	40
k_CurrDiagLambdaMinMax_Volt_f32	6.4994998
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.05410004
k_CurrDiagPrimErrorThresh_Volt_f32	175.746399
k_CurrDiagPrim_Cnt_Str.Threshold	47
k_CurrDiagPrim_Cnt_Str.PStep	1
k_CurrDiagPrim_Cnt_Str.NStep	249
k_CurrDiagSecErrorThresh_Volt_f32	20
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.497900009
k_CurrDiagSec_Cnt_Str.Threshold	179
k_CurrDiagSec_Cnt_Str.PStep	220
k_CurrDiagSec_Cnt_Str.NStep	237
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0289999992
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.84770012
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-54.0234985
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-51.1262016
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	20.1299992
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8600006
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.193599999
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.55999994

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8202915	12.8202915 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.4071712	11.4071712 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.092061	15.092061 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.2803297	8.2803297 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.30 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.6118002
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.260399997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.5726995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.252000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.0318003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.241500005
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.76370001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.231000006
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	43
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	41
k_CurrDiagLambdaMinMax_Volt_f32	15.9567003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.13210011
k_CurrDiagPrimErrorThresh_Volt_f32	131.048798
k_CurrDiagPrim_Cnt_Str.Threshold	62
k_CurrDiagPrim_Cnt_Str.PStep	48

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	43
k_CurrDiagSecErrorThresh_Volt_f32	216.274307
k_CurrDiagSecTrqLmtThresh_Uls_f32	0
k_CurrDiagSec_Cnt_Str.Threshold	197
k_CurrDiagSec_Cnt_Str.PStep	185
k_CurrDiagSec_Cnt_Str.NStep	251
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.192100003
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0309999995
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.29399991
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-133.176895
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	163.014496
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	21.4599991
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.212500006
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.8118

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.65176296	6.65176249 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.38329077	5.38329124 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.2551632	15.2551632 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.65628338	9.65628338 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.31 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.3076
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.272799999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.1714001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.263999999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.7475996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.252999991
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.13339996
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.241999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	44
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	42
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.71420002
k_CurrDiagPrimErrorThresh_Volt_f32	158.929199
k_CurrDiagPrim_Cnt_Str.Threshold	131
k_CurrDiagPrim_Cnt_Str.PStep	78
k_CurrDiagPrim_Cnt_Str.NStep	170
k_CurrDiagSecErrorThresh_Volt_f32	101.613998
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	242
k_CurrDiagSec_Cnt_Str.PStep	168
k_CurrDiagSec_Cnt_Str.NStep	117
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0309999995
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.97949982
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	82.7233963
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	15.9370003
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	22.7900009
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8400002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.117899999
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.38749981

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.8938684	14.8938694 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.3349714	13.3349724 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.8234577	16.8234577 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.0051174	11.0051174 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.32 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.3076
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.272799999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.1714001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.263999999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.7475996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.252999991
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.13339996
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.241999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	44
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	42
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.71420002
k_CurrDiagPrimErrorThresh_Volt_f32	158.929199
k_CurrDiagPrim_Cnt_Str.Threshold	131
k_CurrDiagPrim_Cnt_Str.PStep	78
k_CurrDiagPrim_Cnt_Str.NStep	170
k_CurrDiagSecErrorThresh_Volt_f32	101.613998
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.125
k_CurrDiagSec_Cnt_Str.Threshold	242
k_CurrDiagSec_Cnt_Str.PStep	168
k_CurrDiagSec_Cnt_Str.NStep	117
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0320000015
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.97949982
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	82.7233963
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	15.9370003
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	22.7900009
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-25.8299999
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.117899999
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.38749981

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.8938675	14.8938684 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.3349705	13.3349714 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.8234577	16.8234577 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.0051174	11.0051174 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.0034008
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.2852
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.7700996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.275999993
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.4633999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.264499992
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.5031004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.252999991
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	45
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	43
k_CurrDiagLambdaMinMax_Volt_f32	6.90180016
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.56969976
k_CurrDiagPrimErrorThresh_Volt_f32	64.4876022
k_CurrDiagPrim_Cnt_Str.Threshold	206
k_CurrDiagPrim_Cnt_Str.PStep	224
k_CurrDiagPrim_Cnt_Str.NStep	28
k_CurrDiagSecErrorThresh_Volt_f32	206.100006
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	178
k_CurrDiagSec_Cnt_Str.PStep	55
k_CurrDiagSec_Cnt_Str.NStep	73
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0329999998
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0454999991
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-5.62610006
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-86.8597031
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-64.1763
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	24.1200008
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-31
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.254799992

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.4076242	13.4076233 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.8744488	11.8744488 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.9343567	13.9343567 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.09797096	8.09797096 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	17	17	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.34 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.0034008
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.258599997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.7700996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.27700001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.4633999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.058699999

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.5031004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.064000003
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	46
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	44
k_CurrDiagLambdaMinMax_Volt_f32	4.49179983
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.84789991
k_CurrDiagPrimErrorThresh_Volt_f32	113.526497
k_CurrDiagPrim_Cnt_Str.Threshold	79
k_CurrDiagPrim_Cnt_Str.PStep	154
k_CurrDiagPrim_Cnt_Str.NStep	102
k_CurrDiagSecErrorThresh_Volt_f32	93.4389038
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.304100007
k_CurrDiagSec_Cnt_Str.Threshold	76
k_CurrDiagSec_Cnt_Str.PStep	169
k_CurrDiagSec_Cnt_Str.NStep	121
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.790199995
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0340000018
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-2.84750009
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-47.7765999
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	169.138397
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	25.4500008
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	31
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.50749993

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.4447422	11.4447412 ± 0.0625	✓
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.43455315	9.4345541 ± 0.0625	✓
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.1746292	16.1746292 ± 0.0625	✓
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.60742664	8.60742664 ± 0.0625	✓
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✓
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✓
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.35 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.6991997
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.297600001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.3688002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.287999988
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.1791992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.275999993
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.87279987
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.263999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	47
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	45
k_CurrDiagLambdaMinMax_Volt_f32	18.6623993
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.3296001
k_CurrDiagPrimErrorThresh_Volt_f32	214.330597
k_CurrDiagPrim_Cnt_Str.Threshold	146
k_CurrDiagPrim_Cnt_Str.PStep	146

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	90
k_CurrDiagSecErrorThresh_Volt_f32	127.094101
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.0736000016
k_CurrDiagSec_Cnt_Str.Threshold	225
k_CurrDiagSec_Cnt_Str.PStep	102
k_CurrDiagSec_Cnt_Str.NStep	144
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0350000001
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.060899999
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.38739967
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	113.910004
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-206.542694
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.5
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.2736001

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.2834473	17.2834492 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.6053562	15.6053572 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.28691864	7.28691816 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.60350752	1.60350716 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.36 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.6991997
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.297600001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.3688002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.287999988
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.1791992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.275999993
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.87279987
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.263999999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	47
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	45
k_CurrDiagLambdaMinMax_Volt_f32	18.6623993
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.3296001
k_CurrDiagPrimErrorThresh_Volt_f32	214.330597
k_CurrDiagPrim_Cnt_Str.Threshold	146
k_CurrDiagPrim_Cnt_Str.PStep	146
k_CurrDiagPrim_Cnt_Str.NStep	90
k_CurrDiagSecErrorThresh_Volt_f32	127.094101
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.0736000016
k_CurrDiagSec_Cnt_Str.Threshold	225
k_CurrDiagSec_Cnt_Str.PStep	102
k_CurrDiagSec_Cnt_Str.NStep	144
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0359999985
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.060899999
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.38739967
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	113.910004
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-206.542694
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	0
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.2736001

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.2834473	17.2834492 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.6053562	15.6053572 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.5139904	9.51398945 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.73374987	3.73374891 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.37 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.6991997	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.297600001	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.3688002	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.287999988	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.1791992	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.275999993	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.87279987	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.263999999	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	47	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	45	
k_CurrDiagLambdaMinMax_Volt_f32	18.6623993	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.3296001	
k_CurrDiagPrimErrorThresh_Volt_f32	214.330597	
k_CurrDiagPrim_Cnt_Str.Threshold	146	
k_CurrDiagPrim_Cnt_Str.PStep	146	
k_CurrDiagPrim_Cnt_Str.NStep	90	
k_CurrDiagSecErrorThresh_Volt_f32	127.094101	
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.0736000016	
k_CurrDiagSec_Cnt_Str.Threshold	225	
k_CurrDiagSec_Cnt_Str.PStep	102	
k_CurrDiagSec_Cnt_Str.NStep	144	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32	
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741	

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0370000005		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.060899999		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.38739967		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	113.910004		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-206.542694		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-12.5		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.2736001		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.2834473	17.2834492 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.6053562	15.6053572 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.9663048	12.9663038 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.03596449	7.03596306 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.38 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.3950005
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.310000002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.9674997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.300000012
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.8950005
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.287499994
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.24250031
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.275000006
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	48
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	46
k_CurrDiagLambdaMinMax_Volt_f32	6.5163002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.18550014
k_CurrDiagPrimErrorThresh_Volt_f32	30.9685001
k_CurrDiagPrim_Cnt_Str.Threshold	164
k_CurrDiagPrim_Cnt_Str.PStep	233
k_CurrDiagPrim_Cnt_Str.NStep	251
k_CurrDiagSecErrorThresh_Volt_f32	44.9258995
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	42
k_CurrDiagSec_Cnt_Str.PStep	165
k_CurrDiagSec_Cnt_Str.NStep	70
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0379999988
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.060899999
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.49170005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-22.7693996
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-79.8511963
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	1.14999998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.709800005
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.53980017

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.98249722	9.98249722 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.52235985	8.52235985 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.1933002	11.1933012 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.21161556	5.21161699 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.39 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	18.0907993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.322400004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.5662003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.312000006
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	18.6107998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.298999995

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.61219978
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.286000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	49
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	47
k_CurrDiagLambdaMinMax_Volt_f32	8.29529953
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.56409979
k_CurrDiagPrimErrorThresh_Volt_f32	145.466095
k_CurrDiagPrim_Cnt_Str.Threshold	77
k_CurrDiagPrim_Cnt_Str.PStep	23
k_CurrDiagPrim_Cnt_Str.NStep	207
k_CurrDiagSecErrorThresh_Volt_f32	156.600494
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	168
k_CurrDiagSec_Cnt_Str.PStep	118
k_CurrDiagSec_Cnt_Str.NStep	105
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0390000008
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.060899999
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	6.65649986
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	196.565308
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-22.1826992
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	1.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.153699994
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.03539991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.9327297	14.9327307 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.2976789	13.2976789 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.399641	12.3996401 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.2446909	6.24468994 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.40 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.0907993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.322299987
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.5662003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.333000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.6107998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.300000012
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.6121998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.268000007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	50
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	48
k_CurrDiagLambdaMinMax_Volt_f32	0.624100029
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.63940001
k_CurrDiagPrimErrorThresh_Volt_f32	89.0516968
k_CurrDiagPrim_Cnt_Str.Threshold	100
k_CurrDiagPrim_Cnt_Str.PStep	36

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	152
k_CurrDiagSecErrorThresh_Volt_f32	210.378494
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.372700006
k_CurrDiagSec_Cnt_Str.Threshold	211
k_CurrDiagSec_Cnt_Str.PStep	134
k_CurrDiagSec_Cnt_Str.NStep	160
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.630299985
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0399999991
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.31690025
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	193.358795
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	7.52010012
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	11.25
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	1.14999998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.30340004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.1389828	13.1389828 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2574806	11.2574806 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.9147892	13.9147902 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.93538857	7.93538904 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.41 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.0907993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.322299987
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.5662003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.333000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.6107998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.300000012
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.6121998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.268000007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	50
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	48
k_CurrDiagLambdaMinMax_Volt_f32	0.624100029
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.63940001
k_CurrDiagPrimErrorThresh_Volt_f32	89.0516968
k_CurrDiagPrim_Cnt_Str.Threshold	100
k_CurrDiagPrim_Cnt_Str.PStep	36
k_CurrDiagPrim_Cnt_Str.NStep	152
k_CurrDiagSecErrorThresh_Volt_f32	210.378494
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.372700006
k_CurrDiagSec_Cnt_Str.Threshold	211
k_CurrDiagSec_Cnt_Str.PStep	134
k_CurrDiagSec_Cnt_Str.NStep	160
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.630299985
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.31690025
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	193.358795
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	7.52010012
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	0
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	1.14999998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.30340004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.1389828	13.1389828 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2574806	11.2574806 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.9147892	13.9147902 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.93538857	7.93538904 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.42 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.0907993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.322299987
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.5662003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.333000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.6107998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.300000012
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.6121998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.268000007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	50
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	48
k_CurrDiagLambdaMinMax_Volt_f32	0.624100029
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.63940001
k_CurrDiagPrimErrorThresh_Volt_f32	89.0516968
k_CurrDiagPrim_Cnt_Str.Threshold	100
k_CurrDiagPrim_Cnt_Str.PStep	36
k_CurrDiagPrim_Cnt_Str.NStep	152
k_CurrDiagSecErrorThresh_Volt_f32	210.378494
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.372700006
k_CurrDiagSec_Cnt_Str.Threshold	211
k_CurrDiagSec_Cnt_Str.PStep	134
k_CurrDiagSec_Cnt_Str.NStep	160
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.630299985

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0419999994
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.31690025
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	193.358795
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	7.52010012
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-11.25
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.30340004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.1389828	13.1389828 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2574806	11.2574806 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.9147892	13.9147902 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.93538857	7.93538904 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.43 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	18.7866001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.334800005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.1648998
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.324000001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.3265991
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.310499996
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.98190022
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.296999991
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	51
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	49
k_CurrDiagLambdaMinMax_Volt_f32	13.5771999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.63059998
k_CurrDiagPrimErrorThresh_Volt_f32	197.122894
k_CurrDiagPrim_Cnt_Str.Threshold	217
k_CurrDiagPrim_Cnt_Str.PStep	168
k_CurrDiagPrim_Cnt_Str.NStep	30
k_CurrDiagSecErrorThresh_Volt_f32	184.701706
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	83
k_CurrDiagSec_Cnt_Str.PStep	61
k_CurrDiagSec_Cnt_Str.NStep	206
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.857200027
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0430000015
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.90770006
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	195.522598
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	54.4747009
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.92219996

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.0245829	12.0245829 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.4704437	10.4704428 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.7896433	10.7896442 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.5914917	4.5914917 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	21	21	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.44 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.4824009
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.347200006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.7635994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.335999995
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.0424004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.321999997

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.3515997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.307999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	52
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	50
k_CurrDiagLambdaMinMax_Volt_f32	14.0865002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.25580001
k_CurrDiagPrimErrorThresh_Volt_f32	166.2379
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	202
k_CurrDiagPrim_Cnt_Str.NStep	220
k_CurrDiagSecErrorThresh_Volt_f32	215.573502
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.902800024
k_CurrDiagSec_Cnt_Str.Threshold	252
k_CurrDiagSec_Cnt_Str.PStep	22
k_CurrDiagSec_Cnt_Str.NStep	188
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.194000006
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0439999998
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.64319992
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	73.5863037
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-81.1405029
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.93550014

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.6089439	17.6089439 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.8640938	15.8640947 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.8706055	16.8706055 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.3024759	10.302475 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.45 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	19.4824009	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.347200006	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.7635994	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.335999995	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.0424004	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.321999997	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.3515997	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.307999998	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	52	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	50	
k_CurrDiagLambdaMinMax_Volt_f32	14.0865002	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.25580001	
k_CurrDiagPrimErrorThresh_Volt_f32	166.2379	
k_CurrDiagPrim_Cnt_Str.Threshold	122	
k_CurrDiagPrim_Cnt_Str.PStep	202	

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	220
k_CurrDiagSecErrorThresh_Volt_f32	215.573502
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.902800024
k_CurrDiagSec_Cnt_Str.Threshold	252
k_CurrDiagSec_Cnt_Str.PStep	22
k_CurrDiagSec_Cnt_Str.NStep	188
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.194000006
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0450000018
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.64319992
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	73.5863037
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-81.1405029
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.4499998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.0124500003
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.93550014

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.6089439	17.6089439 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.8640938	15.8640947 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.8585491	16.8585472 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.2909431	10.2909431 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.46 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.1781998
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.359600008
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	17.3623009
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.34799999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.7581997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.333499998
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.7213001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.319000006
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	53
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	51
k_CurrDiagLambdaMinMax_Volt_f32	13.8903999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.83360004
k_CurrDiagPrimErrorThresh_Volt_f32	53.4693985
k_CurrDiagPrim_Cnt_Str.Threshold	11
k_CurrDiagPrim_Cnt_Str.PStep	74
k_CurrDiagPrim_Cnt_Str.NStep	225
k_CurrDiagSecErrorThresh_Volt_f32	182.996399
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	249
k_CurrDiagSec_Cnt_Str.PStep	122
k_CurrDiagSec_Cnt_Str.NStep	182
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.00609999988
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0460000001
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.06739998
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-123.832603
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-48.3534012
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.5500002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.9171066	17.9171066 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.1540794	16.1540794 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.2028923	9.2028923 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.87016773	2.87016773 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.47 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.8740005
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.372000009
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	17.9610004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.360000014
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	21.4740009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.344999999
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.0909996
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.330000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	54
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	52
k_CurrDiagLambdaMinMax_Volt_f32	9.17109966
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.39020002
k_CurrDiagPrimErrorThresh_Volt_f32	239.357895
k_CurrDiagPrim_Cnt_Str.Threshold	180
k_CurrDiagPrim_Cnt_Str.PStep	70
k_CurrDiagPrim_Cnt_Str.NStep	138
k_CurrDiagSecErrorThresh_Volt_f32	84.9250031
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	205
k_CurrDiagSec_Cnt_Str.PStep	180
k_CurrDiagSec_Cnt_Str.NStep	229
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0469999984		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.72660005		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	35.7951012		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-154.601303		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	26.7800007		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.6499996		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.91869998		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.5205212	16.5205212 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.7966366	14.7966356 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.9014416	10.9014406 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.40450621	4.40450716 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.48 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	21.5697994
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.38440001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.5597
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.372000009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	22.1898003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.3565
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.4607
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.340999991
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	55
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	53
k_CurrDiagLambdaMinMax_Volt_f32	1.18939996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	186.005798
k_CurrDiagPrim_Cnt_Str.Threshold	146
k_CurrDiagPrim_Cnt_Str.PStep	79
k_CurrDiagPrim_Cnt_Str.NStep	25
k_CurrDiagSecErrorThresh_Volt_f32	9.60980034
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	223
k_CurrDiagSec_Cnt_Str.PStep	72
k_CurrDiagSec_Cnt_Str.NStep	179
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0480000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.2663002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	165.736206
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	49.989399
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.45000005
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.75
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.230100006
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.6401

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8211632	12.8211632 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2130346	11.2130346 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.8551159	13.8551149 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.14701605	7.14701605 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	30	30	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	125	125	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.49 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.396800011
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	19.1583996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.384000003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	22.9055996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.368000001

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.8304005
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.351999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	56
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	54
k_CurrDiagLambdaMinMax_Volt_f32	16.7404995
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.47830009
k_CurrDiagPrimErrorThresh_Volt_f32	197.934601
k_CurrDiagPrim_Cnt_Str.Threshold	153
k_CurrDiagPrim_Cnt_Str.PStep	236
k_CurrDiagPrim_Cnt_Str.NStep	188
k_CurrDiagSecErrorThresh_Volt_f32	198.956299
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.746500015
k_CurrDiagSec_Cnt_Str.Threshold	46
k_CurrDiagSec_Cnt_Str.PStep	117
k_CurrDiagSec_Cnt_Str.NStep	45
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.909600019
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0489999987
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.7579
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	16.6273003
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	192.113403
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.59000003
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.986699998
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.31890011

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.0610828	-17.0610809 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.3868494	13.3868504 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.0070362	17.0070362 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.0867662	10.0867653 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	9	9	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.50 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.409200013
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	19.7570992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.395999998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	23.6214008
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.379500002
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.2000999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.363000005
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	57
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	55
k_CurrDiagLambdaMinMax_Volt_f32	9.70720005
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.26819992
k_CurrDiagPrimErrorThresh_Volt_f32	26.0926991
k_CurrDiagPrim_Cnt_Str.Threshold	18
k_CurrDiagPrim_Cnt_Str.PStep	219

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	16
k_CurrDiagSecErrorThresh_Volt_f32	164.276398
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	32
k_CurrDiagSec_Cnt_Str.PStep	40
k_CurrDiagSec_Cnt_Str.NStep	67
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.967299998
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0500000007
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.76340008
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	155.248703
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-214.259506
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.73000002
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	12.9499998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.0194000006
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.40020001

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.3426132	14.3426142 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.08923721	8.08923721 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.973196	10.973196 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.24775028	4.24775028 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	41	41	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.51 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	23.6571999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.421600014
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.3558006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.407999992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	24.3372002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.391000003
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.5698004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.374000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	58
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	56
k_CurrDiagLambdaMinMax_Volt_f32	15.6351004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.97970009
k_CurrDiagPrimErrorThresh_Volt_f32	181.097107
k_CurrDiagPrim_Cnt_Str.Threshold	171
k_CurrDiagPrim_Cnt_Str.PStep	234
k_CurrDiagPrim_Cnt_Str.NStep	201
k_CurrDiagSecErrorThresh_Volt_f32	158.549698
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	88
k_CurrDiagSec_Cnt_Str.PStep	144
k_CurrDiagSec_Cnt_Str.NStep	230
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.050999999
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	5.13140011
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-133.811996
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-185.200195
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.87
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.0500002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.888300002
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.20289993

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.2750816	20.2750835 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.4297543	18.4297543 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.70802975	8.7080307 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.0211668	2.02116752 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.52 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.421600014
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.3558006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.407999992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	24.3372002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.391000003
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.5698004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.374000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	59
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	57
k_CurrDiagLambdaMinMax_Volt_f32	15.6351004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.97970009
k_CurrDiagPrimErrorThresh_Volt_f32	181.097107
k_CurrDiagPrim_Cnt_Str.Threshold	171
k_CurrDiagPrim_Cnt_Str.PStep	234
k_CurrDiagPrim_Cnt_Str.NStep	201
k_CurrDiagSecErrorThresh_Volt_f32	158.549698
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	88
k_CurrDiagSec_Cnt_Str.PStep	144
k_CurrDiagSec_Cnt_Str.NStep	230
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0520000011
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	5.13140011
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-133.811996
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-185.200195
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.87
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.888300002
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.20289993

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.59175873	6.59175825 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.4297543	18.4297543 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.70802975	8.7080307 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.0211668	2.02116752 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.53 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-23.6571999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.421600014
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.3558006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.407999992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	24.3372002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.391000003
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.5698004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.374000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	60
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	58
k_CurrDiagLambdaMinMax_Volt_f32	15.6351004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.97970009
k_CurrDiagPrimErrorThresh_Volt_f32	181.097107
k_CurrDiagPrim_Cnt_Str.Threshold	171
k_CurrDiagPrim_Cnt_Str.PStep	234
k_CurrDiagPrim_Cnt_Str.NStep	201
k_CurrDiagSecErrorThresh_Volt_f32	158.549698
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	88
k_CurrDiagSec_Cnt_Str.PStep	144
k_CurrDiagSec_Cnt_Str.NStep	230
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0529999994
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	5.13140011
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-133.811996
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-185.200195
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.87
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.888300002
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.20289993

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.09156609	-7.09156609 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.4297543	18.4297543 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.70802975	8.7080307 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.0211668	2.02116752 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.54 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	24.3530006
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.9545002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.419999987
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	25.0529995
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.402500004

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.9394999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.38499999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	61
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	59
k_CurrDiagLambdaMinMax_Volt_f32	5.3046999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	91.7106018
k_CurrDiagPrim_Cnt_Str.Threshold	198
k_CurrDiagPrim_Cnt_Str.PStep	151
k_CurrDiagPrim_Cnt_Str.NStep	47
k_CurrDiagSecErrorThresh_Volt_f32	50.0918007
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.514699996
k_CurrDiagSec_Cnt_Str.Threshold	120
k_CurrDiagSec_Cnt_Str.PStep	68
k_CurrDiagSec_Cnt_Str.NStep	249
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0540000014
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0930000022
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.89989996
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	104.896599
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	72.9876022
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.00999999
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.755100012
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	24.3530006	24.3530006 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.92563629	9.92563629 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8340254	12.8340254 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.915483	5.915483 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	14	14	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.55 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	25.0487995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	21.5531998
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.432000011
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	25.7688007
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.414000005
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.3092003
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.395999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	62
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	60
k_CurrDiagLambdaMinMax_Volt_f32	2.12339997
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.26799989
k_CurrDiagPrimErrorThresh_Volt_f32	95.8022003
k_CurrDiagPrim_Cnt_Str.Threshold	242
k_CurrDiagPrim_Cnt_Str.PStep	175

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	57
k_CurrDiagSecErrorThresh_Volt_f32	109.191803
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	245
k_CurrDiagSec_Cnt_Str.PStep	18
k_CurrDiagSec_Cnt_Str.NStep	189
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.215000004
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0549999997
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.77330017
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-186.621201
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-1.23529994
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.1500001
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.4499998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.609399974
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.2203002

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.11409569	3.1140964 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.1595259	13.1595268 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.9796047	15.9796047 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.87962341	8.87962341 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	5	5	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.56 (Repeat Count = 1)		✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	25.7446003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.458799988
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	22.1518993
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.444000006
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	26.4846001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.425500005
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.6788998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.407000005
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	63
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	61
k_CurrDiagLambdaMinMax_Volt_f32	2.62220001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.77320004
k_CurrDiagPrimErrorThresh_Volt_f32	44.2933998
k_CurrDiagPrim_Cnt_Str.Threshold	102
k_CurrDiagPrim_Cnt_Str.PStep	250
k_CurrDiagPrim_Cnt_Str.NStep	151
k_CurrDiagSecErrorThresh_Volt_f32	150.275803
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.413899988
k_CurrDiagSec_Cnt_Str.Threshold	85
k_CurrDiagSec_Cnt_Str.PStep	217
k_CurrDiagSec_Cnt_Str.NStep	172
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.791800022
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0560000017
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.80389977
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-172.453705
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-32.9006004
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.28999996
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.5500002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.0581
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.7299128	12.7299118 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.1521988	11.1521997 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.0996561	14.0996571 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.04435205	7.04435253 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.57 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	26.4403992
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.471199989
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.456
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.2003994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.437000006
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.0486002
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.418000013
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	64
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	62
k_CurrDiagLambdaMinMax_Volt_f32	5.94890022
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	49.8344994
k_CurrDiagPrim_Cnt_Str.Threshold	207
k_CurrDiagPrim_Cnt_Str.PStep	148
k_CurrDiagPrim_Cnt_Str.NStep	123
k_CurrDiagSecErrorThresh_Volt_f32	109.184097
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	96
k_CurrDiagSec_Cnt_Str.PStep	32
k_CurrDiagSec_Cnt_Str.NStep	156
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.057		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.40280008		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-197.110596		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	136.034897		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.43000007		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.6499996		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.551999986		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.22730017		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	16.7848053	16.7848053 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-14.1513023	-14.1513014 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.7069244	15.7069225 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.55229378	8.55229187 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.58 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.1362
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.483599991
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.467999995
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.9162006
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.448500007
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.4182997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.42899999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	65
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	63
k_CurrDiagLambdaMinMax_Volt_f32	6.4368
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.72819996
k_CurrDiagPrimErrorThresh_Volt_f32	25.2296009
k_CurrDiagPrim_Cnt_Str.Threshold	50
k_CurrDiagPrim_Cnt_Str.PStep	200
k_CurrDiagPrim_Cnt_Str.NStep	131
k_CurrDiagSecErrorThresh_Volt_f32	33.0410995
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.300099999
k_CurrDiagSec_Cnt_Str.Threshold	169
k_CurrDiagSec_Cnt_Str.PStep	236
k_CurrDiagSec_Cnt_Str.NStep	70
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.565100014
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0579999983
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.75049996
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	16.2607002
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.596893
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.43000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.75
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.924799979
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.87599993

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.2287045	14.2287045 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.7006168	16.7006168 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.1896744	14.1896744 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.07917881	7.07917881 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.59 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.8320007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.495999992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	23.948
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.479999989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	28.632
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.460000008

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.7880001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.439999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	66
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	64
k_CurrDiagLambdaMinMax_Volt_f32	3.75650001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.03910017
k_CurrDiagPrimErrorThresh_Volt_f32	232.801697
k_CurrDiagPrim_Cnt_Str.Threshold	96
k_CurrDiagPrim_Cnt_Str.PStep	207
k_CurrDiagPrim_Cnt_Str.NStep	65
k_CurrDiagSecErrorThresh_Volt_f32	216.536896
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	195
k_CurrDiagSec_Cnt_Str.PStep	80
k_CurrDiagSec_Cnt_Str.NStep	202
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.954599977
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0590000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.06700003
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	143.132507
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-166.757401
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.43000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.64680004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.1641045	12.1641045 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.6498404	10.6498404 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.7332897	13.7332897 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.62841988	6.62841988 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	1	1	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.60 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.8320007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.495999992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.479999989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	28.632
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.460000008
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.7880001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.439999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	67
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	65
k_CurrDiagLambdaMinMax_Volt_f32	3.75650001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.03910017
k_CurrDiagPrimErrorThresh_Volt_f32	232.801697
k_CurrDiagPrim_Cnt_Str.Threshold	96
k_CurrDiagPrim_Cnt_Str.PStep	207

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	65
k_CurrDiagSecErrorThresh_Volt_f32	216.536896
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	195
k_CurrDiagSec_Cnt_Str.PStep	80
k_CurrDiagSec_Cnt_Str.NStep	202
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.954599977
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0599999987
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.06700003
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	143.132507
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-166.757401
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.43000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	13.9499998
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.64680004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.1641045	12.1641045 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.80312002	-1.80312002 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.7332897	13.7332897 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.62841988	6.62841988 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	2	2	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.61 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	27.8320007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.495999992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-23.948
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.479999989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	28.632
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.460000008
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.7880001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.439999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	68
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	66
k_CurrDiagLambdaMinMax_Volt_f32	3.75650001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.03910017
k_CurrDiagPrimErrorThresh_Volt_f32	232.801697
k_CurrDiagPrim_Cnt_Str.Threshold	96
k_CurrDiagPrim_Cnt_Str.PStep	207
k_CurrDiagPrim_Cnt_Str.NStep	65
k_CurrDiagSecErrorThresh_Volt_f32	216.536896
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	195
k_CurrDiagSec_Cnt_Str.PStep	80
k_CurrDiagSec_Cnt_Str.NStep	202
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.954599977
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.06700003
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	143.132507
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-166.757401
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.43000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	2.1500001
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.64680004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.1641045	12.1641045 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-14.2560806	-14.2560797 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.7332897	13.7332897 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.62841988	6.62841988 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	3	3	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.62 (Repeat Count = 1)		✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	28.5277996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.508400023
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	24.5466995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	29.3477993
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.471500009
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.1576996
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.451000005
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	69
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	67
k_CurrDiagLambdaMinMax_Volt_f32	8.88399982
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.05570006
k_CurrDiagPrimErrorThresh_Volt_f32	134.375702
k_CurrDiagPrim_Cnt_Str.Threshold	70
k_CurrDiagPrim_Cnt_Str.PStep	197
k_CurrDiagPrim_Cnt_Str.NStep	187
k_CurrDiagSecErrorThresh_Volt_f32	224.411102
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	13
k_CurrDiagSec_Cnt_Str.PStep	186
k_CurrDiagSec_Cnt_Str.NStep	238
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.34890008		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	79.9971008		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-78.0020981		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.56999993		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	2.25		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.57159996		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	10.9047318	10.9047318 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	24.5466995	24.5466995 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.3215046	11.3215065 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.31489372	4.31489325 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.63 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	29.2236004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.520799994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	25.1453991
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	30.0636005
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.48300001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.5274
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.462000012
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	70
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	68
k_CurrDiagLambdaMinMax_Volt_f32	0.929199994
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.40750003
k_CurrDiagPrimErrorThresh_Volt_f32	96.0951996
k_CurrDiagPrim_Cnt_Str.Threshold	246
k_CurrDiagPrim_Cnt_Str.PStep	243
k_CurrDiagPrim_Cnt_Str.NStep	161
k_CurrDiagSecErrorThresh_Volt_f32	16.0160999
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.855499983
k_CurrDiagSec_Cnt_Str.Threshold	22
k_CurrDiagSec_Cnt_Str.PStep	236
k_CurrDiagSec_Cnt_Str.NStep	223
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.739199996
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-6.86000013
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-159.349594
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-198.407593
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.71000004
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	2.3499999
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.95660001
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.5230999

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	13.5200224	13.5200214 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.19758606	0.197585627 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.0940781	15.0940781 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.77245045	5.77245092 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.64 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	29.9193993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.533200026
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	25.7441006
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.515999973
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	30.7793999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.494500011

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.8971004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.47299999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	71
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	69
k_CurrDiagLambdaMinMax_Volt_f32	6.44820023
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.19729996
k_CurrDiagPrimErrorThresh_Volt_f32	3.67490005
k_CurrDiagPrim_Cnt_Str.Threshold	168
k_CurrDiagPrim_Cnt_Str.PStep	164
k_CurrDiagPrim_Cnt_Str.NStep	162
k_CurrDiagSecErrorThresh_Volt_f32	238.580795
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	51
k_CurrDiagSec_Cnt_Str.PStep	123
k_CurrDiagSec_Cnt_Str.NStep	162
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.53780007
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-167.113007
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	28.4148998
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.8499999
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.4500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.377999991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	17.4045563	17.4045563 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.7874165	15.7874155 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.3703518	12.3703518 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.74677372	3.746773 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	168	168	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.65 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-0.587400019
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.545599997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.536800027
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.527999997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.505999982
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.8971004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.483999997
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	72
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	70
k_CurrDiagLambdaMinMax_Volt_f32	12.1154003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	8.53390026
k_CurrDiagPrim_Cnt_Str.Threshold	125
k_CurrDiagPrim_Cnt_Str.PStep	147

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	119
k_CurrDiagSecErrorThresh_Volt_f32	135.560196
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.845499992
k_CurrDiagSec_Cnt_Str.Threshold	96
k_CurrDiagSec_Cnt_Str.PStep	17
k_CurrDiagSec_Cnt_Str.NStep	135
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0216000006
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.102899998
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.0318999998
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	131.775101
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	164.5672
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.99000001
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.5499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.22289991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.41641283	-4.41641283 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.26901293	-4.26901293 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.8674488	-19.8674488 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.84743118	3.84743118 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	125	125	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.66 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.17480004	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.558000028	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.07360005	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.540000021	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.517499983	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	16.2667999	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.495000005	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	73	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	71	
k_CurrDiagLambdaMinMax_Volt_f32	5.87900019	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.21310043	
k_CurrDiagPrimErrorThresh_Volt_f32	230.724792	
k_CurrDiagPrim_Cnt_Str.Threshold	176	
k_CurrDiagPrim_Cnt_Str.PStep	180	
k_CurrDiagPrim_Cnt_Str.NStep	161	
k_CurrDiagSecErrorThresh_Volt_f32	178.1642	
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.114299998	
k_CurrDiagSec_Cnt_Str.Threshold	192	
k_CurrDiagSec_Cnt_Str.PStep	114	
k_CurrDiagSec_Cnt_Str.NStep	124	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.057500001
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.606700003
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	144.754105
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	34.9384003
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.13000011
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.6499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.88349998
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.44710004

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.79974413	-3.79974365 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.66851616	-3.66851592 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.9151173	11.9151173 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.30462933	5.30462885 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.67 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.7622
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.5704
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.61039996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.551999986
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.12940001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.528999984
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.6365004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.505999982
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	74
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	72
k_CurrDiagLambdaMinMax_Volt_f32	11.9798002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.53209996
k_CurrDiagPrimErrorThresh_Volt_f32	93.1610031
k_CurrDiagPrim_Cnt_Str.Threshold	183
k_CurrDiagPrim_Cnt_Str.PStep	182
k_CurrDiagPrim_Cnt_Str.NStep	153
k_CurrDiagSecErrorThresh_Volt_f32	81.0378036
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.964900017
k_CurrDiagSec_Cnt_Str.Threshold	158
k_CurrDiagSec_Cnt_Str.PStep	15
k_CurrDiagSec_Cnt_Str.NStep	40
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	6.20720005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	105.574898
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-219.722
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.26999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.75
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.93550003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.44725084	-5.44725609 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.26037121	-5.26037693 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.3343668	-5.3343668 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.180652618	0.180652201 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	32	32	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.68 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.7622
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.5704
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.61039996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.551999986
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.528999984
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.6365004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.505999982
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	75
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	73
k_CurrDiagLambdaMinMax_Volt_f32	11.9798002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.53209996
k_CurrDiagPrimErrorThresh_Volt_f32	93.1610031
k_CurrDiagPrim_Cnt_Str.Threshold	183
k_CurrDiagPrim_Cnt_Str.PStep	182
k_CurrDiagPrim_Cnt_Str.NStep	153
k_CurrDiagSecErrorThresh_Volt_f32	81.0378036
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.964900017
k_CurrDiagSec_Cnt_Str.Threshold	158
k_CurrDiagSec_Cnt_Str.PStep	15
k_CurrDiagSec_Cnt_Str.NStep	40
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	6.20720005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	105.574898
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-219.722
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.26999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.93550003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.44725609	-5.44726133 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.26037693	-5.26038218 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.33731413	-6.33731413 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.180652618	0.180652201 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	33	33	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.69 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.7622
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.5704
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.61039996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.551999986
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.12940001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.528999984

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.6365004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.505999982
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	76
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	74
k_CurrDiagLambdaMinMax_Volt_f32	11.9798002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.53209996
k_CurrDiagPrimErrorThresh_Volt_f32	93.1610031
k_CurrDiagPrim_Cnt_Str.Threshold	183
k_CurrDiagPrim_Cnt_Str.PStep	182
k_CurrDiagPrim_Cnt_Str.NStep	153
k_CurrDiagSecErrorThresh_Volt_f32	81.0378036
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.964900017
k_CurrDiagSec_Cnt_Str.Threshold	158
k_CurrDiagSec_Cnt_Str.PStep	15
k_CurrDiagSec_Cnt_Str.NStep	40
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	6.20720005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	105.574898
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-219.722
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.26999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	22.9500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.93550003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.44726181	-5.44726706 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.2603817	-5.26038742 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.34026146	-7.34026146 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.180652618	0.180652201 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	34	34	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.70 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.7622
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.582799971
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.14720011
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.56400001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.83920002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	17.0062008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.51700002
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	77
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	75
k_CurrDiagLambdaMinMax_Volt_f32	14.4403
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.23360002
k_CurrDiagPrimErrorThresh_Volt_f32	220.888306
k_CurrDiagPrim_Cnt_Str.Threshold	179
k_CurrDiagPrim_Cnt_Str.PStep	236

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	253
k_CurrDiagSecErrorThresh_Volt_f32	76.422699
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	247
k_CurrDiagSec_Cnt_Str.PStep	108
k_CurrDiagSec_Cnt_Str.NStep	47
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.41499996
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-24.2231998
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	132.086899
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.26999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.0499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.87480021

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.70623875	2.70623755 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.39423561	2.39423442 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.83920002	-2.83920002 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.44027138	3.44026947 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	28	28	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
none		0	*** No Call Expected ***	0	✔

Test Step 2.71 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.7622
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.595200002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.68400002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.575999975
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.54900002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.3759003
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.527999997
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	78
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	76
k_CurrDiagLambdaMinMax_Volt_f32	16.9575996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.20349979
k_CurrDiagPrimErrorThresh_Volt_f32	49.4110985
k_CurrDiagPrim_Cnt_Str.Threshold	186
k_CurrDiagPrim_Cnt_Str.PStep	71
k_CurrDiagPrim_Cnt_Str.NStep	216
k_CurrDiagSecErrorThresh_Volt_f32	84.0635986
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.925300002
k_CurrDiagSec_Cnt_Str.Threshold	60
k_CurrDiagSec_Cnt_Str.PStep	111
k_CurrDiagSec_Cnt_Str.NStep	230
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.264299989
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.53060007
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	87.3658981
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-155.384995
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.26999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.98099995

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.37982368	9.37982464 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.62956047	8.62956142 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.67382979	-2.67382836 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.97851324	3.97851396 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.72 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.3970003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.607599974
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.22079992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.588
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.25880003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.563499987
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.7455997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.538999975
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	79
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	77
k_CurrDiagLambdaMinMax_Volt_f32	15.1466999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.91989994
k_CurrDiagPrimErrorThresh_Volt_f32	101.291298
k_CurrDiagPrim_Cnt_Str.Threshold	35
k_CurrDiagPrim_Cnt_Str.PStep	53
k_CurrDiagPrim_Cnt_Str.NStep	98
k_CurrDiagSecErrorThresh_Volt_f32	1.3168
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	238
k_CurrDiagSec_Cnt_Str.PStep	6
k_CurrDiagSec_Cnt_Str.NStep	143
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.8441999
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	117.451599
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-191.146194
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.41000009
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.868700027
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.67709994

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.345647812	0.345642388 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.83935833	-6.83936357 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.3941307	-10.3941317 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.82734871	-1.82734966 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	83	83	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.73 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.3970003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.618700027
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.75760007
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.591199994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.9685998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.568499982
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.545700014
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	80
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	78
k_CurrDiagLambdaMinMax_Volt_f32	2.04419994
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.7428
k_CurrDiagPrimErrorThresh_Volt_f32	62.6176987
k_CurrDiagPrim_Cnt_Str.Threshold	30
k_CurrDiagPrim_Cnt_Str.PStep	161
k_CurrDiagPrim_Cnt_Str.NStep	231
k_CurrDiagSecErrorThresh_Volt_f32	162.341599
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	8
k_CurrDiagSec_Cnt_Str.PStep	141
k_CurrDiagSec_Cnt_Str.NStep	155
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.70990002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-102.677597
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	157.605392
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.54999995
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.256599993
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.18179989

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.13562202	7.1356225 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.32757616	-0.327575833 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.30607843	-3.30607867 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-15.1988201	-15.1988201 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.74 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.9869995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.29440022
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.608699977
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.67840004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.572899997

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.512499988
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	81
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	79
k_CurrDiagLambdaMinMax_Volt_f32	16.8948002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.20840001
k_CurrDiagPrimErrorThresh_Volt_f32	125.8004
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	38
k_CurrDiagPrim_Cnt_Str.NStep	157
k_CurrDiagSecErrorThresh_Volt_f32	238.976807
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	23
k_CurrDiagSec_Cnt_Str.PStep	132
k_CurrDiagSec_Cnt_Str.NStep	20
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.6795001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-182.736099
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	13.1341
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.69000006
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.4500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.9023
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.976800025

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.33820534	4.33820486 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.60346603	8.60346603 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.1042757	-12.1042757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.45391655	6.45391512 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	59	59	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.75 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.9869995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.29440022
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.608699977
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.67840004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.572899997
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.25500011
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.512499988
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	82
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	80
k_CurrDiagLambdaMinMax_Volt_f32	16.8948002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.20840001
k_CurrDiagPrimErrorThresh_Volt_f32	125.8004
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	38

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	157
k_CurrDiagSecErrorThresh_Volt_f32	238.976807
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	23
k_CurrDiagSec_Cnt_Str.PStep	132
k_CurrDiagSec_Cnt_Str.NStep	20
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0549999997
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.6795001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-182.736099
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	13.1341
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.69000006
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.5499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.9023
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.976800025

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.33820534	4.33820486 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.60346603	8.60346603 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.1042757	-12.1042757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.55927181	-7.55927229 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	60	60	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.76 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.9869995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.29440022
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.608699977
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.67840004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.572899997
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.512499988
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	83
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	81
k_CurrDiagLambdaMinMax_Volt_f32	16.8948002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.20840001
k_CurrDiagPrimErrorThresh_Volt_f32	125.8004
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	38
k_CurrDiagPrim_Cnt_Str.NStep	157
k_CurrDiagSecErrorThresh_Volt_f32	238.976807
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	23
k_CurrDiagSec_Cnt_Str.PStep	132
k_CurrDiagSec_Cnt_Str.NStep	20
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0560000017
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.6795001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-182.736099
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	13.1341
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.69000006
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.6499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.9023
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.976800025

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.33820534	4.33820486 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.60346603	8.60346603 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.1042757	-12.1042757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.65858459	-8.65858459 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	61	61	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.77 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.9869995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.29440022
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.608699977
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.67840004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.572899997
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.22550011
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.512499988
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	84
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	82
k_CurrDiagLambdaMinMax_Volt_f32	16.8948002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.20840001
k_CurrDiagPrimErrorThresh_Volt_f32	125.8004
k_CurrDiagPrim_Cnt_Str.Threshold	122
k_CurrDiagPrim_Cnt_Str.PStep	38
k_CurrDiagPrim_Cnt_Str.NStep	157
k_CurrDiagSecErrorThresh_Volt_f32	238.976807
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	23
k_CurrDiagSec_Cnt_Str.PStep	132
k_CurrDiagSec_Cnt_Str.NStep	20
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.057		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.6795001		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-182.736099		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	13.1341		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.69000006		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.75		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.9023		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.976800025		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.33820534	4.33820486 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.60346603	8.60346603 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.1042757	-12.1042757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.74351692	-9.74351597 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	62	62	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.78 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.34960008
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.83120012
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.600000024
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.38819981
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.574999988
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.8547001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	85
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	83
k_CurrDiagLambdaMinMax_Volt_f32	12.901
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.65880013
k_CurrDiagPrimErrorThresh_Volt_f32	204.578995
k_CurrDiagPrim_Cnt_Str.Threshold	175
k_CurrDiagPrim_Cnt_Str.PStep	235
k_CurrDiagPrim_Cnt_Str.NStep	158
k_CurrDiagSecErrorThresh_Volt_f32	196.754395
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.735599995
k_CurrDiagSec_Cnt_Str.Threshold	3
k_CurrDiagSec_Cnt_Str.PStep	173
k_CurrDiagSec_Cnt_Str.NStep	188
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.892199993
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0579999983
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	5.86759996
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-64.0346985
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-81.365303
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.82999992
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.40240002

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-8.34066105	-8.34065914 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.05345154	-9.05345058 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.1330595	-10.1330605 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.8547001	18.8547001 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.79 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.93700004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.629400015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.36800003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.611999989
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.09800005
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.586499989

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	19.2243996
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	86
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	84
k_CurrDiagLambdaMinMax_Volt_f32	1.64559996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.61549997
k_CurrDiagPrimErrorThresh_Volt_f32	88.8255005
k_CurrDiagPrim_Cnt_Str.Threshold	168
k_CurrDiagPrim_Cnt_Str.PStep	147
k_CurrDiagPrim_Cnt_Str.NStep	97
k_CurrDiagSecErrorThresh_Volt_f32	183.934601
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	100
k_CurrDiagSec_Cnt_Str.PStep	250
k_CurrDiagSec_Cnt_Str.NStep	189
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.551100016
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0590000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.77789974
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-83.2789001
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	104.560699
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	3.97000003
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	23.9500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.2809

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.12419271	-2.12419295 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.0898912	-3.0898912 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.96987867	-1.96987855 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.40524864	2.40524888 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.80 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.5244
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.644800007
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.90479994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.624000013
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.80779982
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.59799999
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	19.594101
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.572000027
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	87
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	85
k_CurrDiagLambdaMinMax_Volt_f32	19.8092995
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.27139997
k_CurrDiagPrimErrorThresh_Volt_f32	58.6512985
k_CurrDiagPrim_Cnt_Str.Threshold	164
k_CurrDiagPrim_Cnt_Str.PStep	224

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	52
k_CurrDiagSecErrorThresh_Volt_f32	123.167503
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	130
k_CurrDiagSec_Cnt_Str.PStep	231
k_CurrDiagSec_Cnt_Str.NStep	69
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.923099995
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0599999987
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.16029978
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-71.4386978
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	32.4370995
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.11000013
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.0499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.1699
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.6170001

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-0.742447376	-0.742446303 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.72721815	-1.7272172 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.9846964	-14.9846973 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.94464493	-2.94464469 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	35	35	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	16	16	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.81 (Repeat Count = 1)		✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.69920015
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.644800007
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.90479994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.648000002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.22739983
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.620999992
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.3334999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.593999982
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	86
k_CurrDiagLambdaMinMax_Volt_f32	10.2522001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.29460001
k_CurrDiagPrimErrorThresh_Volt_f32	114.588501
k_CurrDiagPrim_Cnt_Str.Threshold	175
k_CurrDiagPrim_Cnt_Str.PStep	45
k_CurrDiagPrim_Cnt_Str.NStep	100
k_CurrDiagSecErrorThresh_Volt_f32	152.666901
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.370700002
k_CurrDiagSec_Cnt_Str.Threshold	115
k_CurrDiagSec_Cnt_Str.PStep	109
k_CurrDiagSec_Cnt_Str.NStep	31
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.382600009
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0610000007
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-27.2872009
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	49.0124016
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.11000013
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.87992287	2.87992454 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.49316549	2.49316692 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.86943054	2.8694315 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.3452082	14.3452082 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	55	55	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 2.82 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.28660011	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.657199979	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.90479994	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.660000026	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.93719959	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.632499993	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.7031994	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.605000019	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	255	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	87	
k_CurrDiagLambdaMinMax_Volt_f32	9.26900005	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.29160023	
k_CurrDiagPrimErrorThresh_Volt_f32	157.862198	
k_CurrDiagPrim_Cnt_Str.Threshold	19	
k_CurrDiagPrim_Cnt_Str.PStep	28	
k_CurrDiagPrim_Cnt_Str.NStep	221	
k_CurrDiagSecErrorThresh_Volt_f32	73.1022034	
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.385800004	
k_CurrDiagSec_Cnt_Str.Threshold	187	
k_CurrDiagSec_Cnt_Str.PStep	185	
k_CurrDiagSec_Cnt_Str.NStep	205	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32	
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.359699994	

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.061999999		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-7.86089993		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	117.956497		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	198.462799		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.25		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.25		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.45970011		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.36941242	3.36941361 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.19610357	3.19610453 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.57896709	-6.57896614 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.37798023	5.37798166 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	34	34	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.83 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.87400007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.65990001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.44159985
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.669700027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.6470003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.6329
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	21.0729008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.609700024
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	66
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	88
k_CurrDiagLambdaMinMax_Volt_f32	3.15820003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.09280014
k_CurrDiagPrimErrorThresh_Volt_f32	15.0957003
k_CurrDiagPrim_Cnt_Str.Threshold	94
k_CurrDiagPrim_Cnt_Str.PStep	155
k_CurrDiagPrim_Cnt_Str.NStep	151
k_CurrDiagSecErrorThresh_Volt_f32	243.6996
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	204
k_CurrDiagSec_Cnt_Str.PStep	237
k_CurrDiagSec_Cnt_Str.NStep	162
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.063000001
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-3.16779995
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-176.328506
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	169.874496
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.38999987
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.04960012

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.0863485336	0.0863487795 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.0126132965	-0.0126139401 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.90733862	-5.90733862 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.29919815	6.29919815 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.84 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.46140003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.665199995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.44159985
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.671500027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-11.3568001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.641200006

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	21.4426003
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.612299979
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	32
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0
k_CurrDiagLambdaMinMax_Volt_f32	10.6099005
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.1624999
k_CurrDiagPrimErrorThresh_Volt_f32	27.2935009
k_CurrDiagPrim_Cnt_Str.Threshold	8
k_CurrDiagPrim_Cnt_Str.PStep	168
k_CurrDiagPrim_Cnt_Str.NStep	173
k_CurrDiagSecErrorThresh_Volt_f32	234.259903
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	204
k_CurrDiagSec_Cnt_Str.PStep	117
k_CurrDiagSec_Cnt_Str.NStep	60
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.064000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-2.12669992
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	34.1253014
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	181.5383
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.53000021
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.4500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.42609978

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.62036991	-1.62037039 ± 0.0625	✓
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.56801653	-1.56801748 ± 0.0625	✓
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.17303276	-7.17303324 ± 0.0625	✓
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.35472488	5.35472441 ± 0.0625	✓
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✓
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✓
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.85 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.04879999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.66960001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.44159985
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.671500027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.0665998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.643999994
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	21.8122997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.615999997
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	33
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255
k_CurrDiagLambdaMinMax_Volt_f32	9.08430004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	93.8177032
k_CurrDiagPrim_Cnt_Str.Threshold	160
k_CurrDiagPrim_Cnt_Str.PStep	149

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	140
k_CurrDiagSecErrorThresh_Volt_f32	120.334503
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	106
k_CurrDiagSec_Cnt_Str.PStep	35
k_CurrDiagSec_Cnt_Str.NStep	19
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0649999976
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-5.27400017
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-40.8450012
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-99.7120972
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.67000008
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.5499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	3.39599991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.75392389	3.75392365 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.98404217	3.98404193 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.145999	-10.145999 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.77999496	2.77999449 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	236	236	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
none		0	*** No Call Expected ***	0	✔

Test Step 2.86 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.63619995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.681999981
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.97840023
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.671500027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.7763996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.655499995
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.598699987
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.626999974
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	34
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	154
k_CurrDiagLambdaMinMax_Volt_f32	7.61009979
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.07990003
k_CurrDiagPrimErrorThresh_Volt_f32	8.4545002
k_CurrDiagPrim_Cnt_Str.Threshold	135
k_CurrDiagPrim_Cnt_Str.PStep	131
k_CurrDiagPrim_Cnt_Str.NStep	194
k_CurrDiagSecErrorThresh_Volt_f32	57.4068985
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	35
k_CurrDiagSec_Cnt_Str.PStep	55
k_CurrDiagSec_Cnt_Str.NStep	202
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.510900021
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0659999996
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.57299995
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-189.669601
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-198.496201
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.80999994
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.6499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.97550011

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.61839962	-7.61839962 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.40258646	-7.40258646 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.586950302	0.586950779 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.54821682	4.54821777 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.87 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-8.22360039
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.694400012
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.51520014
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.671500027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-13.4862003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.666999996
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.19739997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.638000011
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	35
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	13
k_CurrDiagLambdaMinMax_Volt_f32	0
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.36219978
k_CurrDiagPrimErrorThresh_Volt_f32	157.228806
k_CurrDiagPrim_Cnt_Str.Threshold	116
k_CurrDiagPrim_Cnt_Str.PStep	202
k_CurrDiagPrim_Cnt_Str.NStep	20
k_CurrDiagSecErrorThresh_Volt_f32	189.613495
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.749100029
k_CurrDiagSec_Cnt_Str.Threshold	236
k_CurrDiagSec_Cnt_Str.PStep	212
k_CurrDiagSec_Cnt_Str.NStep	98
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0670000017
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0879999995
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.38439989
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	137.698502
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	31.3992996
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.94999981
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.75
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.672100008
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.80679989

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.5131321	-2.5131321 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.46874285	-2.46874309 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.49090481	-4.49090481 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.433458805	-0.433458805 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	15	15	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.88 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-8.81099987
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.706799984
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.05200005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.684000015
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.7763996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.678499997
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.79610002
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.648999989
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	36
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	14
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.05190003
k_CurrDiagPrimErrorThresh_Volt_f32	79.9145966
k_CurrDiagPrim_Cnt_Str.Threshold	181
k_CurrDiagPrim_Cnt_Str.PStep	47
k_CurrDiagPrim_Cnt_Str.NStep	239
k_CurrDiagSecErrorThresh_Volt_f32	9.78450012
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.520699978
k_CurrDiagSec_Cnt_Str.Threshold	173
k_CurrDiagSec_Cnt_Str.PStep	224
k_CurrDiagSec_Cnt_Str.NStep	25
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.237800002
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0680000037
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0879999995
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.381599993
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	146.848404
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-155.729202
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.94999981
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.5526152	11.5526152 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.1355686	11.1355677 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.2391329	-10.2391357 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.49536324	-6.4953661 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.89 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.39840031
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.719200015
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.58880043
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.69599998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.7763996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.689999998

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.39479995
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.660000026
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	37
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	15
k_CurrDiagLambdaMinMax_Volt_f32	3.25
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.02289999
k_CurrDiagPrimErrorThresh_Volt_f32	67.6437988
k_CurrDiagPrim_Cnt_Str.Threshold	9
k_CurrDiagPrim_Cnt_Str.PStep	0
k_CurrDiagPrim_Cnt_Str.NStep	222
k_CurrDiagSecErrorThresh_Volt_f32	8.71140003
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	68
k_CurrDiagSec_Cnt_Str.PStep	201
k_CurrDiagSec_Cnt_Str.NStep	102
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0689999983
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0879999995
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.33519983
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	94.8238983
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	193.419693
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	4.94999981
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	24.9500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.63929987

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.27704811	-4.27705002 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.19613504	-4.19613647 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.20318413	-6.20318413 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.95923209	-2.95923209 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.90 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.98579979
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.731599987
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.12559986
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.708000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.1960001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.701499999
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-2.99349999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.671000004
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	38
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	16
k_CurrDiagLambdaMinMax_Volt_f32	16.9780006
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.63930011
k_CurrDiagPrimErrorThresh_Volt_f32	5.65840006
k_CurrDiagPrim_Cnt_Str.Threshold	56
k_CurrDiagPrim_Cnt_Str.PStep	131

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	197
k_CurrDiagSecErrorThresh_Volt_f32	49.1733017
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.83859998
k_CurrDiagSec_Cnt_Str.Threshold	94
k_CurrDiagSec_Cnt_Str.PStep	213
k_CurrDiagSec_Cnt_Str.NStep	86
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0700000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.11560011
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-143.940796
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-134.629593
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.09000015
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.0499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.720000029
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.37820005

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	9.7409153	9.74091625 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	9.35574818	9.35574913 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.1475735	-16.1475735 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-12.3771	-12.377099 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	56	56	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.91 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.5732002
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.738600016
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.66240025
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.712300003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-15.6155996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.707799971
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.59220004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.676900029
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	39
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	17
k_CurrDiagLambdaMinMax_Volt_f32	0.59009999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.4526
k_CurrDiagPrimErrorThresh_Volt_f32	221.319794
k_CurrDiagPrim_Cnt_Str.Threshold	213
k_CurrDiagPrim_Cnt_Str.PStep	75
k_CurrDiagPrim_Cnt_Str.NStep	98
k_CurrDiagSecErrorThresh_Volt_f32	51.3726997
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	34
k_CurrDiagSec_Cnt_Str.PStep	136
k_CurrDiagSec_Cnt_Str.NStep	108
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0710000023
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.980199993
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	75.5554962
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	207.263397
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.23000002
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.743600011
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.05060005

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.19968224	-3.19968224 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.20020103	-3.2002008 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.98055172	-4.98055124 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.56007838	-1.5600785 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.92 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-11.1605997	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.74119997	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10.1991997	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.768700004	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.0352001	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.712800026	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.19089985	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.680499971	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	40	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	18	
k_CurrDiagLambdaMinMax_Volt_f32	9.13700008	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.47489977	
k_CurrDiagPrimErrorThresh_Volt_f32	34.2827988	
k_CurrDiagPrim_Cnt_Str.Threshold	115	
k_CurrDiagPrim_Cnt_Str.PStep	108	
k_CurrDiagPrim_Cnt_Str.NStep	64	
k_CurrDiagSecErrorThresh_Volt_f32	223.081802	
k_CurrDiagSecTrqLmtThresh_Uls_f32	1	
k_CurrDiagSec_Cnt_Str.Threshold	139	
k_CurrDiagSec_Cnt_Str.PStep	90	
k_CurrDiagSec_Cnt_Str.NStep	43	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32	
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0451210923	

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0719999969		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-2.1415		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	218.397598		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	88.5361023		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.36999989		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.25		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.85410023		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.66070747	-9.66070747 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.38268661	-9.38268661 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-11.4053631	-11.4053631 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.55672073	-7.55672121 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.93 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-11.7480001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.744000018
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10.7360001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.720000029
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.1960001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.717800021
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.7895999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.681999981
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	41
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	19
k_CurrDiagLambdaMinMax_Volt_f32	9.53470039
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	78.3648987
k_CurrDiagPrim_Cnt_Str.Threshold	109
k_CurrDiagPrim_Cnt_Str.PStep	79
k_CurrDiagPrim_Cnt_Str.NStep	113
k_CurrDiagSecErrorThresh_Volt_f32	35.844799
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	99
k_CurrDiagSec_Cnt_Str.PStep	212
k_CurrDiagSec_Cnt_Str.NStep	217
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.845000029
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0250000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.02589989
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-105.934799
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-98.6990967
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.51000023
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.533500016
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.51910019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.101305	-10.101305 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-9.87106419	-9.87106419 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.8501186	-10.8501186 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.02575874	-8.02575779 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.94 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.3353996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.756399989
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-11.2728004
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.731999993
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.9057999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.722800016

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.38829994
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.693000019
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	42
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	20
k_CurrDiagLambdaMinMax_Volt_f32	7.66349983
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.34350002
k_CurrDiagPrimErrorThresh_Volt_f32	163.767502
k_CurrDiagPrim_Cnt_Str.Threshold	117
k_CurrDiagPrim_Cnt_Str.PStep	197
k_CurrDiagPrim_Cnt_Str.NStep	175
k_CurrDiagSecErrorThresh_Volt_f32	37.4477005
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	15
k_CurrDiagSec_Cnt_Str.PStep	133
k_CurrDiagSec_Cnt_Str.NStep	65
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.608799994
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.73950005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	85.918602
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-29.0541
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.6500001
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.4500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-8.80157471	-8.80157471 ± 0.0625	✓
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.63079262	-8.63079262 ± 0.0625	✓
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.40728951	1.40728998 ± 0.0625	✓
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.65659714	3.65659738 ± 0.0625	✓
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✓
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✓
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✓

Test Step 2.95 (Repeat Count = 1)	✓

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.9228001
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.76880002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-11.8095999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.744000018
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-15.6155996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.727800012
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.98699999
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.703999996
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	43
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	21
k_CurrDiagLambdaMinMax_Volt_f32	13.9989004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.99289989
k_CurrDiagPrimErrorThresh_Volt_f32	242.926102
k_CurrDiagPrim_Cnt_Str.Threshold	41
k_CurrDiagPrim_Cnt_Str.PStep	50

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	242
k_CurrDiagSecErrorThresh_Volt_f32	191.275803
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	30
k_CurrDiagSec_Cnt_Str.PStep	67
k_CurrDiagSec_Cnt_Str.NStep	36
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0549999997
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-5.81610012
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	172.477402
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	108.130096
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.78999996
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.5499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.908599973
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-12.9665203	-12.9665203 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-12.68013	-12.680131 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.4389658	-14.4389658 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-11.6273775	-11.6273775 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.96 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-13.5101995
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.781199992
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-12.3464003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.755999982
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.3253994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.7245
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.58570004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.714999974
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	44
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	22
k_CurrDiagLambdaMinMax_Volt_f32	17.7653999
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.09520006
k_CurrDiagPrimErrorThresh_Volt_f32	50.4140015
k_CurrDiagPrim_Cnt_Str.Threshold	152
k_CurrDiagPrim_Cnt_Str.PStep	239
k_CurrDiagPrim_Cnt_Str.NStep	228
k_CurrDiagSecErrorThresh_Volt_f32	53.9435997
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.772700012
k_CurrDiagSec_Cnt_Str.Threshold	170
k_CurrDiagSec_Cnt_Str.PStep	9
k_CurrDiagSec_Cnt_Str.NStep	220
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.00499999989
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.380299985
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-116.6185
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-156.592804
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	5.92999983
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.6499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.296499997
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.06899834	2.068995 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.85041046	1.8504076 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.368679	-17.368679 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-14.5791855	-14.5791855 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.97 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.0976
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.793600023
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-12.8831997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.768000007
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.0352001
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.736000001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.18440008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.726000011
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	45
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	23
k_CurrDiagLambdaMinMax_Volt_f32	10.3353996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.08640003
k_CurrDiagPrimErrorThresh_Volt_f32	100.871696
k_CurrDiagPrim_Cnt_Str.Threshold	216
k_CurrDiagPrim_Cnt_Str.PStep	96
k_CurrDiagPrim_Cnt_Str.NStep	207
k_CurrDiagSecErrorThresh_Volt_f32	105.296303
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.287
k_CurrDiagSec_Cnt_Str.Threshold	15
k_CurrDiagSec_Cnt_Str.PStep	104
k_CurrDiagSec_Cnt_Str.NStep	128
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0590999983
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.43230009
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-180.884094
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	169.524796
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.07000017
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.75
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.91899991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.29242802	5.29242897 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.94868469	4.94868469 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.72480011	-9.72480202 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.1250062	-7.12500858 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.98 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-14.6850004
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.805999994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-13.4200001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.779999971
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.7450008
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.747500002
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.78310013
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.736999989
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	46
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	24
k_CurrDiagLambdaMinMax_Volt_f32	14.4540005
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.26869988
k_CurrDiagPrimErrorThresh_Volt_f32	197.2966
k_CurrDiagPrim_Cnt_Str.Threshold	229
k_CurrDiagPrim_Cnt_Str.PStep	4
k_CurrDiagPrim_Cnt_Str.NStep	249
k_CurrDiagSecErrorThresh_Volt_f32	201.732498
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	53
k_CurrDiagSec_Cnt_Str.PStep	46
k_CurrDiagSec_Cnt_Str.NStep	90
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0581
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.00749999983
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	0.221599996
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	133.009995
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-203.987305
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.21000004
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.268000007
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.10680008

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.45795155	1.45794725 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.21551132	1.21550703 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-15.2849779	-15.2849779 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-12.6995535	-12.6995535 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.99 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-15.2723999
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.809599996
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-13.9568005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.780900002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-18.4547997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.749100029

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.3817997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.739899993
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	47
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	25
k_CurrDiagLambdaMinMax_Volt_f32	13.2993002
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.50460005
k_CurrDiagPrimErrorThresh_Volt_f32	152.939896
k_CurrDiagPrim_Cnt_Str.Threshold	7
k_CurrDiagPrim_Cnt_Str.PStep	96
k_CurrDiagPrim_Cnt_Str.NStep	44
k_CurrDiagSecErrorThresh_Volt_f32	149.253098
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	113
k_CurrDiagSec_Cnt_Str.PStep	95
k_CurrDiagSec_Cnt_Str.NStep	233
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0571000017
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-207.276993
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	176.964096
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.3499999
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	25.9500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.166899994
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	6.46169996

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.85924911	7.85924816 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.32748795	7.32748842 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.0228577	-10.0228624 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.50642681	-7.5064311 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	3	3	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.100 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-15.8598003
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.814599991
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-14.4935999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.789099991
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.1646004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.752799988
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.98050022
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.742500007
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	48
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	26
k_CurrDiagLambdaMinMax_Volt_f32	8.09759998
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.29819965
k_CurrDiagPrimErrorThresh_Volt_f32	100.318604
k_CurrDiagPrim_Cnt_Str.Threshold	176
k_CurrDiagPrim_Cnt_Str.PStep	229

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	44
k_CurrDiagSecErrorThresh_Volt_f32	145.266296
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.720399976
k_CurrDiagSec_Cnt_Str.Threshold	165
k_CurrDiagSec_Cnt_Str.PStep	175
k_CurrDiagSec_Cnt_Str.NStep	151
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.173999995
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0560999997
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	84.3350983
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-207.948196
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.48999977
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.0499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.72969997

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.65589905	3.65589809 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.33311558	3.33311582 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.8333626	-10.8333626 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.3249464	-8.3249464 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	4	4	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.101 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-16.4472008
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.818400025
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-15.0304003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.791999996
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.8743992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.759000003
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-20.9545002
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.745100021
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	49
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	27
k_CurrDiagLambdaMinMax_Volt_f32	16.8876991
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.26319981
k_CurrDiagPrimErrorThresh_Volt_f32	172.069702
k_CurrDiagPrim_Cnt_Str.Threshold	183
k_CurrDiagPrim_Cnt_Str.PStep	61
k_CurrDiagPrim_Cnt_Str.NStep	84
k_CurrDiagSecErrorThresh_Volt_f32	249.314194
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	129
k_CurrDiagSec_Cnt_Str.PStep	200
k_CurrDiagSec_Cnt_Str.NStep	108
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0551000014
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	4.4000001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-63.5671997
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-31.5995007
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.63000011
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.46509981

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.09786606	8.09786034 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.60078335	7.60077858 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.6074944	-17.6074944 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-17.9243259	-17.9243279 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.102 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.0345993
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.830799997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-15.5671997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.80400002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-20.5841999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.770500004
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-21.5531998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.747699976
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	50
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	28
k_CurrDiagLambdaMinMax_Volt_f32	4.40010023
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.38080001
k_CurrDiagPrimErrorThresh_Volt_f32	136.717102
k_CurrDiagPrim_Cnt_Str.Threshold	17
k_CurrDiagPrim_Cnt_Str.PStep	111
k_CurrDiagPrim_Cnt_Str.NStep	154
k_CurrDiagSecErrorThresh_Volt_f32	84.4705963
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.0644000024
k_CurrDiagSec_Cnt_Str.Threshold	243
k_CurrDiagSec_Cnt_Str.PStep	82
k_CurrDiagSec_Cnt_Str.NStep	133
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.978600025

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0540999994
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.0830999985
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	0
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-64.2248001
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-188.794098
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.76999998
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.22860003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.773349762	0.773348749 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.486509323	0.486509204 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-8.11435127	-8.11435127 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.72782803	-8.72782707 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.103 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-17.6219997
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.843200028
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-16.1040001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.815999985
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-21.2940006
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.782000005
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-22.1518993
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.75029999
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	51
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	29
k_CurrDiagLambdaMinMax_Volt_f32	19.9029007
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	189.3853
k_CurrDiagPrim_Cnt_Str.Threshold	105
k_CurrDiagPrim_Cnt_Str.PStep	87
k_CurrDiagPrim_Cnt_Str.NStep	252
k_CurrDiagSecErrorThresh_Volt_f32	121.413696
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.368400007
k_CurrDiagSec_Cnt_Str.Threshold	66
k_CurrDiagSec_Cnt_Str.PStep	104
k_CurrDiagSec_Cnt_Str.NStep	226
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.877900004
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0531000011
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.4000001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	30.5291996
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-198.827194
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	6.90999985
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.0286999997
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.06639957

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.5452557	-19.5452557 ± 0.0625	✓
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-19.2039032	-19.2039032 ± 0.0625	✓
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-20.2061596	-20.2061596 ± 0.0625	✓
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-20.4644756	-20.4644756 ± 0.0625	✓
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✓
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✓
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.104 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-18.2094002
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.855599999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-16.6408005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.828000009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-22.0037994
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.793500006

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-22.7506008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.759000003
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	52
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	30
k_CurrDiagLambdaMinMax_Volt_f32	1.21200001
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.87739992
k_CurrDiagPrimErrorThresh_Volt_f32	238.611893
k_CurrDiagPrim_Cnt_Str.Threshold	32
k_CurrDiagPrim_Cnt_Str.PStep	153
k_CurrDiagPrim_Cnt_Str.NStep	233
k_CurrDiagSecErrorThresh_Volt_f32	175.410294
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	88
k_CurrDiagSec_Cnt_Str.PStep	117
k_CurrDiagSec_Cnt_Str.NStep	125
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0601999983
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.052099999
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.00730000017
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.24720001
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-184.689301
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.05000019
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.4500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.65579987

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-1.5924511	-1.59245014 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.85868168	-1.85868156 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.50550652	-5.50550652 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.40280342	-6.40280247 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.105 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-18.7968006
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.867999971
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-17.1776009
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.839999974
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-22.7136002
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.805000007
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-23.3493004
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.769999981
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	53
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	31
k_CurrDiagLambdaMinMax_Volt_f32	4.01940012
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.57070005
k_CurrDiagPrimErrorThresh_Volt_f32	81.0507965
k_CurrDiagPrim_Cnt_Str.Threshold	236
k_CurrDiagPrim_Cnt_Str.PStep	148

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	215
k_CurrDiagSecErrorThresh_Volt_f32	130.755096
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.127000004
k_CurrDiagSec_Cnt_Str.Threshold	58
k_CurrDiagSec_Cnt_Str.PStep	16
k_CurrDiagSec_Cnt_Str.NStep	134
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0511000007
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.21619987
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-206.781204
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.19000006
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.5499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.31640005

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.97001743	-5.97001696 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.12471199	-6.12471199 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.66476822	-7.66476917 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-8.46527672	-8.46527672 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.106 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.3841991
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.880400002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-17.7143993
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.851999998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-23.4234009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.816500008
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-23.948
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.781000018
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	54
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	32
k_CurrDiagLambdaMinMax_Volt_f32	1.83019996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	2.94039989
k_CurrDiagPrim_Cnt_Str.Threshold	34
k_CurrDiagPrim_Cnt_Str.PStep	79
k_CurrDiagPrim_Cnt_Str.NStep	29
k_CurrDiagSecErrorThresh_Volt_f32	85.2795029
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.522099972
k_CurrDiagSec_Cnt_Str.Threshold	146
k_CurrDiagSec_Cnt_Str.PStep	238
k_CurrDiagSec_Cnt_Str.NStep	14
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0500999987
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	3.97040009
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	53.2459984
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-118.783699
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.32999992
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.6499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-0.969390869	-0.969391465	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-1.31628799	-1.31628716	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.79255295	-5.79255199 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-6.67399788	-6.67399836 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	34	34	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	18	18	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.107 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-19.9715996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.892799973
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-18.2511997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.864000022
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-24.1331997
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.828000009
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-24.5466995
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.791999996
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	55
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	33
k_CurrDiagLambdaMinMax_Volt_f32	9.38599968
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	116.965202
k_CurrDiagPrim_Cnt_Str.Threshold	93
k_CurrDiagPrim_Cnt_Str.PStep	76
k_CurrDiagPrim_Cnt_Str.NStep	141
k_CurrDiagSecErrorThresh_Volt_f32	242.342194
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	66
k_CurrDiagSec_Cnt_Str.PStep	118
k_CurrDiagSec_Cnt_Str.NStep	251
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.38530001

Name	Input Value		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0491000004		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.16190004		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	0		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	185.996506		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.46999979		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.75		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.61330009		
Name	**Actual Value**	**Expected Value**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-3.37870598	-3.37870049 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-3.67998314	-3.67998099 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.62069702	3.6206975 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.32799911	2.3279984 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 2.108 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-20.559
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.905200005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-18.7880001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.875999987
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-24.8430004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.83950001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-25.1453991
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.802999973
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	56
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	34
k_CurrDiagLambdaMinMax_Volt_f32	8.69149971
k_CurrDiagMtrEnvTblMax_MtrNm_f32	3.32270002
k_CurrDiagPrimErrorThresh_Volt_f32	182.872894
k_CurrDiagPrim_Cnt_Str.Threshold	9
k_CurrDiagPrim_Cnt_Str.PStep	59
k_CurrDiagPrim_Cnt_Str.NStep	38
k_CurrDiagSecErrorThresh_Volt_f32	7.30900002
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	253
k_CurrDiagSec_Cnt_Str.PStep	232
k_CurrDiagSec_Cnt_Str.NStep	90
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.102799997
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0480999984
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.08720005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-103.371101
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	73.5254974
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.61000013
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.8500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	4.76230001

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	5.9185524	5.9185524	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.28404045	5.2840414	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-7.12909126	-7.12909174	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.9588356	-7.95883512	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	18	18	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 2.109 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-21.1464005
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.917599976
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-19.3248005
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.888000011
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-25.5527992
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.851000011

Name	Input Value
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-25.7441006
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.81400001
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	57
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	35
k_CurrDiagLambdaMinMax_Volt_f32	17.0440006
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.28919983
k_CurrDiagPrimErrorThresh_Volt_f32	126.015503
k_CurrDiagPrim_Cnt_Str.Threshold	34
k_CurrDiagPrim_Cnt_Str.PStep	104
k_CurrDiagPrim_Cnt_Str.NStep	140
k_CurrDiagSecErrorThresh_Volt_f32	113.755898
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.467200011
k_CurrDiagSec_Cnt_Str.Threshold	153
k_CurrDiagSec_Cnt_Str.PStep	38
k_CurrDiagSec_Cnt_Str.NStep	190
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0471000001
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	5.62099981
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	123.5103
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.75
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	26.9500008
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.481900007
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✓
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-6.96796799	-6.96797657 ± 0.0625	✓
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-7.22131729	-7.22132587 ± 0.0625	✓
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-18.3118114	-18.3118114 ± 0.0625	✓
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-18.66222	-18.6622181 ± 0.0625	✓
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✓
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✓
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.110 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.08739996
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0372000001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.79610002
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0359999985
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.1473999
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0344999991
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.10909998
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0329999998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	58
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	36
k_CurrDiagLambdaMinMax_Volt_f32	12.3964996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	2.40400004
k_CurrDiagPrimErrorThresh_Volt_f32	46.5528984
k_CurrDiagPrim_Cnt_Str.Threshold	236
k_CurrDiagPrim_Cnt_Str.PStep	233

Name	Input Value
k_CurrDiagPrim_Cnt_Str.NStep	246
k_CurrDiagSecErrorThresh_Volt_f32	5.93599987
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	200
k_CurrDiagSec_Cnt_Str.PStep	162
k_CurrDiagSec_Cnt_Str.NStep	61
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0461000018
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	7.40129995
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-90.3571014
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	7.88999987
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	27.0499992
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.79200006

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.47089839	2.47089863 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.17771435	2.17771435 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	1.97771668	1.97771657 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.98105824	0.981058061 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.111 (Repeat Count = 1)	✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.87400007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.65990001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	14.3970003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.669700027
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.6470003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.6329
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	21.0729008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.609700024
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	59
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	37
k_CurrDiagLambdaMinMax_Volt_f32	12.2580004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.26670003
k_CurrDiagPrimErrorThresh_Volt_f32	15.3579998
k_CurrDiagPrim_Cnt_Str.Threshold	253
k_CurrDiagPrim_Cnt_Str.PStep	126
k_CurrDiagPrim_Cnt_Str.NStep	84
k_CurrDiagSecErrorThresh_Volt_f32	181.145798
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	225
k_CurrDiagSec_Cnt_Str.PStep	186
k_CurrDiagSec_Cnt_Str.NStep	42
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.474400014
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	47.1259003
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	110.25
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	8.02999973
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	27.1499996
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.12150002

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-2.35628915	-2.35628891 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	4.39146233	4.3914628 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.84957504	3.84957457 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.6984558	15.6984558 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 2.112 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.87400007
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.522199988
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.3970003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.544099987
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.64700031
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.254799992
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	22.0729008
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.333299994
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	60
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	38
k_CurrDiagLambdaMinMax_Volt_f32	13.2580004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1.10749996
k_CurrDiagPrimErrorThresh_Volt_f32	211.753998
k_CurrDiagPrim_Cnt_Str.Threshold	111
k_CurrDiagPrim_Cnt_Str.PStep	224
k_CurrDiagPrim_Cnt_Str.NStep	23
k_CurrDiagSecErrorThresh_Volt_f32	147.328705
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	149
k_CurrDiagSec_Cnt_Str.PStep	65
k_CurrDiagSec_Cnt_Str.NStep	215
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741

Name	Input Value
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	2.55430007
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	16.9717999
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	0
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	8.17000008
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	27.25
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.665700018
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.95430005

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.971823692	0.971820533 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.4585342	10.4585314 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-10.5670834	-10.5670824 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.2971115	10.2971106 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	37	37	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 2.113 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.6118002
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.260399997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	12.5726995
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.252000004
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	15.0318003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.241500005
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.76370001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.063699998
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	61
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	39
k_CurrDiagLambdaMinMax_Volt_f32	14.2580004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	7.34880018
k_CurrDiagPrimErrorThresh_Volt_f32	176.944397
k_CurrDiagPrim_Cnt_Str.Threshold	94
k_CurrDiagPrim_Cnt_Str.PStep	5
k_CurrDiagPrim_Cnt_Str.NStep	41
k_CurrDiagSecErrorThresh_Volt_f32	138.155701
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.269800007
k_CurrDiagSec_Cnt_Str.Threshold	173
k_CurrDiagSec_Cnt_Str.PStep	238
k_CurrDiagSec_Cnt_Str.NStep	102
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.664799988
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-3.97280002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	145.736298
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-110.25
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	8.31000042
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	27.3500004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.32960033

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	7.09410429	7.09410429 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.81136322	5.8113637 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.8449278	14.8449268 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.17738724	8.17738724 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	20	20	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Case 3: Path Test ✓

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

CPU Cycles:
TS3.1 2105.00 Cycles
TS3.2 2009.00 Cycles
TS3.3 2008.00 Cycles
TS3.4 1971.00 Cycles
TS3.5 1944.00 Cycles
TS3.6 1941.00 Cycles
TS3.7 1947.00 Cycles
TS3.8 1944.00 Cycles
TS3.9 1934.00 Cycles
TS3.10 1500.00 Cycles
TS3.11 1521.00 Cycles
```

Description
Vector Description:
TS3.1"DervLambdaAlphaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaAlphaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>True,
DervLambdaBetaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaBetaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32)==>True,
((Min_m(TrqLimitMinRatio_Uls_T_f32,OutputRampMult_Uls_T_f32)) < k_CurrDiagSecTrqLmtThresh_Uls_f32)==>True,
(((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) > k_CurrDiagPrimErrorThresh_Volt_f32)==>F ||
(AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)> k_CurrDiagPrimErrorThresh_Volt_f32)==>F),
 TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,
k_CurrDiagPrim_Cnt_Str)==>False,
 ((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32)==>F ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32))==>T &&
(TrqLmtFlag_Cnt_T_lgc ==TRUE)==>T),
 TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 = DiagPStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str)==>False,
 (DiagFailed_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str) ==TRUE)==>True,
 (CurrReasFltActive_Cnt_T_u8 > D_ZERO_CNT_U8) ==>True,
 MtrCurrIdptSig_Cnt_T_u08 = Limit_m(MtrCurrIdptSig_Cnt_T_u08, D_ZERO_CNT_U8, D_TWO_CNT_U08);==>False"
TS3.2"((Min_m(TrqLimitMinRatio_Uls_T_f32,OutputRampMult_Uls_T_f32)) < k_CurrDiagSecTrqLmtThresh_Uls_f32)==>Flase
((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32)==>False ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32))==>True &&(TrqLmtFlag_Cnt_T_lgc ==TRUE)==>False
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str);==>Flase
(CurrReasFltActive_Cnt_T_u8 > D_ZERO_CNT_U8)==>False
((TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 == D_ZERO_CNT_U16)==>True && (TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 ==
D_ZERO_CNT_U16))==>True"
TS3.3"DervLambdaAlphaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaAlphaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32);==>False
(((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) > k_CurrDiagPrimErrorThresh_Volt_f32)==>True ||
(AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)> k_CurrDiagPrimErrorThresh_Volt_f32)==>True
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagPStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,
k_CurrDiagPrim_Cnt_Str);==>False
(DiagFailed_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,k_CurrDiagPrim_Cnt_Str) ==TRUE)==>True"
TS3.4"DervLambdaBetaDiagLmtd_Volt_T_f32 = Limit_m(DervLambdaBetaDiag_Volt_T_f32, -k_CurrDiagLambdaMinMax_Volt_f32,
k_CurrDiagLambdaMinMax_Volt_f32);==>False
((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32)==>False ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32)&&(TrqLmtFlag_Cnt_T_lgc ==TRUE))==>True"
TS3.5((Min_m(TrqLimitMinRatio_Uls_T_f32,OutputRampMult_Uls_T_f32)) < k_CurrDiagSecTrqLmtThresh_Uls_f32)==>False
TS3.6"TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagNStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,
k_CurrDiagPrim_Cnt_Str);==>True
 ((TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 == D_ZERO_CNT_U16)==>False && (TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 ==
D_ZERO_CNT_U16))==>True"
TS3.7"TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 = DiagPStep_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,
k_CurrDiagPrim_Cnt_Str);==>True
(DiagFailed_m(TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16,k_CurrDiagPrim_Cnt_Str) ==TRUE)==>False"
TS3.8"TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 =
DiagNStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str);==>True
((TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16 == D_ZERO_CNT_U16)==>True && (TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 ==
D_ZERO_CNT_U16))==>False"
TS3.9((((Abs_f32_m(DervLambdaAlphaDiagSecFilt_Volt_T_f32)) > k_CurrDiagSecErrorThresh_Volt_f32)==>True ||
(AbsDervLambdaBetaDiagSecFilt_Volt_T_f32 > k_CurrDiagSecErrorThresh_Volt_f32)) ==>True&&(TrqLmtFlag_Cnt_T_lgc ==TRUE))==>True
TS3.10"TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 =
DiagPStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str)==>True
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16 = DiagPStep_m(TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16,k_CurrDiagSec_Cnt_Str)==>False"
TS3.11(((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) > k_CurrDiagPrimErrorThresh_Volt_f32)==>False ||
((AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)> (((Abs_f32_m(DervLambdaAlphaDiagPrimFilt_Volt_T_f32)) >
k_CurrDiagPrimErrorThresh_Volt_f32)==>False ||((AbsDervLambdaBetaDiagPrimFilt_Volt_T_f32)>
k_CurrDiagPrimErrorThresh_Volt_f32))==>True

Test Step 3.1 (Repeat Count = 1) ✓

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	255
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1
k_CurrDiagPrimErrorThresh_Volt_f32	250

Name	Input Value
k_CurrDiagPrim_Cnt_Str.Threshold	255
k_CurrDiagPrim_Cnt_Str.PStep	255
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	12
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	255
k_CurrDiagSec_Cnt_Str.PStep	255
k_CurrDiagSec_Cnt_Str.NStep	255
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	0
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	0
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0.200000003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10	-10 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255	255	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 3.2 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	255
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1
k_CurrDiagPrimErrorThresh_Volt_f32	250
k_CurrDiagPrim_Cnt_Str.Threshold	255
k_CurrDiagPrim_Cnt_Str.PStep	255
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	12
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	255
k_CurrDiagSec_Cnt_Str.PStep	255
k_CurrDiagSec_Cnt_Str.NStep	255
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	0
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	0
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-10	-10 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	20.4753532	20.4753532 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 3.3 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0
k_CurrDiagLambdaMinMax_Volt_f32	0
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1
k_CurrDiagPrimErrorThresh_Volt_f32	0
k_CurrDiagPrim_Cnt_Str.Threshold	0
k_CurrDiagPrim_Cnt_Str.PStep	0
k_CurrDiagPrim_Cnt_Str.NStep	0
k_CurrDiagSecErrorThresh_Volt_f32	0
k_CurrDiagSecTrqLmtThresh_Uls_f32	0
k_CurrDiagSec_Cnt_Str.Threshold	0
k_CurrDiagSec_Cnt_Str.PStep	0
k_CurrDiagSec_Cnt_Str.NStep	0
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.0250000004
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.00499999989
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-31
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	0

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-31	-31 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 3.4 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	31
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.956786096
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	255
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	255
k_CurrDiagLambdaMinMax_Volt_f32	20
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	250
k_CurrDiagPrim_Cnt_Str.Threshold	255
k_CurrDiagPrim_Cnt_Str.PStep	255
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	250
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	255
k_CurrDiagSec_Cnt_Str.PStep	255
k_CurrDiagSec_Cnt_Str.NStep	255
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	31
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	31

Name	Input Value		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	8.80000019		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	8.09439468	8.09439373 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	8.09439468	8.09439373 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-4.78488541	-4.78488684 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	-4.78488541	-4.78488684 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 3.5 (Repeat Count = 1)				✔

Name	Input Value		
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg		
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.695800006		
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0124000004		
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.598699987		
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0120000001		
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.715799987		
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0115		
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.369700015		
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0109999999		
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	16		
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	14		
k_CurrDiagLambdaMinMax_Volt_f32	2.72390008		
k_CurrDiagMtrEnvTblMax_MtrNm_f32	1		
k_CurrDiagPrimErrorThresh_Volt_f32	43.7410011		
k_CurrDiagPrim_Cnt_Str.Threshold	22		
k_CurrDiagPrim_Cnt_Str.PStep	80		
k_CurrDiagPrim_Cnt_Str.NStep	166		
k_CurrDiagSecErrorThresh_Volt_f32	58.0890007		
k_CurrDiagSecTrqLmtThresh_Uls_f32	1		
k_CurrDiagSec_Cnt_Str.Threshold	43		
k_CurrDiagSec_Cnt_Str.PStep	46		
k_CurrDiagSec_Cnt_Str.NStep	17		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32		
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32		
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741		
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003		
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004		
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.80000019		
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-19.8666992		
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	57.9738998		
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-14.4499998		
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.1199999		
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.973100007		
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.04570007		

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.653395712	0.653395712 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.558828771	0.558828771 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	0.738893151	0.738893151 ± 0.0625	✔

Name	Actual Value	Expected Value	Result
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	0.395596206	0.395596206 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔

Test Step 3.6 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.47900009
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.063000001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.99349999
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0500000007
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.579
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0588000007
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.84850001
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0560000017
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	22
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	20
k_CurrDiagLambdaMinMax_Volt_f32	0.855799973
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.33370018
k_CurrDiagPrimErrorThresh_Volt_f32	185.998398
k_CurrDiagPrim_Cnt_Str.Threshold	42
k_CurrDiagPrim_Cnt_Str.PStep	59
k_CurrDiagPrim_Cnt_Str.NStep	0
k_CurrDiagSecErrorThresh_Volt_f32	143.790894
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	169
k_CurrDiagSec_Cnt_Str.PStep	235
k_CurrDiagSec_Cnt_Str.NStep	60
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.921700001
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.32930005
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	-140.936096
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-185.024506
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-6.46999979
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0600004
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.98649979

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.25073862	4.25073862 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.83661509	3.83661509 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.25943375	4.25943375 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.64105916	2.64105916 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	22	22	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
none	0	*** No Call Expected ***		0	✔

Test Step 3.7 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.26219988
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.111599997
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.38829994
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.108000003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.44220018
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.103500001
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.32730007
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0989999995
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	27
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	25
k_CurrDiagLambdaMinMax_Volt_f32	11.6905003
k_CurrDiagMtrEnvTblMax_MtrNm_f32	5.17859983
k_CurrDiagPrimErrorThresh_Volt_f32	3.60010004
k_CurrDiagPrim_Cnt_Str.Threshold	200
k_CurrDiagPrim_Cnt_Str.PStep	159
k_CurrDiagPrim_Cnt_Str.NStep	2
k_CurrDiagSecErrorThresh_Volt_f32	105.122002
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	85
k_CurrDiagSec_Cnt_Str.PStep	67
k_CurrDiagSec_Cnt_Str.NStep	127
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.256999999
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-3.31399989
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	203.820602
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-152.617294
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	0.180000007
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0100002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	1.29760003

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	6.32304049	6.32304096 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	5.54155922	5.54155922 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.56546593	4.56546545 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	1.84053791	1.84053779 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	186	186	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✔

Test Step 3.8 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.17479992
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0744000003
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	3.59220004

Name	Input Value
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0719999969
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	4.2947998
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.0689999983
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.21819997
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.0659999996
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	23
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	21
k_CurrDiagLambdaMinMax_Volt_f32	12.9694004
k_CurrDiagMtrEnvTblMax_MtrNm_f32	4.40310001
k_CurrDiagPrimErrorThresh_Volt_f32	8.31260014
k_CurrDiagPrim_Cnt_Str.Threshold	13
k_CurrDiagPrim_Cnt_Str.PStep	66
k_CurrDiagPrim_Cnt_Str.NStep	255
k_CurrDiagSecErrorThresh_Volt_f32	83.521698
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	95
k_CurrDiagSec_Cnt_Str.PStep	236
k_CurrDiagSec_Cnt_Str.NStep	17
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-1.42579997
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	78.3576965
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-100.774101
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	-5.13999987
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-11.0500002
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.240799993
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	7.9046998

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	0	0	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	2.89927149	2.89927149 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.39976501	2.39976478 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	3.99697709	3.99697757 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	2.07038164	2.07038188 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	4	4	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 3.9 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.5243998	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.223199993	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.7765999	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.216000006	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8844004	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.207000002	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.65460014	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.197999999	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	39	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	37	
k_CurrDiagLambdaMinMax_Volt_f32	16.1483002	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	6.93109989	

Name	Input Value
k_CurrDiagPrimErrorThresh_Volt_f32	64.4897003
k_CurrDiagPrim_Cnt_Str.Threshold	8
k_CurrDiagPrim_Cnt_Str.PStep	22
k_CurrDiagPrim_Cnt_Str.NStep	132
k_CurrDiagSecErrorThresh_Volt_f32	8.3810997
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	200
k_CurrDiagSec_Cnt_Str.PStep	227
k_CurrDiagSec_Cnt_Str.NStep	216
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	8.70119953
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	81.066597
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-38.5410004
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	16.1399994
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	-10.8900003
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.871599972
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.83229995

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	2	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.3626328	11.3626337 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	10.0298347	10.0298347 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	11.7383671	11.7383671 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	6.79189491	6.79189444 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	0	0	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	200	200	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	✔

Test Step 3.10 (Repeat Count = 1) ✔

Name	Input Value
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	21.5697994
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.38440001
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	18.5597
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.372000009
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	22.1898003
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.3565
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.4607
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.340999991
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	55
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	53
k_CurrDiagLambdaMinMax_Volt_f32	1.18939996
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019
k_CurrDiagPrimErrorThresh_Volt_f32	186.005798
k_CurrDiagPrim_Cnt_Str.Threshold	146
k_CurrDiagPrim_Cnt_Str.PStep	79
k_CurrDiagPrim_Cnt_Str.NStep	25
k_CurrDiagSecErrorThresh_Volt_f32	9.60980034
k_CurrDiagSecTrqLmtThresh_Uls_f32	1
k_CurrDiagSec_Cnt_Str.Threshold	223
k_CurrDiagSec_Cnt_Str.PStep	72
k_CurrDiagSec_Cnt_Str.NStep	179

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.999984741
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.125650004
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-4.2663002
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	165.736206
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	49.989399
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	1.45000005
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	1.45000005
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	0.230100006
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	2.6401

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	2	*none*	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	*none*	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	12.8211632	12.8211632 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	11.2130346	11.2130346 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	14.7031574	14.7031574 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	7.95818663	7.95818663 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	30	30	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	125	125	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	1	1	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
none	0	*** No Call Expected ***	0	✔

Test Step 3.11 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Inst_Ap_TqRsDg	target_Rte_Inst_Ap_TqRsDg	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-0.587400019	
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.545599997	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-0.536800027	
TqRsDg_AlpaCurrDiagSecLPF_M_Str.K_Uls_f32	0.527999997	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-31	
TqRsDg_BetaCurrDiagPrimLPF_M_Str.K_Uls_f32	0.505999982	
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	15.8971004	
TqRsDg_BetaCurrDiagSecLPF_M_Str.K_Uls_f32	0.483999997	
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	72	
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	70	
k_CurrDiagLambdaMinMax_Volt_f32	12.1154003	
k_CurrDiagMtrEnvTblMax_MtrNm_f32	8.80000019	
k_CurrDiagPrimErrorThresh_Volt_f32	8.53390026	
k_CurrDiagPrim_Cnt_Str.Threshold	125	
k_CurrDiagPrim_Cnt_Str.PStep	147	
k_CurrDiagPrim_Cnt_Str.NStep	119	
k_CurrDiagSecErrorThresh_Volt_f32	135.560196	
k_CurrDiagSecTrqLmtThresh_Uls_f32	0.845499992	
k_CurrDiagSec_Cnt_Str.Threshold	96	
k_CurrDiagSec_Cnt_Str.PStep	17	
k_CurrDiagSec_Cnt_Str.NStep	135	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_CorrMtrPosElec_Rev_f32	target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstKe_VpRadpS_f32	target_TqRsDg_Per1_EstKe_VpRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_EstR_Ohm_f32	target_TqRsDg_Per1_EstR_Ohm_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltDax_Volt_f32	target_TqRsDg_Per1_MtrVoltDax_Volt_f32	
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_MtrVoltQax_Volt_f32	target_TqRsDg_Per1_MtrVoltQax_Volt_f32	

Name	Input Value
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_OutputRampMult_Uls_f32	target_TqRsDg_Per1_OutputRampMult_Uls_f32
target_Rte_Inst_Ap_TqRsDg.TqRsDg_Per1_TrqLimitMin_MtrNm_f32	target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32
target_TqRsDg_Per1_CorrMtrPosElec_Rev_f32.value	0.0216000006
target_TqRsDg_Per1_EstKe_VpRadpS_f32.value	0.075000003
target_TqRsDg_Per1_EstR_Ohm_f32.value	0.102899998
target_TqRsDg_Per1_MRFMtrVel_MtrRadpS_f32.value	-0.0318999998
target_TqRsDg_Per1_MtrCurrDaxRef_Amp_f32.value	131.775101
target_TqRsDg_Per1_MtrCurrQaxFinalRef_Amp_f32.value	164.5672
target_TqRsDg_Per1_MtrVoltDax_Volt_f32.value	2.99000001
target_TqRsDg_Per1_MtrVoltQax_Volt_f32.value	2.54999995
target_TqRsDg_Per1_OutputRampMult_Uls_f32.value	1
target_TqRsDg_Per1_TrqLimitMin_MtrNm_f32.value	5.22289991

Name	Actual Value	Expected Value	Result
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	169	169	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
TqRsDg_AlpaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-5.89281178	-5.89281225 ± 0.0625	✔
TqRsDg_AlpaCurrDiagSecLPF_M_Str.SV_Uls_f32	-5.69778633	-5.69778681 ± 0.0625	✔
TqRsDg_BetaCurrDiagPrimLPF_M_Str.SV_Uls_f32	-9.84050751	-9.8405056 ± 0.0625	✔
TqRsDg_BetaCurrDiagSecLPF_M_Str.SV_Uls_f32	13.4384193	13.4384193 ± 0.0625	✔
TqRsDg_CurrDiagPrimPNAccum_Cnt_M_u16	125	125	✔
TqRsDg_CurrDiagSecPNAccum_Cnt_M_u16	0	0	✔
target_TqRsDg_Per1_MtrCurrIdptSig_Cnt_u08.value	0	0	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Ap_TqRsDg_NxtrDiagMgr_SetNTCStatus		1	✔