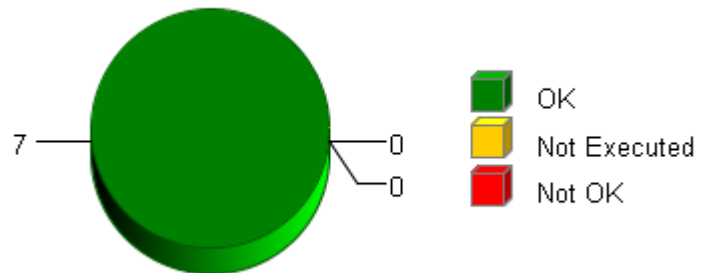


Summary

Total Test Objects: 7
Successful: 7
Failed: 0
Not Executed: 0
Date: 2014-09-19
Time: 13:54:55+0530

Overall Test Object Results (including Coverage)



Selected Project Items

Test Object "CBD_UnitTest/FDD_Inertia/ADDCoefCalc"
Test Object "CBD_UnitTest/FDD_Inertia/DecelGain"
Test Object "CBD_UnitTest/FDD_Inertia/DriverVelCalc"
Test Object "CBD_UnitTest/FDD_Inertia/FilterCoefCalc"
Test Object "CBD_UnitTest/FDD_Inertia/FrqDepDmpnInrtCmp_Init"
Test Object "CBD_UnitTest/FDD_Inertia/FrqDepDmpnInrtCmp_Per1"
Test Object "CBD_UnitTest/FDD_Inertia/GenFddlcCmd"

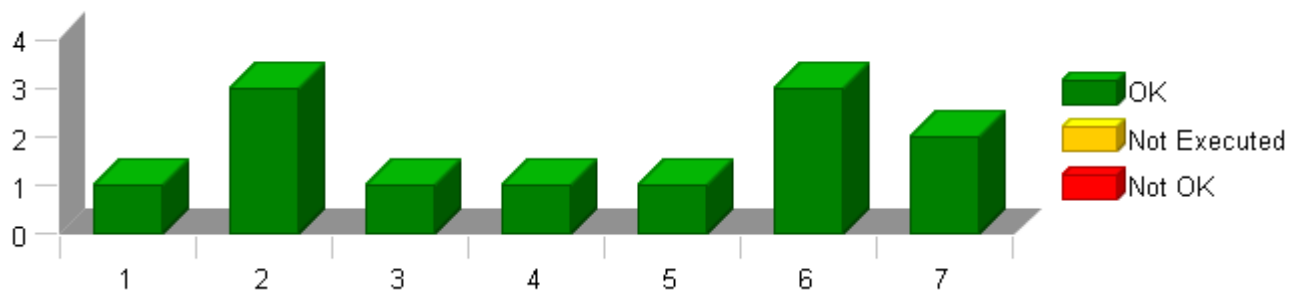
Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

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

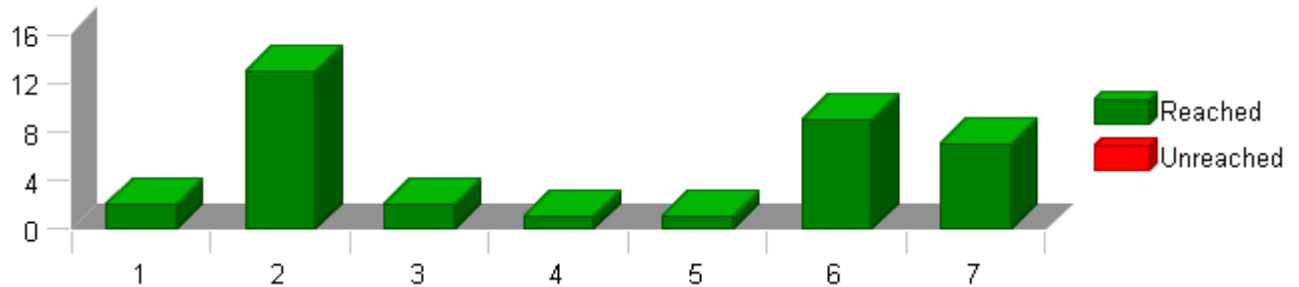
Test Case Results for Each Test Object (without Coverage)



The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results

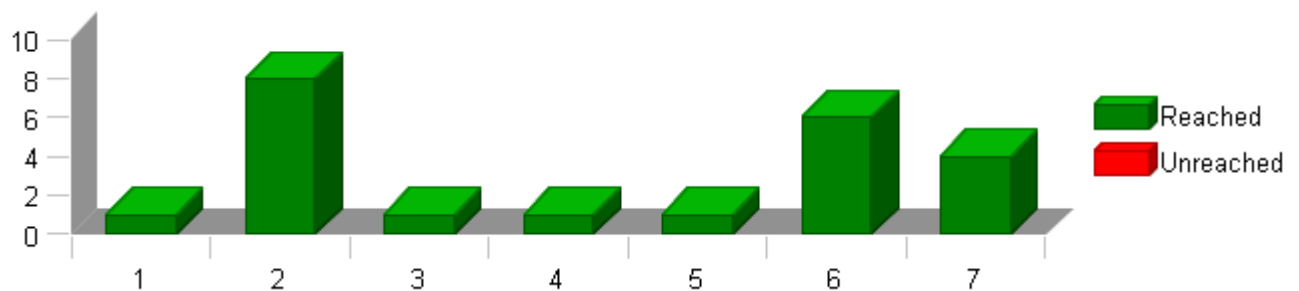
do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

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



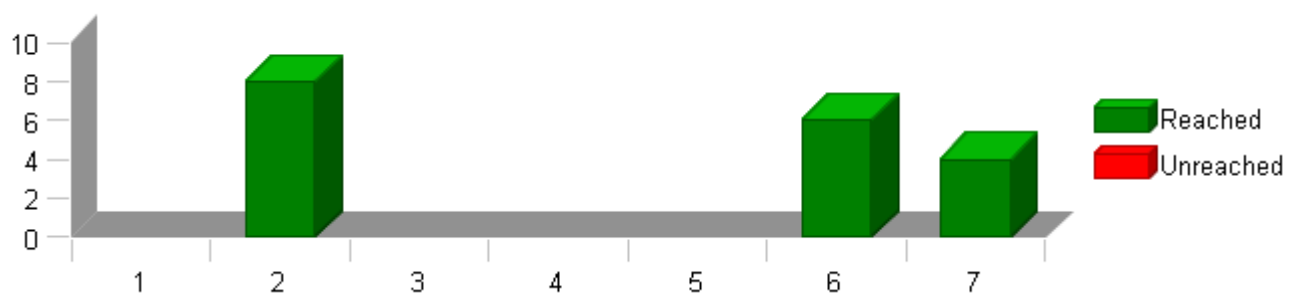
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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



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

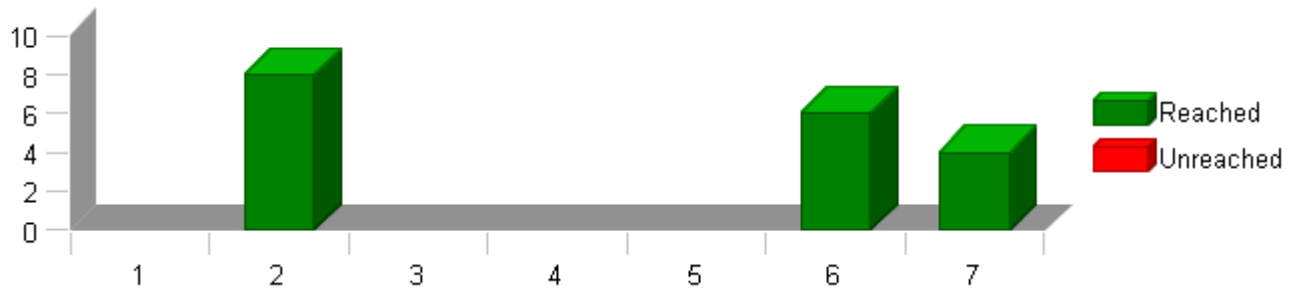
Decision Coverage: Total Decision Outcomes for Each Test Object



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

Each bar is divided into reached and unreached decision outcomes.

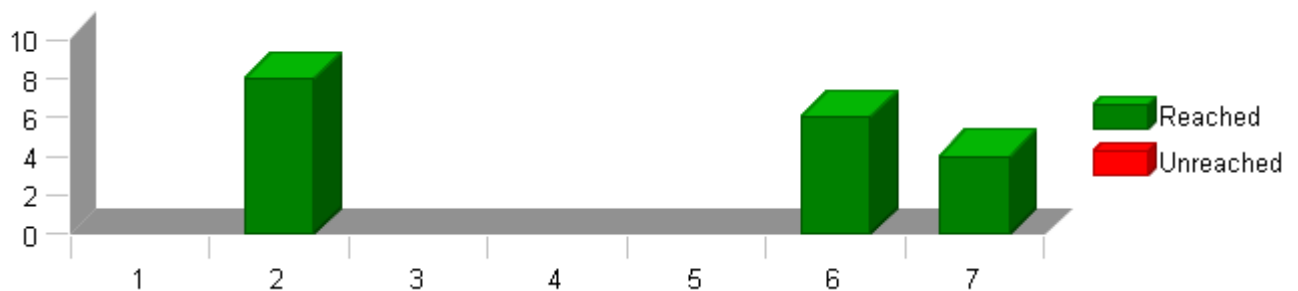
MC/DC Coverage: Total Condition Combinations for Each Test Object



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

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

MCC Coverage: Total Condition Combinations for Each Test Object



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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	FDD_Inertia	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
	FDD_Inertia	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
1	ADDCoefCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
2	DecelGain	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
3	DriverVelCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
4	FilterCoefCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
5	FrqDepDmpnInrtCmp_Init	100 %	100 %	-	-	-	1 of 1 passed	✓
6	FrqDepDmpnInrtCmp_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
7	GenFddlcCmd	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1



Project	FDD_Inertia
Module	FDD_Inertia
Test Object	FrqDepDmpnInrtCmp_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1



Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1



Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

FrqDepDmpnInrtCmp_Per1

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Usercode

Stub Function Name	Stub Function Body
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_Checkpo	\$stub void Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached() { /* empty stub code created by TESSY */ }
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_Checkpo	\$stub void Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached() { /* empty stub code created by TESSY */ }

Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS1.1 5667.00 Cycles TS1.2 5703.00 Cycles
Description	Test Vector Description: TS1.1 "Shortest Execution Path: (FDDDefSrvFlg_Cnt_T_lgc == TRUE)=False (FrqDepDmpnInrtCmp_MtrNm_T_f32>=D_MTRTRQCMDHILMT_MTRNM_F32)=True" TS1.2 "Longest Execution Path: (FDDDefSrvFlg_Cnt_T_lgc == TRUE)=True (FrqDepDmpnInrtCmp_MtrNm_T_f32>= D_MTRTRQCMDHILMT_MTRNM_F32)=False (FrqDepDmpnInrtCmp_MtrNm_T_f32<=-D_MTRTRQCMDHILMT_MTRNM_F32)=False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
PreDecelGain_Uls_M_f32	1
Prev1PreAttnComp_MtrNm_M_f32	1.1
Prev1ScIDrvVel_RadpS_M_f32	2205.3
Prev2PreAttnComp_MtrNm_M_f32	7.3
Prev2ScIDrvVel_RadpS_M_f32	101.2
PrevTbarAng_HwDeg_M_f32	-8.32
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.1258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.2
k_CmnTbarStiff_NmpDeg_f32	1.2
k_DmpDecelGainFSlew_UlspS_f32	100.02
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_Mtrinertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112

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FrqDepDmpInIntCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	240
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	320
t_FDD_AttenTbIY_Uls_u8p8[0]	49
t_FDD_AttenTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[0]	3
t_FDD_BlendTbIY_Uls_u8p8[1]	5
t_FDD_BlendTbIY_Uls_u8p8[2]	8

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.2		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-35.2		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.01		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1.11199999	1.112 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	128.764511	128.764510970637 ± 0.0009	✔
Prev1SciDrvVel_RadpS_M_f32	540.226318	540.2263355 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.1 ± 0.00048828125	✔
Prev2SciDrvVel_RadpS_M_f32	2205.30005	2205.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.333333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.22103405	2.221033333 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125487.235
Prev1PreAttnComp_MtrNm_M_f32	1.1
Prev1ScIDrvVel_RadpS_M_f32	2205.3
Prev2PreAttnComp_MtrNm_M_f32	7.3
Prev2ScIDrvVel_RadpS_M_f32	101.2
PrevTbarAng_HwDeg_M_f32	-8.32
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.1258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.2
k_CmnTbarStiff_NmpDeg_f32	1.2
k_DmpDecelGainFSlew_UlspS_f32	100.02
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	240
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	320
t_FDD_AttenTbIY_Uls_u8p8[0]	49
t_FDD_AttenTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[0]	3
t_FDD_BlendTbIY_Uls_u8p8[1]	5
t_FDD_BlendTbIY_Uls_u8p8[2]	8
t_FDD_BlendTbIY_Uls_u8p8[3]	10
t_FDD_BlendTbIY_Uls_u8p8[4]	13
t_FDD_BlendTbIY_Uls_u8p8[5]	15
t_FDD_BlendTbIY_Uls_u8p8[6]	18
t_FDD_BlendTbIY_Uls_u8p8[7]	20
t_FDD_BlendTbIY_Uls_u8p8[8]	23
t_FDD_BlendTbIY_Uls_u8p8[9]	26
t_FDD_BlendTbIY_Uls_u8p8[10]	28
t_FDD_BlendTbIY_Uls_u8p8[11]	31

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.2		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-21.32		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.01		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125487.234	125487.235 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	14899641	14899642.12 ± 99.9	✔
Prev1SclDrvVel_RadpS_M_f32	540.226318	540.2263355 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.1 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	2205.30005	2205.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.333333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.22103405	2.221033333 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Case 2: Path Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 5693.00 Cycles TS2.2 5724.00 Cycles TS2.3 6713.00 Cycles
Description	Test Vector Description: TS2.1 "(FDDDefSrvFlg_Cnt_T_lgc = True) =False (FrqDepDmpInrtCmp_MtrNm_T_f32=>D_MTRTRQCMDHILMT_MTRNM_F32)=True" TS2.2 "(FDDDefSrvFlg_Cnt_T_lgc = True) =True (FrqDepDmpInrtCmp_MtrNm_T_f32=>D_MTRTRQCMDHILMT_MTRNM_F32)=False (FrqDepDmpInrtCmp_MtrNm_T_f32<=D_MTRTRQCMDHILMT_MTRNM_F32)=False" TS2.3 (FrqDepDmpInrtCmp_MtrNm_T_f32<=D_MTRTRQCMDHILMT_MTRNM_F32)=True

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
PreDecelGain_Uls_M_f32	125487.235
Prev1PreAttnComp_MtrNm_M_f32	1.1
Prev1ScIDrvVel_RadpS_M_f32	2205.3
Prev2PreAttnComp_MtrNm_M_f32	7.3
Prev2ScIDrvVel_RadpS_M_f32	101.2
PrevTbarAng_HwDeg_M_f32	-8.32
Rte_Inst_Ap_FrqDepDmpInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.1258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.2
k_CmnTbarStiff_NmpDeg_f32	1.2
k_DmpDecelGainFSlew_UlspS_f32	100.02
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320		
t_FDD_AttenTblY_Uls_u8p8[0]	49		
t_FDD_AttenTblY_Uls_u8p8[1]	51		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.2		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.01		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_I	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSi	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwI	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_I	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpB	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125487.031	125487.035 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	14899619	14899618.37 ± 99.9	✔
Prev1ScIDrvVel_RadpS_M_f32	540.226318	540.2263355 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.1 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	2205.30005	2205.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.333333333 ± 0.00390625	✔
TbarVelFiltSv_M str.SV_Uls_f32	2.22103405	2.221033333 ± 0.00390625	✔

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FrqDepDmpInrtCmp_Per1

Name	Actual Value	Expected Value	Result
tgt_FrqDepDmpInrtCmp_Per1_FrqDepDmpInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125589.21
Prev1PreAttnComp_MtrNm_M_f32	-1.1
Prev1SclDrvVel_RadpS_M_f32	-445.3
Prev2PreAttnComp_MtrNm_M_f32	-6.8
Prev2SclDrvVel_RadpS_M_f32	-220.3
PrevTbarAng_HwDeg_M_f32	4.339
Rte_Inst_Ap_FrqDepDmpInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.2365
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.3
k_CmnTbarStiff_NmpDeg_f32	2.3
k_DmpDecelGainFSlew_UlspS_f32	200.03
k_DmpDecelGain_Uls_f32	3.6
k_DmpGainOffThresh_KphpS_f32	20.2
k_DmpGainOnThresh_KphpS_f32	35.3
k_InrtCmp_MtrInertia_KgmSq_f32	0.00009
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.8
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	352
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	400
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10
t_FDD_BlendTbIY_Uls_u8p8[3]	13
t_FDD_BlendTbIY_Uls_u8p8[4]	15
t_FDD_BlendTbIY_Uls_u8p8[5]	18
t_FDD_BlendTbIY_Uls_u8p8[6]	20
t_FDD_BlendTbIY_Uls_u8p8[7]	23
t_FDD_BlendTbIY_Uls_u8p8[8]	26
t_FDD_BlendTbIY_Uls_u8p8[9]	28

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Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[10]	31		
t_FDD_BlendTblY_Uls_u8p8[11]	33		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	538		
t_WIRBlndTblX_MtrNm_u8p8[1]	563		
t_WIRBlndTblX_MtrNm_u8p8[2]	589		
t_WIRBlndTblX_MtrNm_u8p8[3]	614		
t_WIRBlndTblX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-600.3		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	20.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	200.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_I	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSi	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwI	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_I	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125588.813	125588.8099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-321190.063	-321190.1416 ± 0.9	✔
Prev1ScIDrvVel_RadpS_M_f32	-480.309448	-480.3094401 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.1 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-445.299988	-445.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	4.347826	4.347826087 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.865101695	-0.865065217 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125997.11
Prev1PreAttnComp_MtrNm_M_f32	-3.3
Prev1ScIDrvVel_RadpS_M_f32	-4021.3
Prev2PreAttnComp_MtrNm_M_f32	-2.3
Prev2ScIDrvVel_RadpS_M_f32	-363.2
PrevTbarAng_HwDeg_M_f32	0.159
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.6
TbarVelFiltSv_M_str.K_Uls_f32	0.63214
k_CmnSysKinRatio_MtrDegpHwDeg_f32	60.05
k_CmnTbarStiff_NmpDeg_f32	6.2
k_DmpDecelGainFSlew_UlspS_f32	400.05
k_DmpDecelGain_Uls_f32	6.5
k_DmpGainOffThresh_KphpS_f32	44.5
k_DmpGainOnThresh_KphpS_f32	20.6
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1427
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1655
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1884
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2112
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2340
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2568
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2796
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3252
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3480
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	656
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	720
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-6.3		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-20.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	110.07		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125996.313	125996.3099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-9984653	-9984653.482 ± 9.9	✔
Prev1ScIDrvVel_RadpS_M_f32	-447.704346	-447.704346 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995	-3.3 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-4021.30005	-4021.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.164516136	0.164516129 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.684389591	-0.684393097 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Case 3: Boundary Test

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

CPU Cycles:

TS3.1 5484.00 Cycles
 TS3.2 5549.00 Cycles
 TS3.3 5698.00 Cycles
 TS3.4 5724.00 Cycles
 TS3.5 5698.00 Cycles
 TS3.6 5572.00 Cycles
 TS3.7 5708.00 Cycles
 TS3.8 6713.00 Cycles
 TS3.9 5630.00 Cycles
 TS3.10 5527.00 Cycles
 TS3.11 5508.00 Cycles
 TS3.12 5560.00 Cycles
 TS3.13 5560.00 Cycles
 TS3.14 5562.00 Cycles
 TS3.15 5534.00 Cycles
 TS3.16 5733.00 Cycles
 TS3.17 5538.00 Cycles
 TS3.18 5458.00 Cycles
 TS3.19 5517.00 Cycles
 TS3.20 5517.00 Cycles
 TS3.21 5853.00 Cycles
 TS3.22 5549.00 Cycles
 TS3.23 5529.00 Cycles
 TS3.24 5516.00 Cycles
 TS3.25 5539.00 Cycles
 TS3.26 5539.00 Cycles
 TS3.27 5519.00 Cycles
 TS3.28 5619.00 Cycles
 TS3.29 5572.00 Cycles
 TS3.30 5561.00 Cycles

Description Test Vector Description:

TS3.1 All min
 TS3.2 All max
 TS3.3 HwTorque_HwNm_f32 = min
 TS3.4 HwTorque_HwNm_f32 = max
 TS3.5 HwTorque_HwNm_f32 = zero
 TS3.6 HwTorque_HwNm_f32 = neg
 TS3.7 HwTorque_HwNm_f32 = pos
 TS3.8 CRFMotorVel_MtrRadpS_f32 = min
 TS3.9 CRFMotorVel_MtrRadpS_f32 = max
 TS3.10 CRFMotorVel_MtrRadpS_f32 = zero
 TS3.11 CRFMotorVel_MtrRadpS_f32 = neg
 TS3.12 CRFMotorVel_MtrRadpS_f32 = pos
 TS3.13 BaseAssistCmd_MtrNm_f32 = min
 TS3.14 BaseAssistCmd_MtrNm_f32 = max
 TS3.15 BaseAssistCmd_MtrNm_f32 = zero
 TS3.16 BaseAssistCmd_MtrNm_f32 = neg
 TS3.17 BaseAssistCmd_MtrNm_f32 = pos
 TS3.18 VehicleSpeed_Kph_f32 = min
 TS3.19 VehicleSpeed_Kph_f32 = max
 TS3.20 VehicleSpeed_Kph_f32 = pos
 TS3.21 WIRCmdAmpBlnd_MtrNm_f32 = min
 TS3.22 WIRCmdAmpBlnd_MtrNm_f32 = max
 TS3.23 WIRCmdAmpBlnd_MtrNm_f32 = pos
 TS3.24 FreqDepDmpSrlComSvcDft_Cnt_lgc = min
 TS3.25 FreqDepDmpSrlComSvcDft_Cnt_lgc = max
 TS3.26 VehicleLonAccel_KphpS_f32 = min
 TS3.27 VehicleLonAccel_KphpS_f32 = max
 TS3.28 VehicleLonAccel_KphpS_f32 = zero
 TS3.29 VehicleLonAccel_KphpS_f32 = neg
 TS3.30 VehicleLonAccel_KphpS_f32 = pos

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
PreDecelGain_Uls_M_f32	1

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Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	-8.8
Prev1ScIDrvVel_RadpS_M_f32	-12917.3
Prev2PreAttnComp_MtrNm_M_f32	-8.8
Prev2ScIDrvVel_RadpS_M_f32	-12917.3
PrevTbarAng_HwDeg_M_f32	-20
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.6667
TbarVelFiltSv_M_str.K_Uls_f32	0.001255848
k_CmnSysKinRatio_MtrDegHwDeg_f32	1
k_CmnTbarStiff_NmpDeg_f32	0.5
k_DmpDecelGainFSlew_UlspS_f32	1
k_DmpDecelGain_Uls_f32	1
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	0
k_InrtCmp_MtrInertia_KgmSq_f32	0.00001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	16
t_CmnVehSpd_Kph_u9p7[0]	0
t_CmnVehSpd_Kph_u9p7[1]	0
t_CmnVehSpd_Kph_u9p7[2]	0
t_CmnVehSpd_Kph_u9p7[3]	0
t_CmnVehSpd_Kph_u9p7[4]	0
t_CmnVehSpd_Kph_u9p7[5]	0
t_CmnVehSpd_Kph_u9p7[6]	0
t_CmnVehSpd_Kph_u9p7[7]	0
t_CmnVehSpd_Kph_u9p7[8]	0
t_CmnVehSpd_Kph_u9p7[9]	0
t_CmnVehSpd_Kph_u9p7[10]	0
t_CmnVehSpd_Kph_u9p7[11]	0
t_DmpADDCoefX_MtrNm_u4p12[0]	0

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Name	Input Value
t_DmpADDCoefX_MtrNm_u4p12[1]	0
t_DmpADDCoefX_MtrNm_u4p12[2]	0
t_DmpADDCoefX_MtrNm_u4p12[3]	0
t_DmpADDCoefX_MtrNm_u4p12[4]	0
t_DmpADDCoefX_MtrNm_u4p12[5]	0
t_DmpADDCoefX_MtrNm_u4p12[6]	0
t_DmpADDCoefX_MtrNm_u4p12[7]	0
t_DmpADDCoefX_MtrNm_u4p12[8]	0
t_DmpADDCoefX_MtrNm_u4p12[9]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	0
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	0
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	0
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	0
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	0
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	0
t_FDD_AttenTbIY_Uls_u8p8[0]	0
t_FDD_AttenTbIY_Uls_u8p8[1]	0
t_FDD_BlendTbIY_Uls_u8p8[0]	0
t_FDD_BlendTbIY_Uls_u8p8[1]	0
t_FDD_BlendTbIY_Uls_u8p8[2]	0
t_FDD_BlendTbIY_Uls_u8p8[3]	0
t_FDD_BlendTbIY_Uls_u8p8[4]	0
t_FDD_BlendTbIY_Uls_u8p8[5]	0
t_FDD_BlendTbIY_Uls_u8p8[6]	0
t_FDD_BlendTbIY_Uls_u8p8[7]	0
t_FDD_BlendTbIY_Uls_u8p8[8]	0
t_FDD_BlendTbIY_Uls_u8p8[9]	0
t_FDD_BlendTbIY_Uls_u8p8[10]	0
t_FDD_BlendTbIY_Uls_u8p8[11]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	0

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Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	0		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	0		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	0		
t_RIAstWIRBndTbly_Uls_u2p14[0]	0		
t_RIAstWIRBndTbly_Uls_u2p14[1]	0		
t_RIAstWIRBndTbly_Uls_u2p14[2]	0		
t_RIAstWIRBndTbly_Uls_u2p14[3]	0		
t_RIAstWIRBndTbly_Uls_u2p14[4]	0		
t_WIRBndTblyX_MtrNm_u8p8[0]	0		
t_WIRBndTblyX_MtrNm_u8p8[1]	0		
t_WIRBndTblyX_MtrNm_u8p8[2]	0		
t_WIRBndTblyX_MtrNm_u8p8[3]	0		
t_WIRBndTblyX_MtrNm_u8p8[4]	0		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.8		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	0		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.79862881	-8.798627659 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-0	0 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.8 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-6.65832758	-6.658327638 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-0	0 ± 0.00048828125	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Name	Input Value
PreDecelGain_Uls_M_f32	4294967295
Prev1PreAttnComp_MtrNm_M_f32	8.8
Prev1ScldrvVel_RadpS_M_f32	12917.3
Prev2PreAttnComp_MtrNm_M_f32	8.8
Prev2ScldrvVel_RadpS_M_f32	12917.3
PrevTbarAng_HwDeg_M_f32	1.013334
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.6667
TbarVelFiltSv_M_str.K_Uls_f32	0.715390457
k_CmnSysKinRatio_MtrDegpHwDeg_f32	100
k_CmnTbarStiff_NmpDeg_f32	10
k_DmpDecelGainFSlew_UlspS_f32	4500
k_DmpDecelGain_Uls_f32	10
k_DmpGainOffThresh_KphpS_f32	50
k_DmpGainOnThresh_KphpS_f32	50

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Name	Input Value
k_InrtCmp_MtrInertia_KgmSq_f32	0.0005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	6554
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1600
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_DmpADDCoefX_MtrNm_u4p12[0]	36045
t_DmpADDCoefX_MtrNm_u4p12[1]	36045
t_DmpADDCoefX_MtrNm_u4p12[2]	36045
t_DmpADDCoefX_MtrNm_u4p12[3]	36045
t_DmpADDCoefX_MtrNm_u4p12[4]	36045
t_DmpADDCoefX_MtrNm_u4p12[5]	36045
t_DmpADDCoefX_MtrNm_u4p12[6]	36045
t_DmpADDCoefX_MtrNm_u4p12[7]	36045
t_DmpADDCoefX_MtrNm_u4p12[8]	36045
t_DmpADDCoefX_MtrNm_u4p12[9]	36045
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	35776

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Name	Input Value
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	35776
t_DmpDecelGainSlewY_UlspS_u13p3[0]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[1]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[2]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[3]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[4]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[5]	4000
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	16384
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[0]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[1]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[2]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[3]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[4]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[5]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[6]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[7]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[8]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[9]	6554
t_FDD_AttenTbly_MtrRadpS_u12p4[0]	17600
t_FDD_AttenTbly_MtrRadpS_u12p4[1]	17600
t_FDD_AttenTbly_Uls_u8p8[0]	256
t_FDD_AttenTbly_Uls_u8p8[1]	256
t_FDD_BlendTbly_Uls_u8p8[0]	256
t_FDD_BlendTbly_Uls_u8p8[1]	256
t_FDD_BlendTbly_Uls_u8p8[2]	256
t_FDD_BlendTbly_Uls_u8p8[3]	256
t_FDD_BlendTbly_Uls_u8p8[4]	256
t_FDD_BlendTbly_Uls_u8p8[5]	256
t_FDD_BlendTbly_Uls_u8p8[6]	256
t_FDD_BlendTbly_Uls_u8p8[7]	256
t_FDD_BlendTbly_Uls_u8p8[8]	256
t_FDD_BlendTbly_Uls_u8p8[9]	256
t_FDD_BlendTbly_Uls_u8p8[10]	256
t_FDD_BlendTbly_Uls_u8p8[11]	256
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[0]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[1]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[2]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[3]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[4]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[5]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[6]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[7]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[8]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[9]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[10]	384
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[11]	384
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	128
t_RIAstWIRBlndTbly_Uls_u2p14[0]	16384
t_RIAstWIRBlndTbly_Uls_u2p14[1]	16384
t_RIAstWIRBlndTbly_Uls_u2p14[2]	16384
t_RIAstWIRBlndTbly_Uls_u2p14[3]	16384
t_RIAstWIRBlndTbly_Uls_u2p14[4]	16384
t_WIRBlndTbly_MtrNm_u8p8[0]	2048
t_WIRBlndTbly_MtrNm_u8p8[1]	2048
t_WIRBlndTbly_MtrNm_u8p8[2]	2048
t_WIRBlndTbly_MtrNm_u8p8[3]	2048
t_WIRBlndTbly_MtrNm_u8p8[4]	2048
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.8

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	511.9921875		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	8.8		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	4.2949673e+009	4294967286 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-2.45381431e+011	-245381471607.646 ± 999999.9	✔
Prev1ScIDrvVel_RadpS_M_f32	1112.98718	1112.9872366867 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.8 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	12917.2998	12917.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.8721137	-2.87210173650089 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125487.235
Prev1PreAttnComp_MtrNm_M_f32	1.1
Prev1ScIDrvVel_RadpS_M_f32	2205.3
Prev2PreAttnComp_MtrNm_M_f32	7.3
Prev2ScIDrvVel_RadpS_M_f32	101.2
PrevTbarAng_HwDeg_M_f32	-8.32
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.1258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.2
k_CmnTbarStiff_NmpDeg_f32	1.2
k_DmpDecelGainFSlew_UlspS_f32	100.02
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_Mtrinertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	5020

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320
t_FDD_AttenTblY_Uls_u8p8[0]	49
t_FDD_AttenTblY_Uls_u8p8[1]	51
t_FDD_BlendTblY_Uls_u8p8[0]	3
t_FDD_BlendTblY_Uls_u8p8[1]	5
t_FDD_BlendTblY_Uls_u8p8[2]	8
t_FDD_BlendTblY_Uls_u8p8[3]	10
t_FDD_BlendTblY_Uls_u8p8[4]	13
t_FDD_BlendTblY_Uls_u8p8[5]	15
t_FDD_BlendTblY_Uls_u8p8[6]	18
t_FDD_BlendTblY_Uls_u8p8[7]	20
t_FDD_BlendTblY_Uls_u8p8[8]	23
t_FDD_BlendTblY_Uls_u8p8[9]	26
t_FDD_BlendTblY_Uls_u8p8[10]	28
t_FDD_BlendTblY_Uls_u8p8[11]	31
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15
t_RIAstWIRBIndTblY_Uls_u2p14[0]	1638
t_RIAstWIRBIndTblY_Uls_u2p14[1]	3277
t_RIAstWIRBIndTblY_Uls_u2p14[2]	4915
t_RIAstWIRBIndTblY_Uls_u2p14[3]	6554
t_RIAstWIRBIndTblY_Uls_u2p14[4]	8192
t_WIRBIndTblX_MtrNm_u8p8[0]	282
t_WIRBIndTblX_MtrNm_u8p8[1]	307
t_WIRBIndTblX_MtrNm_u8p8[2]	333
t_WIRBIndTblX_MtrNm_u8p8[3]	358
t_WIRBIndTblX_MtrNm_u8p8[4]	384
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.1
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.2
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc.value	0
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.02
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.01
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.2
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32

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FrqDepDmpnInrtCmp_Per1

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125487.031	125487.035 ± 0.0625	✓
Prev1PreAttnComp_MtrNm_M_f32	14899619	14899618.37 ± 99.9	✓
Prev1ScIDrvVel_RadpS_M_f32	540.226318	540.2263355 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.1 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	2205.30005	2205.3 ± 0.00390625	✓
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.333333333 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.22103405	2.221033333 ± 0.00390625	✓
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.4 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125589.21
Prev1PreAttnComp_MtrNm_M_f32	-1.1
Prev1ScIDrvVel_RadpS_M_f32	-445.3
Prev2PreAttnComp_MtrNm_M_f32	-6.8
Prev2ScIDrvVel_RadpS_M_f32	-220.3
PrevTbarAng_HwDeg_M_f32	4.339
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.2365
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.3
k_CmnTbarStiff_NmpDeg_f32	2.3
k_DmpDecelGainFSlew_UlspS_f32	200.03
k_DmpDecelGain_Uls_f32	3.6
k_DmpGainOffThresh_KphpS_f32	20.2
k_DmpGainOnThresh_KphpS_f32	35.3
k_InrtCmp_MtrInertia_KgmSq_f32	0.00009
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.8
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	352
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	400
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10

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Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[3]	13		
t_FDD_BlendTblY_Uls_u8p8[4]	15		
t_FDD_BlendTblY_Uls_u8p8[5]	18		
t_FDD_BlendTblY_Uls_u8p8[6]	20		
t_FDD_BlendTblY_Uls_u8p8[7]	23		
t_FDD_BlendTblY_Uls_u8p8[8]	26		
t_FDD_BlendTblY_Uls_u8p8[9]	28		
t_FDD_BlendTblY_Uls_u8p8[10]	31		
t_FDD_BlendTblY_Uls_u8p8[11]	33		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	538		
t_WIRBlndTblX_MtrNm_u8p8[1]	563		
t_WIRBlndTblX_MtrNm_u8p8[2]	589		
t_WIRBlndTblX_MtrNm_u8p8[3]	614		
t_WIRBlndTblX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-600.3		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	20.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	200.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125588.813	125588.8099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-321190.063	-321190.1416 ± 0.9	✔
Prev1SciDrvVel_RadpS_M_f32	-480.309448	-480.3094401 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.1 ± 0.00048828125	✔
Prev2SciDrvVel_RadpS_M_f32	-445.299988	-445.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	4.347826	4.347826087 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.865101695	-0.865065217 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125691.185
Prev1PreAttnComp_MtrNm_M_f32	2.2
Prev1ScIDrvVel_RadpS_M_f32	292.6
Prev2PreAttnComp_MtrNm_M_f32	6.8
Prev2ScIDrvVel_RadpS_M_f32	105.1
PrevTbarAng_HwDeg_M_f32	-0.001
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.35874
k_CmnSysKinRatio_MtrDegpHwDeg_f32	30.2
k_CmnTbarStiff_NmpDeg_f32	3.5
k_DmpDecelGainFSlew_UlspS_f32	100.02
k_DmpDecelGain_Uls_f32	4.5
k_DmpGainOffThresh_KphpS_f32	22.1
k_DmpGainOnThresh_KphpS_f32	40.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00002
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.7
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	448
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	480
t_FDD_AttenTbIY_Uls_u8p8[0]	93
t_FDD_AttenTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[0]	10
t_FDD_BlendTbIY_Uls_u8p8[1]	13
t_FDD_BlendTbIY_Uls_u8p8[2]	15
t_FDD_BlendTbIY_Uls_u8p8[3]	18
t_FDD_BlendTbIY_Uls_u8p8[4]	20
t_FDD_BlendTbIY_Uls_u8p8[5]	23
t_FDD_BlendTbIY_Uls_u8p8[6]	26
t_FDD_BlendTbIY_Uls_u8p8[7]	28
t_FDD_BlendTbIY_Uls_u8p8[8]	31
t_FDD_BlendTbIY_Uls_u8p8[9]	33
t_FDD_BlendTbIY_Uls_u8p8[10]	36
t_FDD_BlendTbIY_Uls_u8p8[11]	38

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	794		
t_WIRBlndTblX_MtrNm_u8p8[1]	819		
t_WIRBlndTblX_MtrNm_u8p8[2]	845		
t_WIRBlndTblX_MtrNm_u8p8[3]	870		
t_WIRBlndTblX_MtrNm_u8p8[4]	896		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	7.3		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	500.4		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	30.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	300.05		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125690.984	125690.985 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	232822.953	232822.9685 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	350.610321	350.6103097 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.20000005	2.2 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	292.600006	292.6 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0	0 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.78252006	1.78252 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.6 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125793.16
Prev1PreAttnComp_MtrNm_M_f32	-2.2
Prev1ScIDrvVel_RadpS_M_f32	-160.3
Prev2PreAttnComp_MtrNm_M_f32	-5.2
Prev2ScIDrvVel_RadpS_M_f32	-301.2
PrevTbarAng_HwDeg_M_f32	-1.1549
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.47856
k_CmnSysKinRatio_MtrDegpHwDeg_f32	40.4
k_CmnTbarStiff_NmpDeg_f32	4.5
k_DmpDecelGainFSlew_UlspS_f32	200.05
k_DmpDecelGain_Uls_f32	3.2
k_DmpGainOffThresh_KphpS_f32	22.3
k_DmpGainOnThresh_KphpS_f32	45.6
k_InrtCmp_MtrInertia_KgmSq_f32	0.00003
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1793
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	2387
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	512
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	560
t_FDD_AttenTbIY_Uls_u8p8[0]	116
t_FDD_AttenTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33
t_FDD_BlendTbIY_Uls_u8p8[9]	36
t_FDD_BlendTbIY_Uls_u8p8[10]	38
t_FDD_BlendTbIY_Uls_u8p8[11]	41

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1050		
t_WIRBlndTblX_MtrNm_u8p8[1]	1075		
t_WIRBlndTblX_MtrNm_u8p8[2]	1101		
t_WIRBlndTblX_MtrNm_u8p8[3]	1126		
t_WIRBlndTblX_MtrNm_u8p8[4]	1152		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-7.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-500.5		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-5.2		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	40.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	400.06		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.1		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125792.758	125792.7599 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	512151.25	512151.2172 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-300.610382	-300.610367 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.2 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-160.300003	-160.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-1.15555549	-1.155555556 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.939015687	-0.939021333 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125895.135
Prev1PreAttnComp_MtrNm_M_f32	3.3
Prev1ScIDrvVel_RadpS_M_f32	2625.3
Prev2PreAttnComp_MtrNm_M_f32	5.2
Prev2ScIDrvVel_RadpS_M_f32	157.2
PrevTbarAng_HwDeg_M_f32	1.009
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.58963
k_CmnSysKinRatio_MtrDegpHwDeg_f32	50.03
k_CmnTbarStiff_NmpDeg_f32	5.2
k_DmpDecelGainFSlew_UlspS_f32	300.06
k_DmpDecelGain_Uls_f32	4.2
k_DmpGainOffThresh_KphpS_f32	33.2
k_DmpGainOnThresh_KphpS_f32	15.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00004
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	2387
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1246
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1638
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2030
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2422
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3206
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3598
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3990
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4382
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4774
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	512
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	560
t_FDD_AttenTbIY_Uls_u8p8[0]	144
t_FDD_AttenTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[0]	15
t_FDD_BlendTbIY_Uls_u8p8[1]	18
t_FDD_BlendTbIY_Uls_u8p8[2]	20
t_FDD_BlendTbIY_Uls_u8p8[3]	23
t_FDD_BlendTbIY_Uls_u8p8[4]	26
t_FDD_BlendTbIY_Uls_u8p8[5]	28
t_FDD_BlendTbIY_Uls_u8p8[6]	31
t_FDD_BlendTbIY_Uls_u8p8[7]	33
t_FDD_BlendTbIY_Uls_u8p8[8]	36
t_FDD_BlendTbIY_Uls_u8p8[9]	38
t_FDD_BlendTbIY_Uls_u8p8[10]	41
t_FDD_BlendTbIY_Uls_u8p8[11]	44

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	205		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	6.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	400.6		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	5.3		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-10.05		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	500.08		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125894.531	125894.5349 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	16663430	16663430.49 ± 99.9	✔
Prev1SclDrvVel_RadpS_M_f32	202.182922	202.1828953 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	3.29999995	3.3 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	2625.30005	2625.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.01923084	1.019230769 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.63177729	3.631739231 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.8 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125997.11
Prev1PreAttnComp_MtrNm_M_f32	-3.3
Prev1ScIDrvVel_RadpS_M_f32	-4021.3
Prev2PreAttnComp_MtrNm_M_f32	-2.3
Prev2ScIDrvVel_RadpS_M_f32	-363.2
PrevTbarAng_HwDeg_M_f32	0.159
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.6
TbarVelFiltSv_M_str.K_Uls_f32	0.63214
k_CmnSysKinRatio_MtrDegpHwDeg_f32	60.05
k_CmnTbarStiff_NmpDeg_f32	6.2
k_DmpDecelGainFSlew_UlspS_f32	400.05
k_DmpDecelGain_Uls_f32	6.5
k_DmpGainOffThresh_KphpS_f32	44.5
k_DmpGainOnThresh_KphpS_f32	20.6
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1427
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1655
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1884
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2112
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2340
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2568
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2796
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3252
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3480
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	656
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	720
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-6.3		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-20.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	110.07		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125996.313	125996.3099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-9984653	-9984653.482 ± 9.9	✔
Prev1ScIDrvVel_RadpS_M_f32	-447.704346	-447.704346 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995	-3.3 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-4021.30005	-4021.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.164516136	0.164516129 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.684389591	-0.684393097 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.9 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126099.085
Prev1PreAttnComp_MtrNm_M_f32	4.4
Prev1ScIDrvVel_RadpS_M_f32	1234.2
Prev2PreAttnComp_MtrNm_M_f32	2.3
Prev2ScIDrvVel_RadpS_M_f32	4678.2
PrevTbarAng_HwDeg_M_f32	-0.129
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.2
TbarVelFiltSv_M_str.K_Uls_f32	0.014785
k_CmnSysKinRatio_MtrDegpHwDeg_f32	70.5
k_CmnTbarStiff_NmpDeg_f32	7.5
k_DmpDecelGainFSlew_UlspS_f32	500.02
k_DmpDecelGain_Uls_f32	5.6
k_DmpGainOffThresh_KphpS_f32	8.6
k_DmpGainOnThresh_KphpS_f32	25.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00009
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	384
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	768
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	800
t_FDD_AttenTbIY_Uls_u8p8[0]	218
t_FDD_AttenTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[0]	20
t_FDD_BlendTbIY_Uls_u8p8[1]	23
t_FDD_BlendTbIY_Uls_u8p8[2]	26
t_FDD_BlendTbIY_Uls_u8p8[3]	28
t_FDD_BlendTbIY_Uls_u8p8[4]	31
t_FDD_BlendTbIY_Uls_u8p8[5]	33
t_FDD_BlendTbIY_Uls_u8p8[6]	36
t_FDD_BlendTbIY_Uls_u8p8[7]	38
t_FDD_BlendTbIY_Uls_u8p8[8]	41
t_FDD_BlendTbIY_Uls_u8p8[9]	44
t_FDD_BlendTbIY_Uls_u8p8[10]	46
t_FDD_BlendTbIY_Uls_u8p8[11]	49

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1766		
t_WIRBlndTblX_MtrNm_u8p8[1]	1792		
t_WIRBlndTblX_MtrNm_u8p8[2]	1818		
t_WIRBlndTblX_MtrNm_u8p8[3]	1843		
t_WIRBlndTblX_MtrNm_u8p8[4]	1869		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	4.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-1.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-30.05		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	120.08		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.1		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126098.086	126098.085 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-3128609.5	-3128609.352 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	340.747711	340.7476731 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	4.4000001	4.4 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	1234.19995	1234.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.137333333	-0.137333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	6.04672861	6.046728833 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.10 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126201.06
Prev1PreAttnComp_MtrNm_M_f32	-4.4
Prev1ScIDrvVel_RadpS_M_f32	-270.2
Prev2PreAttnComp_MtrNm_M_f32	-1.7
Prev2ScIDrvVel_RadpS_M_f32	-15.3
PrevTbarAng_HwDeg_M_f32	0.279
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.025896
k_CmnSysKinRatio_MtrDegpHwDeg_f32	80.02
k_CmnTbarStiff_NmpDeg_f32	8.8
k_DmpDecelGainFSlew_UlspS_f32	600.06
k_DmpDecelGain_Uls_f32	7.2
k_DmpGainOffThresh_KphpS_f32	16.2
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.0001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	704
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	832
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1344

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1472
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	784
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	880
t_FDD_AttenTbIY_Uls_u8p8[0]	63
t_FDD_AttenTbIY_Uls_u8p8[1]	66
t_FDD_BlendTbIY_Uls_u8p8[0]	49
t_FDD_BlendTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[2]	54
t_FDD_BlendTbIY_Uls_u8p8[3]	57
t_FDD_BlendTbIY_Uls_u8p8[4]	60
t_FDD_BlendTbIY_Uls_u8p8[5]	63
t_FDD_BlendTbIY_Uls_u8p8[6]	66
t_FDD_BlendTbIY_Uls_u8p8[7]	68
t_FDD_BlendTbIY_Uls_u8p8[8]	71
t_FDD_BlendTbIY_Uls_u8p8[9]	74
t_FDD_BlendTbIY_Uls_u8p8[10]	77
t_FDD_BlendTbIY_Uls_u8p8[11]	80

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	282		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	410		
t_WIRBlndTblX_MtrNm_u8p8[1]	435		
t_WIRBlndTblX_MtrNm_u8p8[2]	461		
t_WIRBlndTblX_MtrNm_u8p8[3]	486		
t_WIRBlndTblX_MtrNm_u8p8[4]	512		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-4.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-40.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	130.09		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.1		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126199.859	126199.8599 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-377091.875	-377091.8717 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-0.866061449	-0.866061495 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.4000001	-4.4 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-270.200012	-270.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.284090906	0.284090909 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-5.29165506	-5.291654909 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.11 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126303.035
Prev1PreAttnComp_MtrNm_M_f32	5.5
Prev1ScIDrvVel_RadpS_M_f32	6789
Prev2PreAttnComp_MtrNm_M_f32	1.7
Prev2ScIDrvVel_RadpS_M_f32	5322.2
PrevTbarAng_HwDeg_M_f32	-0.269
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.2
TbarVelFiltSv_M_str.K_Uls_f32	0.03698
k_CmnSysKinRatio_MtrDegpHwDeg_f32	90.02
k_CmnTbarStiff_NmpDeg_f32	9.6
k_DmpDecelGainFSlew_UlspS_f32	700.02
k_DmpDecelGain_Uls_f32	8.5
k_DmpGainOffThresh_KphpS_f32	24.1
k_DmpGainOnThresh_KphpS_f32	35.3
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1344
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1184

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1312
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	14592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	14624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	14656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	14688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	14720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	14752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	944
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	960
t_FDD_AttenTbIY_Uls_u8p8[0]	78
t_FDD_AttenTbIY_Uls_u8p8[1]	80
t_FDD_BlendTbIY_Uls_u8p8[0]	65
t_FDD_BlendTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[2]	70
t_FDD_BlendTbIY_Uls_u8p8[3]	73
t_FDD_BlendTbIY_Uls_u8p8[4]	75
t_FDD_BlendTbIY_Uls_u8p8[5]	78
t_FDD_BlendTbIY_Uls_u8p8[6]	80
t_FDD_BlendTbIY_Uls_u8p8[7]	83
t_FDD_BlendTbIY_Uls_u8p8[8]	86
t_FDD_BlendTbIY_Uls_u8p8[9]	88
t_FDD_BlendTbIY_Uls_u8p8[10]	91
t_FDD_BlendTbIY_Uls_u8p8[11]	93

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	307		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	666		
t_WIRBlndTblX_MtrNm_u8p8[1]	691		
t_WIRBlndTblX_MtrNm_u8p8[2]	717		
t_WIRBlndTblX_MtrNm_u8p8[3]	742		
t_WIRBlndTblX_MtrNm_u8p8[4]	768		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	3.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-350.2		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-2.6		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	11.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	140.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.1		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126301.633	126301.635 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1181610.88	1181610.552 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-33.2495117	-33.24951101 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	5.5	5.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	6789	6789 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.270833313	-0.270833333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.9738059	4.973805667 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.12 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126405.01
Prev1PreAttnComp_MtrNm_M_f32	-5.5
Prev1ScIDrvVel_RadpS_M_f32	-37.03
Prev2PreAttnComp_MtrNm_M_f32	-8.3
Prev2ScIDrvVel_RadpS_M_f32	-42.2
PrevTbarAng_HwDeg_M_f32	2.459
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.2
TbarVelFiltSv_M_str.K_Uls_f32	0.02547
k_CmnSysKinRatio_MtrDegpHwDeg_f32	11.12
k_CmnTbarStiff_NmpDeg_f32	1.5
k_DmpDecelGainFSlew_UlspS_f32	800.01
k_DmpDecelGain_Uls_f32	9.5
k_DmpGainOffThresh_KphpS_f32	32.3
k_DmpGainOnThresh_KphpS_f32	40.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00009
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	224

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FrqDepDmpInIntCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	352
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	20960
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	20992
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	21024
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	21056
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	21088
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	21120
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1008
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1040
t_FDD_AttenTbIY_Uls_u8p8[0]	106
t_FDD_AttenTbIY_Uls_u8p8[1]	109
t_FDD_BlendTbIY_Uls_u8p8[0]	93
t_FDD_BlendTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[2]	99
t_FDD_BlendTbIY_Uls_u8p8[3]	101
t_FDD_BlendTbIY_Uls_u8p8[4]	104
t_FDD_BlendTbIY_Uls_u8p8[5]	106
t_FDD_BlendTbIY_Uls_u8p8[6]	109
t_FDD_BlendTbIY_Uls_u8p8[7]	111
t_FDD_BlendTbIY_Uls_u8p8[8]	114
t_FDD_BlendTbIY_Uls_u8p8[9]	116
t_FDD_BlendTbIY_Uls_u8p8[10]	119
t_FDD_BlendTbIY_Uls_u8p8[11]	122

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	346		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-3.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	350.3		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	3.7		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	22.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	150.03		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126403.406	126403.41 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-343428.688	-343428.7798 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	314.997375	314.9973886 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-5.5	-5.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-37.0299988	-37.03 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	2.4666667	2.466666667 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.99539185	-3.995391 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.13 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126506.985
Prev1PreAttnComp_MtrNm_M_f32	6.6
Prev1ScIDrvVel_RadpS_M_f32	26.02
Prev2PreAttnComp_MtrNm_M_f32	8.3
Prev2ScIDrvVel_RadpS_M_f32	17.2
PrevTbarAng_HwDeg_M_f32	-1.51
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.3
TbarVelFiltSv_M_str.K_Uls_f32	0.02145
k_CmnSysKinRatio_MtrDegpHwDeg_f32	22.13
k_CmnTbarStiff_NmpDeg_f32	2.5
k_DmpDecelGainFSlew_UlspS_f32	900.03
k_DmpDecelGain_Uls_f32	1.1
k_DmpGainOffThresh_KphpS_f32	40.2
k_DmpGainOnThresh_KphpS_f32	45.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.0001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.8
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	544

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	672
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	346		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	358		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.8		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-400.2		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-3.8		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	33.05		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	160.01		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126505.188	126505.1849 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1010980	1010980.109 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-319.417603	-319.4175991 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5999999	6.6 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	26.0200005	26.02 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-1.51999998	-1.52 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.10051537	4.100515 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.14 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126608.96
Prev1PreAttnComp_MtrNm_M_f32	-6.6
Prev1ScIDrvVel_RadpS_M_f32	-33.05
Prev2PreAttnComp_MtrNm_M_f32	-7.5
Prev2ScIDrvVel_RadpS_M_f32	-922.3
PrevTbarAng_HwDeg_M_f32	1.16
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.03692
k_CmnSysKinRatio_MtrDegpHwDeg_f32	33.15
k_CmnTbarStiff_NmpDeg_f32	3.5
k_DmpDecelGainFSlew_UlspS_f32	1000.05
k_DmpDecelGain_Uls_f32	1.5
k_DmpGainOffThresh_KphpS_f32	48.2
k_DmpGainOnThresh_KphpS_f32	47.6
k_InrtCmp_MtrInertia_KgmSq_f32	0.00011
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.99
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1152
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1200
t_FDD_AttenTbIY_Uls_u8p8[0]	157
t_FDD_AttenTbIY_Uls_u8p8[1]	161
t_FDD_BlendTbIY_Uls_u8p8[0]	144
t_FDD_BlendTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[2]	149
t_FDD_BlendTbIY_Uls_u8p8[3]	152
t_FDD_BlendTbIY_Uls_u8p8[4]	154
t_FDD_BlendTbIY_Uls_u8p8[5]	157
t_FDD_BlendTbIY_Uls_u8p8[6]	159
t_FDD_BlendTbIY_Uls_u8p8[7]	162
t_FDD_BlendTbIY_Uls_u8p8[8]	164
t_FDD_BlendTbIY_Uls_u8p8[9]	167
t_FDD_BlendTbIY_Uls_u8p8[10]	169
t_FDD_BlendTbIY_Uls_u8p8[11]	172

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1434		
t_WIRBlndTblX_MtrNm_u8p8[1]	1459		
t_WIRBlndTblX_MtrNm_u8p8[2]	1485		
t_WIRBlndTblX_MtrNm_u8p8[3]	1510		
t_WIRBlndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.8		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	300.6		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	4.1		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-11.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	170.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.4		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126606.961	126606.9599 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1334381.63	1334381.785 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	296.508514	296.5085113 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5999999	-6.6 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-33.0499992	-33.05 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.17142856	1.171428571 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.15980816	-3.159808571 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.15 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126710.935
Prev1PreAttnComp_MtrNm_M_f32	7.7
Prev1ScIDrvVel_RadpS_M_f32	18.03
Prev2PreAttnComp_MtrNm_M_f32	7.5
Prev2ScIDrvVel_RadpS_M_f32	28.5
PrevTbarAng_HwDeg_M_f32	-0.92
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.2
TbarVelFiltSv_M_str.K_Uls_f32	0.01258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	44.51
k_CmnTbarStiff_NmpDeg_f32	4.5
k_DmpDecelGainFSlew_UlspS_f32	1100.02
k_DmpDecelGain_Uls_f32	1.9
k_DmpGainOffThresh_KphpS_f32	4.2
k_DmpGainOnThresh_KphpS_f32	30.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00012
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1488
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1504
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1520
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1536
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1552
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1568
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3808
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3840
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3936
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1232
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1280
t_FDD_AttenTbIY_Uls_u8p8[0]	183
t_FDD_AttenTbIY_Uls_u8p8[1]	185
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-300.1		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-4.2		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-22.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	180.05		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.6		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126710.938	126710.935 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	26591.9277	26591.92825 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-177.270554	-177.2705444 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.69999981	7.7 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	18.0300007	18.03 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.933333278	-0.933333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	5.05071735	5.050717333 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.16 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126812.91
Prev1PreAttnComp_MtrNm_M_f32	-7.7
Prev1ScIDrvVel_RadpS_M_f32	-28.5
Prev2PreAttnComp_MtrNm_M_f32	-6.5
Prev2ScIDrvVel_RadpS_M_f32	-297.3
PrevTbarAng_HwDeg_M_f32	1.145
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.2
TbarVelFiltSv_M_str.K_Uls_f32	0.03257
k_CmnSysKinRatio_MtrDegpHwDeg_f32	55.12
k_CmnTbarStiff_NmpDeg_f32	5.5
k_DmpDecelGainFSlew_UlspS_f32	1200.05
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	8.2
k_DmpGainOnThresh_KphpS_f32	35.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00013
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5280
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5312
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5344
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5376
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5408
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5440
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	2387
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1296
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1360
t_FDD_AttenTbIY_Uls_u8p8[0]	230
t_FDD_AttenTbIY_Uls_u8p8[1]	232
t_FDD_BlendTbIY_Uls_u8p8[0]	218
t_FDD_BlendTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[2]	223
t_FDD_BlendTbIY_Uls_u8p8[3]	225
t_FDD_BlendTbIY_Uls_u8p8[4]	227
t_FDD_BlendTbIY_Uls_u8p8[5]	230
t_FDD_BlendTbIY_Uls_u8p8[6]	232
t_FDD_BlendTbIY_Uls_u8p8[7]	234
t_FDD_BlendTbIY_Uls_u8p8[8]	237
t_FDD_BlendTbIY_Uls_u8p8[9]	239
t_FDD_BlendTbIY_Uls_u8p8[10]	241
t_FDD_BlendTbIY_Uls_u8p8[11]	243

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107
t_WIRBIndTblX_MtrNm_u8p8[0]	1894
t_WIRBIndTblX_MtrNm_u8p8[1]	1920
t_WIRBIndTblX_MtrNm_u8p8[2]	1946
t_WIRBIndTblX_MtrNm_u8p8[3]	1971
t_WIRBIndTblX_MtrNm_u8p8[4]	1997
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-5.4

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.17 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126914.885
Prev1PreAttnComp_MtrNm_M_f32	1.5
Prev1ScIDrvVel_RadpS_M_f32	24.6
Prev2PreAttnComp_MtrNm_M_f32	6.5
Prev2ScIDrvVel_RadpS_M_f32	382.2
PrevTbarAng_HwDeg_M_f32	-0.979
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.3
TbarVelFiltSv_M_str.K_Uls_f32	0.096321
k_CmnSysKinRatio_MtrDegpHwDeg_f32	66.13
k_CmnTbarStiff_NmpDeg_f32	6.5
k_DmpDecelGainFSlew_UlspS_f32	1300.06
k_DmpDecelGain_Uls_f32	5.6
k_DmpGainOffThresh_KphpS_f32	12.2
k_DmpGainOnThresh_KphpS_f32	40.1
k_InrtCmp_MtrInertia_KgmSq_f32	0.00014
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	11680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	11712
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	11744
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	11776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	11808
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	11840
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1246
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1638
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2030
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2422
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3206
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3598
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3990
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4382
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4774
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1344
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1440
t_FDD_AttenTbIY_Uls_u8p8[0]	71
t_FDD_AttenTbIY_Uls_u8p8[1]	74
t_FDD_BlendTbIY_Uls_u8p8[0]	3
t_FDD_BlendTbIY_Uls_u8p8[1]	5
t_FDD_BlendTbIY_Uls_u8p8[2]	8
t_FDD_BlendTbIY_Uls_u8p8[3]	10
t_FDD_BlendTbIY_Uls_u8p8[4]	13
t_FDD_BlendTbIY_Uls_u8p8[5]	15
t_FDD_BlendTbIY_Uls_u8p8[6]	18
t_FDD_BlendTbIY_Uls_u8p8[7]	20
t_FDD_BlendTbIY_Uls_u8p8[8]	23
t_FDD_BlendTbIY_Uls_u8p8[9]	26
t_FDD_BlendTbIY_Uls_u8p8[10]	28
t_FDD_BlendTbIY_Uls_u8p8[11]	31

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	5.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-200.4		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-6.4		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-44.06		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	210.03		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126912.281	126912.2849 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-756922.563	-756922.4402 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-79.67099	-79.67099743 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.5	1.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	24.6000004	24.6 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.984615386	-0.984615385 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.61537886	3.615379969 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.18 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127016.86
Prev1PreAttnComp_MtrNm_M_f32	-1.5
Prev1ScIDrvVel_RadpS_M_f32	-16.2
Prev2PreAttnComp_MtrNm_M_f32	-4.5
Prev2ScIDrvVel_RadpS_M_f32	-25.6
PrevTbarAng_HwDeg_M_f32	0.989
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.047852
k_CmnSysKinRatio_MtrDegpHwDeg_f32	77.14
k_CmnTbarStiff_NmpDeg_f32	7.5
k_DmpDecelGainFSlew_UlspS_f32	1400.05
k_DmpDecelGain_Uls_f32	2.1
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	45.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00015
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	224

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FrqDepDmpInIntCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	352
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1520
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1536
t_FDD_AttenTbIY_Uls_u8p8[0]	86
t_FDD_AttenTbIY_Uls_u8p8[1]	88
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10
t_FDD_BlendTbIY_Uls_u8p8[3]	13
t_FDD_BlendTbIY_Uls_u8p8[4]	15
t_FDD_BlendTbIY_Uls_u8p8[5]	18
t_FDD_BlendTbIY_Uls_u8p8[6]	20
t_FDD_BlendTbIY_Uls_u8p8[7]	23
t_FDD_BlendTbIY_Uls_u8p8[8]	26
t_FDD_BlendTbIY_Uls_u8p8[9]	28
t_FDD_BlendTbIY_Uls_u8p8[10]	31
t_FDD_BlendTbIY_Uls_u8p8[11]	33

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	205		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	2.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	100.8		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	7.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	11.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127014.063	127014.0599 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-12284.4609	-12284.45952 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	30.5068626	30.50686197 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-16.2000008	-16.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.69140744	1.691408 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.19 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127118.835
Prev1PreAttnComp_MtrNm_M_f32	2.5
Prev1ScIDrvVel_RadpS_M_f32	100.8
Prev2PreAttnComp_MtrNm_M_f32	4.5
Prev2ScIDrvVel_RadpS_M_f32	987.5
PrevTbarAng_HwDeg_M_f32	-0.894
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6
TbarVelFiltSv_M_str.K_Uls_f32	0.2356
k_CmnSysKinRatio_MtrDegpHwDeg_f32	88.15
k_CmnTbarStiff_NmpDeg_f32	8.5
k_DmpDecelGainFSlew_UlspS_f32	1500.02
k_DmpDecelGain_Uls_f32	2.2
k_DmpGainOffThresh_KphpS_f32	20.6
k_DmpGainOnThresh_KphpS_f32	22.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00016
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	544

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	672
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1552
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1600
t_FDD_AttenTbIY_Uls_u8p8[0]	114
t_FDD_AttenTbIY_Uls_u8p8[1]	116
t_FDD_BlendTbIY_Uls_u8p8[0]	10
t_FDD_BlendTbIY_Uls_u8p8[1]	13
t_FDD_BlendTbIY_Uls_u8p8[2]	15
t_FDD_BlendTbIY_Uls_u8p8[3]	18
t_FDD_BlendTbIY_Uls_u8p8[4]	20
t_FDD_BlendTbIY_Uls_u8p8[5]	23
t_FDD_BlendTbIY_Uls_u8p8[6]	26
t_FDD_BlendTbIY_Uls_u8p8[7]	28
t_FDD_BlendTbIY_Uls_u8p8[8]	31
t_FDD_BlendTbIY_Uls_u8p8[9]	33
t_FDD_BlendTbIY_Uls_u8p8[10]	36
t_FDD_BlendTbIY_Uls_u8p8[11]	38

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	9830		
t_WIRBIndTblX_MtrNm_u8p8[0]	1434		
t_WIRBIndTblX_MtrNm_u8p8[1]	1459		
t_WIRBIndTblX_MtrNm_u8p8[2]	1485		
t_WIRBIndTblX_MtrNm_u8p8[3]	1510		
t_WIRBIndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-2.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-100.4		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-7.6		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	12.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	511.9921875		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127115.836	127115.835 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-388429.438	-388429.5001 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-20.7490158	-20.74901587 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	100.800003	100.8 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.894117653	-0.894117647 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-1.23690033	-1.236898824 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.20 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127220.81
Prev1PreAttnComp_MtrNm_M_f32	-2.5
Prev1ScIDrvVel_RadpS_M_f32	-69.6
Prev2PreAttnComp_MtrNm_M_f32	-3.5
Prev2ScIDrvVel_RadpS_M_f32	-59.2
PrevTbarAng_HwDeg_M_f32	0.909
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.2
TbarVelFiltSv_M_str.K_Uls_f32	0.3479
k_CmnSysKinRatio_MtrDegpHwDeg_f32	99.12
k_CmnTbarStiff_NmpDeg_f32	9.5
k_DmpDecelGainFSlew_UlspS_f32	1600.03
k_DmpDecelGain_Uls_f32	2.6
k_DmpGainOffThresh_KphpS_f32	22.3
k_DmpGainOnThresh_KphpS_f32	33.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.0003
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1616
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1680
t_FDD_AttenTbIY_Uls_u8p8[0]	136
t_FDD_AttenTbIY_Uls_u8p8[1]	139
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33
t_FDD_BlendTbIY_Uls_u8p8[9]	36
t_FDD_BlendTbIY_Uls_u8p8[10]	38
t_FDD_BlendTbIY_Uls_u8p8[11]	41

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	1.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	150.5		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	8.7		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	13.05		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	250.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127217.609	127217.6099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-34957.4961	-34957.49739 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	16.6422844	16.64228823 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-69.5999985	-69.6 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.915789425	0.915789474 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.96354413	1.963548947 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.21 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127322.785
Prev1PreAttnComp_MtrNm_M_f32	-3.5
Prev1ScIDrvVel_RadpS_M_f32	-49.2
Prev2PreAttnComp_MtrNm_M_f32	-2.4
Prev2ScIDrvVel_RadpS_M_f32	-366.2
PrevTbarAng_HwDeg_M_f32	-6.771
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.2244
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.02
k_CmnTbarStiff_NmpDeg_f32	1.3
k_DmpDecelGainFSlew_UlspS_f32	1700.05
k_DmpDecelGain_Uls_f32	2.1
k_DmpGainOffThresh_KphpS_f32	16.2
k_DmpGainOnThresh_KphpS_f32	44.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00031
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	64

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	192
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1728
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1760
t_FDD_AttenTbIY_Uls_u8p8[0]	166
t_FDD_AttenTbIY_Uls_u8p8[1]	166
t_FDD_BlendTbIY_Uls_u8p8[0]	15
t_FDD_BlendTbIY_Uls_u8p8[1]	18
t_FDD_BlendTbIY_Uls_u8p8[2]	20
t_FDD_BlendTbIY_Uls_u8p8[3]	23
t_FDD_BlendTbIY_Uls_u8p8[4]	26
t_FDD_BlendTbIY_Uls_u8p8[5]	28
t_FDD_BlendTbIY_Uls_u8p8[6]	31
t_FDD_BlendTbIY_Uls_u8p8[7]	33
t_FDD_BlendTbIY_Uls_u8p8[8]	36
t_FDD_BlendTbIY_Uls_u8p8[9]	38
t_FDD_BlendTbIY_Uls_u8p8[10]	41
t_FDD_BlendTbIY_Uls_u8p8[11]	44

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	282		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-1.6		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-150.6		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-8.8		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	14.06		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	220.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	0		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127319.383	127319.3849 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	527959.5	527959.4157 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-135.810211	-135.810175 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.5	-3.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-49.2000008	-49.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-6.76923132	-6.769230769 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.96496433	-0.964892308 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.22 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	8787
Prev1PreAttnComp_MtrNm_M_f32	4.5
Prev1ScIDrvVel_RadpS_M_f32	22.3
Prev2PreAttnComp_MtrNm_M_f32	2.4
Prev2ScIDrvVel_RadpS_M_f32	115.2
PrevTbarAng_HwDeg_M_f32	3.403
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	2.6
TbarVelFiltSv_M_str.K_Uls_f32	0.3366
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.03
k_CmnTbarStiff_NmpDeg_f32	2.7
k_DmpDecelGainFSlew_UlspS_f32	1800.06
k_DmpDecelGain_Uls_f32	2.2
k_DmpGainOffThresh_KphpS_f32	20.3
k_DmpGainOnThresh_KphpS_f32	8.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.00032
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1776
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1840
t_FDD_AttenTbIY_Uls_u8p8[0]	189
t_FDD_AttenTbIY_Uls_u8p8[1]	191
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	307		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	1.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	250.02		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	9.2		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	15.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	230.03		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	8.8		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	8783.39941	8783.39988 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-3935.75269	-3935.753195 ± 0.009	✔
Prev1SclDrvVel_RadpS_M_f32	250.816666	250.8166781 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	22.2999992	22.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	3.40740728	3.407407407 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.46656632	2.466606667 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.23 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	45678
Prev1PreAttnComp_MtrNm_M_f32	-4.5
Prev1ScIDrvVel_RadpS_M_f32	-48.5
Prev2PreAttnComp_MtrNm_M_f32	-1.1
Prev2ScIDrvVel_RadpS_M_f32	-380.2
PrevTbarAng_HwDeg_M_f32	-3.06
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.4488
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.25
k_CmnTbarStiff_NmpDeg_f32	3.1
k_DmpDecelGainFSlew_UlspS_f32	1900.08
k_DmpDecelGain_Uls_f32	2.6
k_DmpGainOffThresh_KphpS_f32	22.5
k_DmpGainOnThresh_KphpS_f32	16.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00033
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.7
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1920
t_FDD_AttenTbIY_Uls_u8p8[0]	237
t_FDD_AttenTbIY_Uls_u8p8[1]	239
t_FDD_BlendTbIY_Uls_u8p8[0]	20
t_FDD_BlendTbIY_Uls_u8p8[1]	23
t_FDD_BlendTbIY_Uls_u8p8[2]	26
t_FDD_BlendTbIY_Uls_u8p8[3]	28
t_FDD_BlendTbIY_Uls_u8p8[4]	31
t_FDD_BlendTbIY_Uls_u8p8[5]	33
t_FDD_BlendTbIY_Uls_u8p8[6]	36
t_FDD_BlendTbIY_Uls_u8p8[7]	38
t_FDD_BlendTbIY_Uls_u8p8[8]	41
t_FDD_BlendTbIY_Uls_u8p8[9]	44
t_FDD_BlendTbIY_Uls_u8p8[10]	46
t_FDD_BlendTbIY_Uls_u8p8[11]	49

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	346		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1434		
t_WIRBlndTblX_MtrNm_u8p8[1]	1459		
t_WIRBlndTblX_MtrNm_u8p8[2]	1485		
t_WIRBlndTblX_MtrNm_u8p8[3]	1510		
t_WIRBlndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-1.1		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-250.03		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-9.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	35.01		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	240.05		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.5		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	45674.1992	45674.19984 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	57899.4453	57899.44082 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-176.861588	-176.8615543 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.5	-4.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-48.5	-48.5 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-3.06451631	-3.064516129 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.39147186	-2.391419355 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.24 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127628.71
Prev1PreAttnComp_MtrNm_M_f32	6.5
Prev1ScIDrvVel_RadpS_M_f32	163.6
Prev2PreAttnComp_MtrNm_M_f32	1.1
Prev2ScIDrvVel_RadpS_M_f32	175.3
PrevTbarAng_HwDeg_M_f32	1.154
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.2
TbarVelFiltSv_M_str.K_Uls_f32	0.5599
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.06
k_CmnTbarStiff_NmpDeg_f32	1.3
k_DmpDecelGainFSlew_UlspS_f32	200.09
k_DmpDecelGain_Uls_f32	2.8
k_DmpGainOffThresh_KphpS_f32	22.2
k_DmpGainOnThresh_KphpS_f32	24.6
k_InrtCmp_MtrInertia_KgmSq_f32	0.00034
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	384
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2000
t_FDD_AttenTbIY_Uls_u8p8[0]	49
t_FDD_AttenTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[0]	49
t_FDD_BlendTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[2]	54
t_FDD_BlendTbIY_Uls_u8p8[3]	57
t_FDD_BlendTbIY_Uls_u8p8[4]	60
t_FDD_BlendTbIY_Uls_u8p8[5]	63
t_FDD_BlendTbIY_Uls_u8p8[6]	66
t_FDD_BlendTbIY_Uls_u8p8[7]	68
t_FDD_BlendTbIY_Uls_u8p8[8]	71
t_FDD_BlendTbIY_Uls_u8p8[9]	74
t_FDD_BlendTbIY_Uls_u8p8[10]	77
t_FDD_BlendTbIY_Uls_u8p8[11]	80

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	346		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	358		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	2.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	450.25		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-35.06		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	260.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127628.313	127628.3098 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-25875.293	-25875.2916 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	270.225586	270.2255612 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5	6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	163.600006	163.6 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.15384614	1.153846154 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.36523604	1.365250769 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.25 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127730.685
Prev1PreAttnComp_MtrNm_M_f32	-6.5
Prev1ScIDrvVel_RadpS_M_f32	-90.23
Prev2PreAttnComp_MtrNm_M_f32	-8.1
Prev2ScIDrvVel_RadpS_M_f32	-120.1
PrevTbarAng_HwDeg_M_f32	-0.554
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.5
TbarVelFiltSv_M_str.K_Uls_f32	0.1258
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.02
k_CmnTbarStiff_NmpDeg_f32	2.7
k_DmpDecelGainFSlew_UlspS_f32	300.06
k_DmpDecelGain_Uls_f32	3.5
k_DmpGainOffThresh_KphpS_f32	33.2
k_DmpGainOnThresh_KphpS_f32	32.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00035
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1793
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	704
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	832
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1920
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2080
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	65
t_FDD_BlendTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[2]	70
t_FDD_BlendTbIY_Uls_u8p8[3]	73
t_FDD_BlendTbIY_Uls_u8p8[4]	75
t_FDD_BlendTbIY_Uls_u8p8[5]	78
t_FDD_BlendTbIY_Uls_u8p8[6]	80
t_FDD_BlendTbIY_Uls_u8p8[7]	83
t_FDD_BlendTbIY_Uls_u8p8[8]	86
t_FDD_BlendTbIY_Uls_u8p8[9]	88
t_FDD_BlendTbIY_Uls_u8p8[10]	91
t_FDD_BlendTbIY_Uls_u8p8[11]	93

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-2.2		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-450.14		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-1.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	30.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	270.06		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127730.086	127730.0849 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	44157.7891	44157.78752 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-224.675308	-224.6753087 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5	-6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-90.2300034	-90.23 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.555555522	-0.555555556 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.83605886	3.836055556 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.26 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127832.66
Prev1PreAttnComp_MtrNm_M_f32	7.5
Prev1ScIDrvVel_RadpS_M_f32	-1100.2
Prev2PreAttnComp_MtrNm_M_f32	8.1
Prev2ScIDrvVel_RadpS_M_f32	-36.2
PrevTbarAng_HwDeg_M_f32	0.8
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.5
TbarVelFiltSv_M_str.K_Uls_f32	0.2365
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.12
k_CmnTbarStiff_NmpDeg_f32	3.1
k_DmpDecelGainFSlew_UlspS_f32	200.02
k_DmpDecelGain_Uls_f32	3.9
k_DmpGainOffThresh_KphpS_f32	15.2
k_DmpGainOnThresh_KphpS_f32	40.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00036
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.89
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	2387
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1344
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	2080
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2160
t_FDD_AttenTbIY_Uls_u8p8[0]	93
t_FDD_AttenTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[0]	93
t_FDD_BlendTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[2]	99
t_FDD_BlendTbIY_Uls_u8p8[3]	101
t_FDD_BlendTbIY_Uls_u8p8[4]	104
t_FDD_BlendTbIY_Uls_u8p8[5]	106
t_FDD_BlendTbIY_Uls_u8p8[6]	109
t_FDD_BlendTbIY_Uls_u8p8[7]	111
t_FDD_BlendTbIY_Uls_u8p8[8]	114
t_FDD_BlendTbIY_Uls_u8p8[9]	116
t_FDD_BlendTbIY_Uls_u8p8[10]	119
t_FDD_BlendTbIY_Uls_u8p8[11]	122

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	794		
t_WIRBlndTblX_MtrNm_u8p8[1]	819		
t_WIRBlndTblX_MtrNm_u8p8[2]	845		
t_WIRBlndTblX_MtrNm_u8p8[3]	870		
t_WIRBlndTblX_MtrNm_u8p8[4]	896		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	3.3		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	550.2		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	280.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.2		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127832.258	127832.26 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-2236951.25	-2236951.286 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	488.806824	488.8068117 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.5	7.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-1100.19995	-1100.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451613 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.67284751	-2.672846774 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.27 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127934.635
Prev1PreAttnComp_MtrNm_M_f32	-7.5
Prev1ScIDrvVel_RadpS_M_f32	250.05
Prev2PreAttnComp_MtrNm_M_f32	-7.7
Prev2ScIDrvVel_RadpS_M_f32	11.5
PrevTbarAng_HwDeg_M_f32	-0.51
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.35874
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.12
k_CmnTbarStiff_NmpDeg_f32	4.8
k_DmpDecelGainFSlew_UlspS_f32	300.03
k_DmpDecelGain_Uls_f32	3.7
k_DmpGainOffThresh_KphpS_f32	20.2
k_DmpGainOnThresh_KphpS_f32	48.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00037
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1680
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2240
t_FDD_AttenTbIY_Uls_u8p8[0]	116
t_FDD_AttenTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[0]	116
t_FDD_BlendTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[2]	121
t_FDD_BlendTbIY_Uls_u8p8[3]	123
t_FDD_BlendTbIY_Uls_u8p8[4]	126
t_FDD_BlendTbIY_Uls_u8p8[5]	129
t_FDD_BlendTbIY_Uls_u8p8[6]	131
t_FDD_BlendTbIY_Uls_u8p8[7]	134
t_FDD_BlendTbIY_Uls_u8p8[8]	136
t_FDD_BlendTbIY_Uls_u8p8[9]	139
t_FDD_BlendTbIY_Uls_u8p8[10]	141
t_FDD_BlendTbIY_Uls_u8p8[11]	144

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1050		
t_WIRBlndTblX_MtrNm_u8p8[1]	1075		
t_WIRBlndTblX_MtrNm_u8p8[2]	1101		
t_WIRBlndTblX_MtrNm_u8p8[3]	1126		
t_WIRBlndTblX_MtrNm_u8p8[4]	1152		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-3.3		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-550.3		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	290.01		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127934.031	127934.0349 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	415103.719	415103.7843 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-164.116653	-164.1166652 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-7.5	-7.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	250.050003	250.05 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.520833313	-0.520833333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.58375692	1.583755 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.28 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128036.61
Prev1PreAttnComp_MtrNm_M_f32	8.5
Prev1ScIDrvVel_RadpS_M_f32	5000.03
Prev2PreAttnComp_MtrNm_M_f32	7.7
Prev2ScIDrvVel_RadpS_M_f32	-38.3
PrevTbarAng_HwDeg_M_f32	0.66
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.47856
k_CmnSysKinRatio_MtrDegpHwDeg_f32	46.32
k_CmnTbarStiff_NmpDeg_f32	5.2
k_DmpDecelGainFSlew_UlspS_f32	100.05
k_DmpDecelGain_Uls_f32	4.8
k_DmpGainOffThresh_KphpS_f32	25.3
k_DmpGainOnThresh_KphpS_f32	4.2
k_InrtCmp_MtrInertia_KgmSq_f32	0.00038
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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FrqDepDmpInIntCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1648
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2320
t_FDD_AttenTbIY_Uls_u8p8[0]	144
t_FDD_AttenTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[0]	144
t_FDD_BlendTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[2]	149
t_FDD_BlendTbIY_Uls_u8p8[3]	152
t_FDD_BlendTbIY_Uls_u8p8[4]	154
t_FDD_BlendTbIY_Uls_u8p8[5]	157
t_FDD_BlendTbIY_Uls_u8p8[6]	159
t_FDD_BlendTbIY_Uls_u8p8[7]	162
t_FDD_BlendTbIY_Uls_u8p8[8]	164
t_FDD_BlendTbIY_Uls_u8p8[9]	167
t_FDD_BlendTbIY_Uls_u8p8[10]	169
t_FDD_BlendTbIY_Uls_u8p8[11]	172

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	4.4		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	650.01		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	3.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	305.05		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128036.406	128036.4099 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	34435492	34435493.31 ± 99.9	✔
Prev1SclDrvVel_RadpS_M_f32	130.127335	130.127343 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.5	8.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	5000.02979	5000.03 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.673076928	0.673076923 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	0.261120796	0.261126154 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.29 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128138.585
Prev1PreAttnComp_MtrNm_M_f32	-8.5
Prev1ScIDrvVel_RadpS_M_f32	-26.3
Prev2PreAttnComp_MtrNm_M_f32	-6.6
Prev2ScIDrvVel_RadpS_M_f32	175.2
PrevTbarAng_HwDeg_M_f32	-0.51
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.1
TbarVelFiltSv_M_str.K_Uls_f32	0.58963
k_CmnSysKinRatio_MtrDegpHwDeg_f32	28.12
k_CmnTbarStiff_NmpDeg_f32	6.8
k_DmpDecelGainFSlew_UlspS_f32	200.02
k_DmpDecelGain_Uls_f32	5.9
k_DmpGainOffThresh_KphpS_f32	30.2
k_DmpGainOnThresh_KphpS_f32	8.3
k_InrtCmp_MtrInertia_KgmSq_f32	0.00039
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1344

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1472
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1616
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2400
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-4.4		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-650.08		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-3.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-10.02		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	315.04		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128138.188	128138.185 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-420468.938	-420469.0063 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-64.6186523	-64.61864443 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.5	-8.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-26.2999992	-26.3 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.514705896	-0.514705882 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.11588478	1.115892294 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.30 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128240.56
Prev1PreAttnComp_MtrNm_M_f32	1.3
Prev1ScIDrvVel_RadpS_M_f32	18.2
Prev2PreAttnComp_MtrNm_M_f32	6.6
Prev2ScIDrvVel_RadpS_M_f32	-120.8
PrevTbarAng_HwDeg_M_f32	20
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.63214
k_CmnSysKinRatio_MtrDegpHwDeg_f32	85.13
k_CmnTbarStiff_NmpDeg_f32	0.5
k_DmpDecelGainFSlew_UlspS_f32	300.03
k_DmpDecelGain_Uls_f32	5.8
k_DmpGainOffThresh_KphpS_f32	35.3
k_DmpGainOnThresh_KphpS_f32	12.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.0004
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	832
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	848
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	864
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	880
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	896
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	912
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	928
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	944
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	960
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	976
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	992
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1184

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1312
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1648
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2480
t_FDD_AttenTbIY_Uls_u8p8[0]	218
t_FDD_AttenTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[0]	218
t_FDD_BlendTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[2]	223
t_FDD_BlendTbIY_Uls_u8p8[3]	225
t_FDD_BlendTbIY_Uls_u8p8[4]	227
t_FDD_BlendTbIY_Uls_u8p8[5]	230
t_FDD_BlendTbIY_Uls_u8p8[6]	232
t_FDD_BlendTbIY_Uls_u8p8[7]	234
t_FDD_BlendTbIY_Uls_u8p8[8]	237
t_FDD_BlendTbIY_Uls_u8p8[9]	239
t_FDD_BlendTbIY_Uls_u8p8[10]	241
t_FDD_BlendTbIY_Uls_u8p8[11]	243

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	538		
t_WIRBlndTblX_MtrNm_u8p8[1]	563		
t_WIRBlndTblX_MtrNm_u8p8[2]	589		
t_WIRBlndTblX_MtrNm_u8p8[3]	614		
t_WIRBlndTblX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	5.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	110.05		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.03		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	325.02		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.3		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_I	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSi	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_Hwl	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcco	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_I	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128239.961	128239.9599 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	224855.719	224855.71732493 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	42.4358139	42.4358127289631 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.3 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	18.2000008	18.2 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	20	20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-1.28751016	-1.28751 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.8 ± 0.00048828125	✔

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

TEST DETAILS REPORT

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Project	FDD_Inertia
Module	FDD_Inertia
Test Object	FrqDepDmpnInrtCmp_Init

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

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Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

TEST DETAILS REPORT

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Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

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Test Case 1: Boundary Test

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

CPU Cycles:

TS1.1 116.00 Cycles
TS1.2 117.00 Cycles
TS1.3 116.00 Cycles
TS1.4 117.00 Cycles
TS1.5 117.00 Cycles
TS1.6 115.00 Cycles
TS1.7 115.00 Cycles
TS1.8 117.00 Cycles
TS1.9 117.00 Cycles
TS1.10 118.00 Cycles
TS1.11 118.00 Cycles
TS1.12 115.00 Cycles
TS1.13 115.00 Cycles

Description Test Vector Description:

TS1.1 All min
TS1.2 All max
TS1.3 k_InrtCmp_TBarVelLPFKn_Hz_f32 = min
TS1.4 k_InrtCmp_TBarVelLPFKn_Hz_f32 = max
TS1.5 k_InrtCmp_TBarVelLPFKn_Hz_f32 = mid
TS1.6 TbarVelFiltSv_M_str.K = min
TS1.7 TbarVelFiltSv_M_str.K = max
TS1.8 TbarVelFiltSv_M_str.K = mid
TS1.9 TbarVelFiltSv_M_str.SV = min
TS1.10 TbarVelFiltSv_M_str.SV = max
TS1.11 TbarVelFiltSv_M_str.SV = zero
TS1.12 TbarVelFiltSv_M_str.SV = pos
TS1.13 TbarVelFiltSv_M_str.SV = neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989		
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798		
k_InrtCmp_TBarVelLPFKn_Hz_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.000125655810790826	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989		
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444		
k_InrtCmp_TBarVelLPFKn_Hz_f32	100		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444	0.715390444 ± 0.000125655810790826	✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	1.25460005		
TbarVelFiltSv_M_str.K_Uls_f32	0.374119997		
k_InrtCmp_TBarVelLPFKn_Hz_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.000125655810790826	✓

Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.68739986		
TbarVelFiltSv_M_str.K_Uls_f32	0.269800007		
k_InrtCmp_TBarVelLPFKn_Hz_f32	100		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓

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Name	Actual Value	Expected Value	Result
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444	0.715390444 ± 0.000125655810790826	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	4.5632		
TbarVelFiltSv_M_str.K_Uls_f32	0.145229995		
k_InrtCmp_TBarVelLPFKn_Hz_f32	50.2299995		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.468051612	0.468051612 ± 0.000125655810790826	✓

Test Step 1.6 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	2.55769992
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798
k_InrtCmp_TBarVelLPFKn_Hz_f32	25.2000008

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.271430731	0.271430701 ± 0.000125655810790826	✓

Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	3.99850011		
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444		
k_InrtCmp_TBarVelLPFKn_Hz_f32	26		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.278718412	0.278718382 ± 0.000125655810790826	✓

Test Step 1.8 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	-4.12300014		
TbarVelFiltSv_M_str.K_Uls_f32	0.587459981		
k_InrtCmp_TBarVelLPFKn_Hz_f32	35.25		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.357870042	0.357870042 ± 0.000125655810790826	✓

Test Step 1.9 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.532140017
k_InrtCmp_TBarVelLPFKn_Hz_f32	84

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.652007818	0.652007759 ± 0.000125655810790826	✓

Test Step 1.10 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001

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Name	Input Value		
k_InrtCmp_TBarVelLPFKn_Hz_f32	95.0100021		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.696972251	0.696972251 ± 0.000125655810790826	✓

Test Step 1.11 (Repeat Count = 1) ✓

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	0		
TbarVelFiltSv_M_str.K_Uls_f32	0.0258959997		
k_InrtCmp_TBarVelLPFKn_Hz_f32	41.2000008		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.404131055	0.404131025 ± 0.000125655810790826	✓

Test Step 1.12 (Repeat Count = 1) ✓

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	5.69869995		
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981		
k_InrtCmp_TBarVelLPFKn_Hz_f32	56.3499985		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.507428169	0.507428169 ± 0.000125655810790826	✓

Test Step 1.13 (Repeat Count = 1) ✓

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.14230013		
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001		
k_InrtCmp_TBarVelLPFKn_Hz_f32	63.25		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.54833883	0.54833883 ± 0.000125655810790826	✓

TEST DETAILS REPORT

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DriverVelCalc

Project	FDD_Inertia
Module	FDD_Inertia
Test Object	DriverVelCalc

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

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DriverVelCalc



Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NtrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NtrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of iv□</p>

TEST DETAILS REPORT

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DriverVeICalc



Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Boundary Test

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

CPU Cycles:

TS1.1 329.00 Cycles
 TS1.2 341.00 Cycles
 TS1.3 341.00 Cycles
 TS1.4 341.00 Cycles
 TS1.5 341.00 Cycles
 TS1.6 341.00 Cycles
 TS1.7 497.00 Cycles
 TS1.8 341.00 Cycles
 TS1.9 329.00 Cycles
 TS1.10 329.00 Cycles
 TS1.11 329.00 Cycles
 TS1.12 417.00 Cycles
 TS1.13 329.00 Cycles
 TS1.14 341.00 Cycles
 TS1.15 417.00 Cycles
 TS1.16 341.00 Cycles
 TS1.17 397.00 Cycles
 TS1.18 329.00 Cycles
 TS1.19 329.00 Cycles
 TS1.20 329.00 Cycles
 TS1.21 427.00 Cycles
 TS1.22 341.00 Cycles
 TS1.23 341.00 Cycles
 TS1.24 341.00 Cycles
 TS1.25 341.00 Cycles
 TS1.26 407.00 Cycles
 TS1.27 341.00 Cycles
 TS1.28 341.00 Cycles
 TS1.29 341.00 Cycles
 TS1.30 341.00 Cycles
 TS1.31 329.00 Cycles
 TS1.32 341.00 Cycles
 TS1.33 341.00 Cycles
 TS1.34 329.00 Cycles
 TS1.35 341.00 Cycles
 TS1.36 341.00 Cycles
 TS1.37 341.00 Cycles
 TS1.38 341.00 Cycles
 TS1.39 341.00 Cycles
 TS1.40 341.00 Cycles
 TS1.41 341.00 Cycles
 TS1.42 341.00 Cycles
 TS1.43 341.00 Cycles

Description Test Vector Description

TS1.1 HwTroque_HwNm_T_f32 = min
 TS1.2 HwTroque_HwNm_T_f32 = max
 TS1.3 HwTroque_HwNm_T_f32 = zero
 TS1.4 HwTroque_HwNm_T_f32 = neg
 TS1.5 HwTroque_HwNm_T_f32 = pos
 TS1.6 CRFMotorVel_MtrRadpS_T_f32 = min
 TS1.7 CRFMotorVel_MtrRadpS_T_f32 = max
 TS1.8 CRFMotorVel_MtrRadpS_T_f32 = zero
 TS1.9 CRFMotorVel_MtrRadpS_T_f32 = neg
 TS1.10 CRFMotorVel_MtrRadpS_T_f32 = pos
 TS1.11 VehicleSpeed_Kph_T_f32 = min
 TS1.12 VehicleSpeed_Kph_T_f32 = max
 TS1.13 VehicleSpeed_Kph_T_f32 = pos
 TS1.14 PrevTbarAng_HwDeg_M_f32 = min
 TS1.15 PrevTbarAng_HwDeg_M_f32 = max
 TS1.16 PrevTbarAng_HwDeg_M_f32 = zero
 TS1.17 PrevTbarAng_HwDeg_M_f32 = neg
 TS1.18 PrevTbarAng_HwDeg_M_f32 = pos
 TS1.19 k_CmnTbarStiff_NmpDeg_f32 = min
 TS1.20 k_CmnTbarStiff_NmpDeg_f32 = max
 TS1.21 k_CmnTbarStiff_NmpDeg_f32 = mid
 TS1.22 k_CmnSysKinRatio_MtrDegpHwDeg_f32 = min
 TS1.23 k_CmnSysKinRatio_MtrDegpHwDeg_f32 = max
 TS1.24 k_CmnSysKinRatio_MtrDegpHwDeg_f32 = mid
 TS1.25 t_CmnVehSpd_Kph_u9p7[12] = min
 TS1.26 t_CmnVehSpd_Kph_u9p7[12] = max
 TS1.27 t_CmnVehSpd_Kph_u9p7[12] = mid
 TS1.28 t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = min
 TS1.29 t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = max
 TS1.30 t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = mid
 TS1.31 k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = min
 TS1.32 k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = max
 TS1.33 k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = mid
 TS1.34 TbarVelFiltSv_M_str.K = min
 TS1.35 TbarVelFiltSv_M_str.K = max
 TS1.36 TbarVelFiltSv_M_str.K = mid
 TS1.37 TbarVelFiltSv_M_str.SV = min
 TS1.38 TbarVelFiltSv_M_str.SV = max
 TS1.39 TbarVelFiltSv_M_str.SV = zero
 TS1.40 TbarVelFiltSv_M_str.SV = pos
 TS1.41 TbarVelFiltSv_M_str.SV = neg
 TS1.42 All min
 TS1.43 All max

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-1118

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DriverVelCalc

Name	Input Value		
HwTorque_HwNm_T_f32	-10		
PrevTbarAng_HwDeg_M_f32	-20		
TbarVelFiltSv_M_str.SV_Uls_f32	-6.6667		
TbarVelFiltSv_M_str.K_Uls_f32	0.001255848		
VehicleSpeed_Kph_T_f32	0		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	1		
k_CmnTbarStiff_NmpDeg_f32	0.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	0		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-0	0 ± 0.000009	✔
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-6.65832758	-6.658327638 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	1118
HwTorque_HwNm_T_f32	10
PrevTbarAng_HwDeg_M_f32	20
TbarVelFiltSv_M_str.SV_Uls_f32	6.6667
TbarVelFiltSv_M_str.K_Uls_f32	0.715390457
VehicleSpeed_Kph_T_f32	511.9921875
k_CmnSysKinRatio_MtrDegpHwDeg_f32	100
k_CmnTbarStiff_NmpDeg_f32	10
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	128

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	128		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-10740.3115	-10740.31169 ± 0.09	✓
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-6794.31201	-6794.311935 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.3 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.5		
HwTorque_HwNm_T_f32	-10		
PrevTbarAng_HwDeg_M_f32	-8.33		
TbarVelFiltSv_M_str.SV_Uls_f32	1.2587		
TbarVelFiltSv_M_str.K_Uls_f32	0.1258		
VehicleSpeed_Kph_T_f32	100.02		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.2		
k_CmnTbarStiff_NmpDeg_f32	1.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	15		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	90.4685822	90.46858168 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.333333333 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0.890704095	0.890688873 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.4 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-100.6		
HwTorque_HwNm_T_f32	10		
PrevTbarAng_HwDeg_M_f32	3.9995		
TbarVelFiltSv_M_str.SV_Uls_f32	2.3697		
TbarVelFiltSv_M_str.K_Uls_f32	0.2365		

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DriverVelCalc

Name	Input Value		
VehicleSpeed_Kph_T_f32	200.03		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.3		
k_CmnTbarStiff_NmpDeg_f32	2.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.8		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	3		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	4		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	5		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	6		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	8		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	9		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	10		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	12		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	13		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	14		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	15		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	17		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-80.3920822	-80.39208153 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	4	4 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.86838663	1.86839095 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.5 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	200.2
HwTorque_HwNm_T_f32	0
PrevTbarAng_HwDeg_M_f32	0.01
TbarVelFiltSv_M_str.SV_Uls_f32	3.2145
TbarVelFiltSv_M_str.K_Uls_f32	0.35874
VehicleSpeed_Kph_T_f32	300.05
k_CmnSysKinRatio_MtrDegpHwDeg_f32	30.4
k_CmnTbarStiff_NmpDeg_f32	3.4
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.7
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	5
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	6
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	8
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	13
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	14
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	15
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	17

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	19		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	140.161072	140.161078 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0.267630339	0.26763027 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.6 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-200.1		
HwTorque_HwNm_T_f32	-5.5		
PrevTbarAng_HwDeg_M_f32	-1.221		
TbarVelFiltSv_M_str.SV_Uls_f32	4.5623		
TbarVelFiltSv_M_str.K_Uls_f32	0.47856		
VehicleSpeed_Kph_T_f32	400.06		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	40.5		
k_CmnTbarStiff_NmpDeg_f32	4.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	6		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	20		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-119.829559	-119.8295518 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-1.22222221	-1.22222222 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.08650517	2.086512379 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	300.03		
HwTorque_HwNm_T_f32	5.2		
PrevTbarAng_HwDeg_M_f32	0.92987		
TbarVelFiltSv_M_str.SV_Uls_f32	5.8745		
TbarVelFiltSv_M_str.K_Uls_f32	0.58963		
VehicleSpeed_Kph_T_f32	123.07		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	50.6		
k_CmnTbarStiff_NmpDeg_f32	5.6		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	8		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	9		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	10		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	12		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	13		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	14		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	15		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	17		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	18		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	19		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	20		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	22		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	150.29483	150.2948274 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.928571403	0.928571429 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.02786994	2.027880229 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.8 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-1118		
HwTorque_HwNm_T_f32		1.6		
PrevTbarAng_HwDeg_M_f32		0.2461		
TbarVelFiltSv_M_str.SV_Uls_f32		-2.369		
TbarVelFiltSv_M_str.K_Uls_f32		0.63214		
VehicleSpeed_Kph_T_f32		150.08		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		60.8		
k_CmnTbarStiff_NmpDeg_f32		6.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.4		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		9		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		10		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		12		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		13		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		14		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		15		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		17		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		18		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		19		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		20		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		22		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		23		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-447.362946	-447.3629225 ± 0.0009	

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DriverVelCalc

Name	Actual Value	Expected Value	Result
PrevTbarAng_HwDeg_M_f32	0.246153846	0.246153846 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-0.854439139	-0.854441186 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.9 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	1118
HwTorque_HwNm_T_f32	-1.2
PrevTbarAng_HwDeg_M_f32	-0.15321
TbarVelFiltSv_M_str.SV_Uls_f32	-3.124
TbarVelFiltSv_M_str.K_Uls_f32	0.014785
VehicleSpeed_Kph_T_f32	16.25
k_CmnSysKinRatio_MtrDegpHwDeg_f32	70.1
k_CmnTbarStiff_NmpDeg_f32	7.8
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	13
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	14
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	15
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	17
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	18
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	19
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	20
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	22
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	23
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	24

Name	Actual Value	Expected Value	Result
DriverVelCalc()	335.105377	335.1053608 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-0.15384616	-0.153846154 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-3.08251452	-3.082514427 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.10 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	0
HwTorque_HwNm_T_f32	2.2
PrevTbarAng_HwDeg_M_f32	0.27
TbarVelFiltSv_M_str.SV_Uls_f32	-4.5511
TbarVelFiltSv_M_str.K_Uls_f32	0.025896
VehicleSpeed_Kph_T_f32	58.63
k_CmnSysKinRatio_MtrDegpHwDeg_f32	80.2
k_CmnTbarStiff_NmpDeg_f32	8.1
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	24		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	26		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	27		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	29		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	30		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	31		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	33		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	34		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	36		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	37		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	38		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	40		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-1.15806818	-1.15806835 ± 0.000009	✔
PrevTbarAng_HwDeg_M_f32	0.271604925	0.271604938 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-4.41246414	-4.412463974 ± 0.00390625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 1.11 (Repeat Count = 1)				✓
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-450		
HwTorque_HwNm_T_f32		-2.7		
PrevTbarAng_HwDeg_M_f32		-0.292		
TbarVelFiltSv_M_str.SV_Uls_f32		-5.7412		
TbarVelFiltSv_M_str.K_Uls_f32		0.03698		
VehicleSpeed_Kph_T_f32		22.51		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		90.5		
k_CmnTbarStiff_NmpDeg_f32		9.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.1		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		33		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		34		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		35		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		36		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		38		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		39		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		40		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		41		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		43		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		44		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		45		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		47		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-47.2626114	-47.26260964 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32		-0.29347828	-0.293478261 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32		-5.55622387	-5.556223467 ± 0.00390625	✓

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DriverVelCalc



T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.12 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	400			
HwTorque_HwNm_T_f32	3.6			
PrevTbarAng_HwDeg_M_f32	2.39			
TbarVelFiltSv_M_str.SV_Uls_f32	1.2587			
TbarVelFiltSv_M_str.K_Uls_f32	0.02547			
VehicleSpeed_Kph_T_f32	33.25			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	11.2			
k_CmnTbarStiff_NmpDeg_f32	1.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9			
t_CmnVehSpd_Kph_u9p7[0]	3968			
t_CmnVehSpd_Kph_u9p7[1]	4096			
t_CmnVehSpd_Kph_u9p7[2]	4224			
t_CmnVehSpd_Kph_u9p7[3]	4352			
t_CmnVehSpd_Kph_u9p7[4]	4480			
t_CmnVehSpd_Kph_u9p7[5]	4608			
t_CmnVehSpd_Kph_u9p7[6]	4736			
t_CmnVehSpd_Kph_u9p7[7]	4864			
t_CmnVehSpd_Kph_u9p7[8]	4992			
t_CmnVehSpd_Kph_u9p7[9]	5120			
t_CmnVehSpd_Kph_u9p7[10]	5248			
t_CmnVehSpd_Kph_u9p7[11]	5376			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	47			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	48			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	51			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	52			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	53			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	56			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	57			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	60			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	61			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	360.101318	360.1013205 ± 0.0009	✓	
PrevTbarAng_HwDeg_M_f32	2.39999986	2.4 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	1.35398781	1.353990911 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.13 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-300.12			
HwTorque_HwNm_T_f32	-3.1			
PrevTbarAng_HwDeg_M_f32	-1.239			
TbarVelFiltSv_M_str.SV_Uls_f32	2.3697			
TbarVelFiltSv_M_str.K_Uls_f32	0.02145			
VehicleSpeed_Kph_T_f32	0			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	22.3			
k_CmnTbarStiff_NmpDeg_f32	2.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.8			
t_CmnVehSpd_Kph_u9p7[0]	128			
t_CmnVehSpd_Kph_u9p7[1]	256			
t_CmnVehSpd_Kph_u9p7[2]	384			
t_CmnVehSpd_Kph_u9p7[3]	512			
t_CmnVehSpd_Kph_u9p7[4]	640			
t_CmnVehSpd_Kph_u9p7[5]	768			
t_CmnVehSpd_Kph_u9p7[6]	896			
t_CmnVehSpd_Kph_u9p7[7]	1024			

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DriverVelCalc



Name	Input Value		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	58		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	59		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	62		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	63		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	64		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-239.688934	-239.6889354 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-1.2400001	-1.24 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.30814433	2.308144935 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.14 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	699.23		
HwTorque_HwNm_T_f32	4.2		
PrevTbarAng_HwDeg_M_f32	1.191		
TbarVelFiltSv_M_str.SV_Uls_f32	3.2145		
TbarVelFiltSv_M_str.K_Uls_f32	0.03692		
VehicleSpeed_Kph_T_f32	511.9921875		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	33.5		
k_CmnTbarStiff_NmpDeg_f32	3.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.99		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	72		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	73		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	74		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	76		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	77		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	78		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	80		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	81		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	82		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	83		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	85		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	86		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	693.519104	693.5191138 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	1.19999993	1.2 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	3.26195955	3.26196066 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DriverVelCalc

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Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-500.45		
HwTorque_HwNm_T_f32	-4.5		
PrevTbarAng_HwDeg_M_f32	-0.997		
TbarVelFiltSv_M_str.SV_Uls_f32	4.5623		
TbarVelFiltSv_M_str.K_Uls_f32	0.01258		
VehicleSpeed_Kph_T_f32	55.52		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	44.4		
k_CmnTbarStiff_NmpDeg_f32	4.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	86		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	87		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	88		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	89		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	90		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	91		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	92		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	93		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	94		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	95		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	96		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	97		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-297.880035	-297.8800114 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-1	-1 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.4860363	4.486036266 ± 0.00390625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.16 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	600.63
HwTorque_HwNm_T_f32	-10
PrevTbarAng_HwDeg_M_f32	-20
TbarVelFiltSv_M_str.SV_Uls_f32	5.8745
TbarVelFiltSv_M_str.K_Uls_f32	0.03257
VehicleSpeed_Kph_T_f32	17.17
k_CmnSysKinRatio_MtrDegpHwDeg_f32	55.6
k_CmnTbarStiff_NmpDeg_f32	0.5
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	109
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	110

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	111		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	113		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	114		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	115		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	116		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	117		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	118		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	119		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	121		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	122		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	305.571442	305.5714494 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	5.68316746	5.683167535 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.17 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-600.84			
HwTorque_HwNm_T_f32	10			
PrevTbarAng_HwDeg_M_f32	20			
TbarVelFiltSv_M_str.SV_Uls_f32	-2.369	34 ± 0.0009		
DriverVelCalc()	0.096321			✓
TbarVelFiltSv_M_str.K_Uls_f32	0.096321			
VehicleSpeed_Kph_T_f32	27.95			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	66.5			
k_CmnTbarStiff_NmpDeg_f32	0.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4			
t_CmnVehSpd_Kph_u9p7[0]	2560			
t_CmnVehSpd_Kph_u9p7[1]	3840			
t_CmnVehSpd_Kph_u9p7[2]	5120			
t_CmnVehSpd_Kph_u9p7[3]	6400			
t_CmnVehSpd_Kph_u9p7[4]	7680			
t_CmnVehSpd_Kph_u9p7[5]	8960			
t_CmnVehSpd_Kph_u9p7[6]	10240			
t_CmnVehSpd_Kph_u9p7[7]	11520			
t_CmnVehSpd_Kph_u9p7[8]	12800			
t_CmnVehSpd_Kph_u9p7[9]	14080			
t_CmnVehSpd_Kph_u9p7[10]	15360			
t_CmnVehSpd_Kph_u9p7[11]	16640			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	1			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	3			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	5			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	6			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	8			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	9			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	10			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	12			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	13			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	14			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	15			

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DriverVelCalc

Name	Input Value		
HwTorque_HwNm_T_f32	0.05		
PrevTbarAng_HwDeg_M_f32	0		
TbarVelFiltSv_M_str.SV_Uls_f32	-3.124		
TbarVelFiltSv_M_str.K_Uls_f32	0.047852		
VehicleSpeed_Kph_T_f32	37.02		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	77.2		
k_CmnTbarStiff_NmpDeg_f32	10		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	3		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	4		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	5		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	6		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	17		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	44.9518433	44.95184416 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	0.00499999989	0.005 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-2.85488033	-2.854880352 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.19 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-150.62
HwTorque_HwNm_T_f32	-7.5
PrevTbarAng_HwDeg_M_f32	-0.889
TbarVelFiltSv_M_str.SV_Uls_f32	-4.5511
TbarVelFiltSv_M_str.K_Uls_f32	0.2356
VehicleSpeed_Kph_T_f32	11.03
k_CmnSysKinRatio_MtrDegpHwDeg_f32	88.2
k_CmnTbarStiff_NmpDeg_f32	8.5
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	5
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	6
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	8
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	12

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	19		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-30.2861042	-30.28610622 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	-0.882352948	-0.882352941 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.69583821	-2.695837311 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.20 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	250.24		
HwTorque_HwNm_T_f32	8.2		
PrevTbarAng_HwDeg_M_f32	0.861		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.7412		
TbarVelFiltSv_M_str.K_Uls_f32	0.3479		
VehicleSpeed_Kph_T_f32	33.04		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	99.3		
k_CmnTbarStiff_NmpDeg_f32	9.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	6		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	8		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	9		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	10		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	12		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	13		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	14		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	15		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	17		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	18		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	19		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	20		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	24.7503471	24.7503467 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	0.863157868	0.863157895 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.36847568	-3.368470731 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.21 (Repeat Count = 1) ✓

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-250.62
HwTorque_HwNm_T_f32	-8.5
PrevTbarAng_HwDeg_M_f32	-16.997
TbarVelFiltSv_M_str.SV_Uls_f32	1.2587
TbarVelFiltSv_M_str.K_Uls_f32	0.2244

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DriverVelCalc

Name	Input Value		
VehicleSpeed_Kph_T_f32	44.05		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.2		
k_CmnTbarStiff_NmpDeg_f32	0.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9		
t_CmnVehSpd_Kph_u9p7[0]	5248		
t_CmnVehSpd_Kph_u9p7[1]	5376		
t_CmnVehSpd_Kph_u9p7[2]	5504		
t_CmnVehSpd_Kph_u9p7[3]	5632		
t_CmnVehSpd_Kph_u9p7[4]	5760		
t_CmnVehSpd_Kph_u9p7[5]	5888		
t_CmnVehSpd_Kph_u9p7[6]	6016		
t_CmnVehSpd_Kph_u9p7[7]	6144		
t_CmnVehSpd_Kph_u9p7[8]	6272		
t_CmnVehSpd_Kph_u9p7[9]	6400		
t_CmnVehSpd_Kph_u9p7[10]	6528		
t_CmnVehSpd_Kph_u9p7[11]	6656		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	22		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-225.52951	-225.5295319 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-17	-17 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0.639618635	0.63964772 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.22 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	350.14
HwTorque_HwNm_T_f32	9.2
PrevTbarAng_HwDeg_M_f32	0.919
TbarVelFiltSv_M_str.SV_Uls_f32	2.3697
TbarVelFiltSv_M_str.K_Uls_f32	0.3366
VehicleSpeed_Kph_T_f32	376.06
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.8
k_CmnTbarStiff_NmpDeg_f32	10
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	13
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	14
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	15
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	17
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	18
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	19
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	20

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	23		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	350.286285	350.2862746 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.919999957	0.92 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	1.74034667	1.74035898 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.23 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-350.36		
HwTorque_HwNm_T_f32	-9.21		
PrevTbarAng_HwDeg_M_f32	-1.841		
TbarVelFiltSv_M_str.SV_Uls_f32	3.2145		
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001		
VehicleSpeed_Kph_T_f32	265.02		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.5		
k_CmnTbarStiff_NmpDeg_f32	5.25		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.7		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	23		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	24		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-244.585281	-244.585297	✓
PrevTbarAng_HwDeg_M_f32	-1.75428569	-1.75428571428571 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	3.80800867	3.80800891	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.24 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	450.52		
HwTorque_HwNm_T_f32	1.5		
PrevTbarAng_HwDeg_M_f32	1.154		
TbarVelFiltSv_M_str.SV_Uls_f32	4.5623		
TbarVelFiltSv_M_str.K_Uls_f32	0.5599		
VehicleSpeed_Kph_T_f32	187.06		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	1		
k_CmnTbarStiff_NmpDeg_f32	1.3		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6		



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DriverVelCalc

Name	Actual Value	Expected Value	Result
PrevTbarAng_HwDeg_M_f32	-0.555555522	-0.555555556 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	4.84894514	4.848943456 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.26 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadps_T_f32	-689.69
HwTorque_HwNm_T_f32	2.5
PrevTbarAng_HwDeg_M_f32	0.805
TbarVelFiltSv_M_str.SV_Uls_f32	-2.369
TbarVelFiltSv_M_str.K_Uls_f32	0.2365
VehicleSpeed_Kph_T_f32	2.06
k_CmnSysKinRatio_MtrDegpHwDeg_f32	25.45
k_CmnTbarStiff_NmpDeg_f32	3.1
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.89
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	47
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	48
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	51
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	52
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	53
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	56
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	57
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	60
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	61

Name	Actual Value	Expected Value	Result
DriverVelCalc()	-614.096802	-614.096787907239 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451613 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6370784	-1.637078274 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.27 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadps_T_f32	-111.41
HwTorque_HwNm_T_f32	-2.5
PrevTbarAng_HwDeg_M_f32	-0.518
TbarVelFiltSv_M_str.SV_Uls_f32	-3.124
TbarVelFiltSv_M_str.K_Uls_f32	0.35874
VehicleSpeed_Kph_T_f32	267.07
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.5
k_CmnTbarStiff_NmpDeg_f32	4.8
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3
t_CmnVehSpd_Kph_u9p7[0]	0
t_CmnVehSpd_Kph_u9p7[1]	0
t_CmnVehSpd_Kph_u9p7[2]	0
t_CmnVehSpd_Kph_u9p7[3]	0

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	58		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	59		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	60		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	62		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	63		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	64		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-35.2845802	-35.2845812 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	-0.520833313	-0.520833333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.51150656	-2.51151124 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.28 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		222.62		
HwTorque_HwNm_T_f32		3.5		
PrevTbarAng_HwDeg_M_f32		0.671		
TbarVelFiltSv_M_str.SV_Uls_f32		-4.5511		
TbarVelFiltSv_M_str.K_Uls_f32		0.47856		
VehicleSpeed_Kph_T_f32		510.03		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		46.2		
k_CmnTbarStiff_NmpDeg_f32		5.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.2		
t_CmnVehSpd_Kph_u9p7[0]		32640		
t_CmnVehSpd_Kph_u9p7[1]		32640		
t_CmnVehSpd_Kph_u9p7[2]		32640		
t_CmnVehSpd_Kph_u9p7[3]		32640		
t_CmnVehSpd_Kph_u9p7[4]		32640		
t_CmnVehSpd_Kph_u9p7[5]		32640		
t_CmnVehSpd_Kph_u9p7[6]		32640		
t_CmnVehSpd_Kph_u9p7[7]		32640		
t_CmnVehSpd_Kph_u9p7[8]		32640		
t_CmnVehSpd_Kph_u9p7[9]		32640		
t_CmnVehSpd_Kph_u9p7[10]		32640		
t_CmnVehSpd_Kph_u9p7[11]		32640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		72		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		73		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		74		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		76		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		77		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		78		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		80		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		81		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		82		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		83		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		85		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		86		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		43.5075684	43.50756976 ± 0.00009	
PrevTbarAng_HwDeg_M_f32		0.673076928	0.673076923 ± 0.00390625	
TbarVelFiltSv_M_str.SV_Uls_f32		-1.87615919	-1.87615943 ± 0.00390625	

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DriverVelCalc



T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.29 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-222.15		
HwTorque_HwNm_T_f32	-3.5		
PrevTbarAng_HwDeg_M_f32	-0.5134		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.7412		
TbarVelFiltSv_M_str.K_Uls_f32	0.58963		
VehicleSpeed_Kph_T_f32	467.08		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	28.1		
k_CmnTbarStiff_NmpDeg_f32	6.8		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	89		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	91		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	94		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	97		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-23.2337227	-23.23372292 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	-0.514705896	-0.514705882 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-2.74100852	-2.74100995 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.30 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	333.17		
HwTorque_HwNm_T_f32	4.5		
PrevTbarAng_HwDeg_M_f32	0.614		
TbarVelFiltSv_M_str.SV_Uls_f32	1.2587		
TbarVelFiltSv_M_str.K_Uls_f32	0.63214		
VehicleSpeed_Kph_T_f32	166.92		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	85.6		
k_CmnTbarStiff_NmpDeg_f32	7.3		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	0		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	133.268005	133.268 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.616438329	0.616438356 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.23370099	1.233716615 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.31 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-333.62		
HwTorque_HwNm_T_f32	-4.5		
PrevTbarAng_HwDeg_M_f32	-0.917		
TbarVelFiltSv_M_str.SV_Uls_f32	2.3697		
TbarVelFiltSv_M_str.K_Uls_f32	0.014785		
VehicleSpeed_Kph_T_f32	10.05		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	36.8		
k_CmnTbarStiff_NmpDeg_f32	4.9		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.6		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	128		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	128		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-198.679001	-198.6789815 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-0.918367326	-0.918367347 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.32455587	2.324555873 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DriverVelCalc



Test Step 1.32 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	444.52		
HwTorque_HwNm_T_f32	5.5		
PrevTbarAng_HwDeg_M_f32	1.056		
TbarVelFiltSv_M_str.SV_Uls_f32	3.2145		
TbarVelFiltSv_M_str.K_Uls_f32	0.1258		
VehicleSpeed_Kph_T_f32	377.06		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	85.5		
k_CmnTbarStiff_NmpDeg_f32	5.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	58		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	59		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	60		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	62		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	63		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	64		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	402.516144	402.5161456 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	1.05769229	1.057692308 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.91656113	2.916562054 ± 0.00390625	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.33 (Repeat Count = 1) ✓

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-699.63
HwTorque_HwNm_T_f32	-5.5
PrevTbarAng_HwDeg_M_f32	-0.89
TbarVelFiltSv_M_str.SV_Uls_f32	4.5623
TbarVelFiltSv_M_str.K_Uls_f32	0.2365
VehicleSpeed_Kph_T_f32	38.17
k_CmnSysKinRatio_MtrDegpHwDeg_f32	29.2
k_CmnTbarStiff_NmpDeg_f32	6.1
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	86
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	87

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	88		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	89		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	90		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	91		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	92		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	93		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	94		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	95		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	96		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	97		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	0.81372714	0.813727562 ± 0.0000009	✔
PrevTbarAng_HwDeg_M_f32	-0.901639342	-0.901639344 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.10696244	2.106963591 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.34 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	555.74		
HwTorque_HwNm_T_f32	6.5		
PrevTbarAng_HwDeg_M_f32	0.83		
TbarVelFiltSv_M_str.SV_Uls_f32	5.8745		
TbarVelFiltSv_M_str.K_Uls_f32	0.35874		
VehicleSpeed_Kph_T_f32	1.18		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	56.5		
k_CmnTbarStiff_NmpDeg_f32	7.8		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	109		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	110		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	111		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	113		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	114		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	115		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	116		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	117		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	118		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	119		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	121		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	122		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	559.405396	559.4054289 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.833333313	0.833333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.36498117	4.36498187 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.35 (Repeat Count = 1) ✓

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-555.81

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DriverVelCalc

Name	Input Value		
HwTorque_HwNm_T_f32	-6.5		
PrevTbarAng_HwDeg_M_f32	-0.78		
TbarVelFiltSv_M_str.SV_Uls_f32	-2.369		
TbarVelFiltSv_M_str.K_Uls_f32	0.47856		
VehicleSpeed_Kph_T_f32	276.19		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	12.3		
k_CmnTbarStiff_NmpDeg_f32	8.3		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	33		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	34		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	35		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	36		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	38		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	39		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	40		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	41		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	43		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	44		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-278.061462	-278.0614576 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-0.783132493	-0.78313253 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-1.98484111	-1.984843167 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.36 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	666.86
HwTorque_HwNm_T_f32	7.5
PrevTbarAng_HwDeg_M_f32	0.799
TbarVelFiltSv_M_str.SV_Uls_f32	-3.124
TbarVelFiltSv_M_str.K_Uls_f32	0.001255848
VehicleSpeed_Kph_T_f32	354.2
k_CmnSysKinRatio_MtrDegpHwDeg_f32	64.4
k_CmnTbarStiff_NmpDeg_f32	9.3
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	47
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	48
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	49
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	51
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	52
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	53

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	56		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	57		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	60		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	61		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	331.76123	331.7612295 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451613 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-3.11539769	-3.115397684 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.37 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-666.71		
HwTorque_HwNm_T_f32	-7.5		
PrevTbarAng_HwDeg_M_f32	-6.249		
TbarVelFiltSv_M_str.SV_Uls_f32	-4.5511		
TbarVelFiltSv_M_str.K_Uls_f32	0.715390457		
VehicleSpeed_Kph_T_f32	254.52		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.2		
k_CmnTbarStiff_NmpDeg_f32	1.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.4		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	58		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	59		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	60		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	62		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	63		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	64		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-267.125366	-267.1254046 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-6.24999952	-6.25 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6527853	-1.65298172 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.38 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	134.52		
HwTorque_HwNm_T_f32	8.5		
PrevTbarAng_HwDeg_M_f32	3.86		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.7412		
TbarVelFiltSv_M_str.K_Uls_f32	0.58746		

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DriverVelCalc

Name	Input Value		
VehicleSpeed_Kph_T_f32	154.63		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.1		
k_CmnTbarStiff_NmpDeg_f32	2.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.3		
t_CmnVehSpd_Kph_u9p7[0]	5248		
t_CmnVehSpd_Kph_u9p7[1]	5376		
t_CmnVehSpd_Kph_u9p7[2]	5504		
t_CmnVehSpd_Kph_u9p7[3]	5632		
t_CmnVehSpd_Kph_u9p7[4]	5760		
t_CmnVehSpd_Kph_u9p7[5]	5888		
t_CmnVehSpd_Kph_u9p7[6]	6016		
t_CmnVehSpd_Kph_u9p7[7]	6144		
t_CmnVehSpd_Kph_u9p7[8]	6272		
t_CmnVehSpd_Kph_u9p7[9]	6400		
t_CmnVehSpd_Kph_u9p7[10]	6528		
t_CmnVehSpd_Kph_u9p7[11]	6656		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	24		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	26		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	27		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	29		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	30		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	31		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	33		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	34		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	36		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	37		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	38		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	40		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	39.8233643	39.8233612 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	3.86363626	3.863636364 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.30036688	-1.300365557 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.39 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-463.91
HwTorque_HwNm_T_f32	-8.5
PrevTbarAng_HwDeg_M_f32	-2.35
TbarVelFiltSv_M_str.SV_Uls_f32	-6.6667
TbarVelFiltSv_M_str.K_Uls_f32	0.35874
VehicleSpeed_Kph_T_f32	55.24
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.6
k_CmnTbarStiff_NmpDeg_f32	3.6
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.2
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	33
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	34
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	35
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	36
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	38
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	39
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	40
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	41
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	43
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	44

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-93.6095047	-93.60949919 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	-2.36111116	-2.361111111 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-6.26811457	-6.268088042 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.40 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	263.42		
HwTorque_HwNm_T_f32	9.5		
PrevTbarAng_HwDeg_M_f32	2.25		
TbarVelFiltSv_M_str.SV_Uls_f32	6.6667		
TbarVelFiltSv_M_str.K_Uls_f32	0.2874		
VehicleSpeed_Kph_T_f32	444.52		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	21.7		
k_CmnTbarStiff_NmpDeg_f32	4.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.1		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	47		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	48		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	51		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	52		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	53		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	56		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	57		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	61		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	27.5082359	27.50822923 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	2.26190495	2.261904762 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	6.46143246	6.461404706 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.41 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-522.63		
HwTorque_HwNm_T_f32	-9.5		
PrevTbarAng_HwDeg_M_f32	-1.819		
TbarVelFiltSv_M_str.SV_Uls_f32	0		
TbarVelFiltSv_M_str.K_Uls_f32	0.025479		
VehicleSpeed_Kph_T_f32	333.62		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	45.8		
k_CmnTbarStiff_NmpDeg_f32	5.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.9		

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	23		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	24		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-470.382141	-470.3821283 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-1.82692313	-1.826923077 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-0.100936659	-0.100936038 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.42 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		357.25		
HwTorque_HwNm_T_f32		1.563		
PrevTbarAng_HwDeg_M_f32		0.251		
TbarVelFiltSv_M_str.SV_Uls_f32		5.6987		
TbarVelFiltSv_M_str.K_Uls_f32		0.03698		
VehicleSpeed_Kph_T_f32		222.42		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		76.9		
k_CmnTbarStiff_NmpDeg_f32		6.2		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.8		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		24		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		26		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		27		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		29		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		30		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		31		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		33		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		34		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		36		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		37		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		38		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		40		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		288.110321	288.1102911 ± 0.0009	

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DriverVelCalc

Name	Actual Value	Expected Value	Result
PrevTbarAng_HwDeg_M_f32	0.252096772	0.252096774 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	5.50824165	5.508241429 ± 0.00390625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 1.43 (Repeat Count = 1)		✓
Name	Input Value	
CRFMotorVel_MtrRadpS_T_f32	-464.25	

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DecelGain



Project	FDD_Inertia
Module	FDD_Inertia
Test Object	DecelGain

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

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DecelGain



Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

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DeceIGain



Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DecelGain



Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS1.1 320.00 Cycles TS1.2 343.00 Cycles
Description	Test Vector Description: TS1.1 "Shortest Execution Path: (-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32)=True (RawDecelGain_Uls_T_f32>=(D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32)=True" TS1.2 "Longest Execution Path: (-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32)=False (-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=False (RawDecelGain_Uls_T_f32>=(D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32)=False (RawDecelGain_Uls_T_f32<=(D_2MS_SEC_F32 * -k_DmpDecelGainFSlew_UlspS_f32)+ PreDecelGain_Uls_M_f32)=False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-1118			
PreDecelGain_Uls_M_f32	1			
VehicleLonAccel_KphpS_T_f32	-10			
k_DmpDecelGainFSlew_UlspS_f32	1			
k_DmpDecelGain_Uls_f32	2			
k_DmpGainOffThresh_KphpS_f32	0			
k_DmpGainOnThresh_KphpS_f32	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8			
Name	Actual Value	Expected Value	Result	
DecelGain()	1.00199997	1.002 ± 0.000009	✓	
PreDecelGain_Uls_M_f32	1.00199997	1.002 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	500.68			
PreDecelGain_Uls_M_f32	127118.835			
VehicleLonAccel_KphpS_T_f32	-3.1			
k_DmpDecelGainFSlew_UlspS_f32	1700.02			
k_DmpDecelGain_Uls_f32	2.1			
k_DmpGainOffThresh_KphpS_f32	0			
k_DmpGainOnThresh_KphpS_f32	44.45			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	127118.836	127118.835 ± 0.9	✓	

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DecelGain

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127118.836	127118.835 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Case 2: Path Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 326.00 Cycles TS2.2 344.00 Cycles TS2.3 342.00 Cycles TS2.4 320.00 Cycles
Description	Test Vector Description: TS2.1 "(-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32) = True and (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=True" TS2.2 "(-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32) = False and (-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=True and (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=False and (RawDecelGain_Uls_T_f32<=(D_2MS_SEC_F32 * k_DmpDecelGainFSlew_UlspS_f32)+ PreDecelGain_Uls_M_f32)=True" TS2.3 "(-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=False TS2.4 (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=True

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.02		
PreDecelGain_Uls_M_f32	125487.235		
VehicleLonAccel_KphpS_T_f32	-10		
k_DmpDecelGainFSlew_UlspS_f32	100.02		
k_DmpDecelGain_Uls_f32	2.1		
k_DmpGainOffThresh_KphpS_f32	11.5		
k_DmpGainOnThresh_KphpS_f32	5.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448		
Name	Actual Value	Expected Value	Result
DecelGain()	125487.031	125487.035 ± 0.9	✓
PreDecelGain_Uls_M_f32	125487.031	125487.035 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	200.03
PreDecelGain_Uls_M_f32	125589.21
VehicleLonAccel_KphpS_T_f32	10
k_DmpDecelGainFSlew_UlspS_f32	200.05
k_DmpDecelGain_Uls_f32	3.5
k_DmpGainOffThresh_KphpS_f32	22.25
k_DmpGainOnThresh_KphpS_f32	10.12
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	125588.813	125588.8099 ± 0.9	✓
PreDecelGain_Uls_M_f32	125588.813	125588.8099 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	500.68		
PreDecelGain_Uls_M_f32	127118.835		
VehicleLonAccel_KphpS_T_f32	-3.1		
k_DmpDecelGainFSlew_UlspS_f32	1700.02		
k_DmpDecelGain_Uls_f32	2.1		
k_DmpGainOffThresh_KphpS_f32	0		
k_DmpGainOnThresh_KphpS_f32	44.45		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	127118.836	127118.835 ± 0.9	✓
PreDecelGain_Uls_M_f32	127118.836	127118.835 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-1118
PreDecelGain_Uls_M_f32	1
VehicleLonAccel_KphpS_T_f32	-10
k_DmpDecelGainFSlew_UlspS_f32	1
k_DmpDecelGain_Uls_f32	2
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8

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DecelGain

Name	Input Value			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8			
Name	Actual Value	Expected Value	Result	
DecelGain()	1.00199997	1.002 ± 0.000009	✓	
PreDecelGain_Uls_M_f32	1.00199997	1.002 ± 0.0625	✓	

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Case 3: Boundary Test

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

CPU Cycles:

TS3.1 328.00 Cycles
TS3.2 334.00 Cycles
TS3.3 326.00 Cycles
TS3.4 345.00 Cycles
TS3.5 334.00 Cycles
TS3.6 344.00 Cycles
TS3.7 344.00 Cycles
TS3.8 337.00 Cycles
TS3.9 337.00 Cycles
TS3.10 326.00 Cycles
TS3.11 326.00 Cycles
TS3.12 326.00 Cycles
TS3.13 334.00 Cycles
TS3.14 344.00 Cycles
TS3.15 344.00 Cycles
TS3.16 345.00 Cycles
TS3.17 345.00 Cycles
TS3.18 345.00 Cycles
TS3.19 342.00 Cycles
TS3.20 345.00 Cycles
TS3.21 345.00 Cycles
TS3.22 325.00 Cycles
TS3.23 334.00 Cycles
TS3.24 345.00 Cycles
TS3.25 345.00 Cycles
TS3.26 334.00 Cycles
TS3.27 345.00 Cycles
TS3.28 345.00 Cycles
TS3.29 345.00 Cycles
TS3.30 345.00 Cycles
TS3.31 345.00 Cycles
TS3.32 345.00 Cycles
TS3.33 334.00 Cycles

Description Test Vector Description:

TS3.1 All min
TS3.2 All max
TS3.3 VehicleLonAccel_KphpS_T_f32 = min
TS3.4 VehicleLonAccel_KphpS_T_f32 = max
TS3.5 VehicleLonAccel_KphpS_T_f32 = zero
TS3.6 VehicleLonAccel_KphpS_T_f32 = pos
TS3.7 VehicleLonAccel_KphpS_T_f32 = neg
TS3.8 CRFMotorVel1_MtrRadpS_T_f32 = min
TS3.9 CRFMotorVel1_MtrRadpS_T_f32 = max
TS3.10 CRFMotorVel1_MtrRadpS_T_f32 = zero
TS3.11 CRFMotorVel1_MtrRadpS_T_f32 = pos
TS3.12 CRFMotorVel1_MtrRadpS_T_f32 = neg
TS3.13 k_DmpGainOnThresh_KphpS_f32 = min
TS3.14 k_DmpGainOnThresh_KphpS_f32 = max
TS3.15 k_DmpGainOnThresh_KphpS_f32 = pos
TS3.16 k_DmpDecelGain_Uls_f32 = min
TS3.17 k_DmpDecelGain_Uls_f32 = max
TS3.18 k_DmpDecelGain_Uls_f32 = pos
TS3.19 k_DmpGainOffThresh_KphpS_f32 = min
TS3.20 k_DmpGainOffThresh_KphpS_f32 = max
TS3.21 k_DmpGainOffThresh_KphpS_f32 = pos
TS3.22 PreDecelGain_Uls_M_f32 = min
TS3.23 PreDecelGain_Uls_M_f32 = max
TS3.24 PreDecelGain_Uls_M_f32 = pos
TS3.25 t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = min
TS3.26 t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = max
TS3.27 t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = pos
TS3.28 t_DmpDecelGainSlewY_UlspS_u13p3[6] = min
TS3.29 t_DmpDecelGainSlewY_UlspS_u13p3[6] = max
TS3.30 t_DmpDecelGainSlewY_UlspS_u13p3[6] = pos
TS3.31 k_DmpDecelGainFSlew_UlspS_f32 = min
TS3.32 k_DmpDecelGainFSlew_UlspS_f32 = max
TS3.33 k_DmpDecelGainFSlew_UlspS_f32 = pos

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
CRFMotorVel1_MtrRadpS_T_f32	-1118
PreDecelGain_Uls_M_f32	1
VehicleLonAccel_KphpS_T_f32	-10
k_DmpDecelGainFSlew_UlspS_f32	1
k_DmpDecelGain_Uls_f32	1
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8		
Name	Actual Value	Expected Value	Result
DecelGain()	1	1 ± 0.000009	✓
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1118		
PreDecelGain_Uls_M_f32	4294967295		
VehicleLonAccel_KphpS_T_f32	10		
k_DmpDecelGainFSlew_UlspS_f32	4500		
k_DmpDecelGain_Uls_f32	10		
k_DmpGainOffThresh_KphpS_f32	50		
k_DmpGainOnThresh_KphpS_f32	50		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	35776		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	4000		
Name	Actual Value	Expected Value	Result
DecelGain()	4.2949673e+009	4294967286 ± 9999	✓
PreDecelGain_Uls_M_f32	4.2949673e+009	4294967286 ± 0.0625	✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.3 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.02		
PreDecelGain_Uls_M_f32	125487.235		
VehicleLonAccel_KphpS_T_f32	-10		
k_DmpDecelGainFSlew_UlspS_f32	100.02		
k_DmpDecelGain_Uls_f32	2.1		
k_DmpGainOffThresh_KphpS_f32	11.5		
k_DmpGainOnThresh_KphpS_f32	5.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448		
Name	Actual Value	Expected Value	Result
DecelGain()	125487.031	125487.035 ± 0.9	✓
PreDecelGain_Uls_M_f32	125487.031	125487.035 ± 0.0625	✓

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DecelGain

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.4 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	200.03			
PreDecelGain_Uls_M_f32	125589.21			
VehicleLonAccel_KphpS_T_f32	10			
k_DmpDecelGainFSlew_UlspS_f32	200.05			
k_DmpDecelGain_Uls_f32	3.5			
k_DmpGainOffThresh_KphpS_f32	22.25			
k_DmpGainOnThresh_KphpS_f32	10.12			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448			
Name	Actual Value	Expected Value	Result	
DecelGain()	125588.813	125588.8099 ± 0.9	✓	
PreDecelGain_Uls_M_f32	125588.813	125588.8099 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.5 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-100.04			
PreDecelGain_Uls_M_f32	125691.185			
VehicleLonAccel_KphpS_T_f32	0			
k_DmpDecelGainFSlew_UlspS_f32	300.06			
k_DmpDecelGain_Uls_f32	4.2			
k_DmpGainOffThresh_KphpS_f32	33.35			
k_DmpGainOnThresh_KphpS_f32	15.32			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	125690.586	125690.5849 ± 0.9	✓	
PreDecelGain_Uls_M_f32	125690.586	125690.5849 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain

Test Step 3.6 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-200.05		
PreDecelGain_Uls_M_f32	125793.16		
VehicleLonAccel_KphpS_T_f32	5.3		
k_DmpDecelGainFSlew_UlspS_f32	400.04		
k_DmpDecelGain_Uls_f32	6.1		
k_DmpGainOffThresh_KphpS_f32	44.45		
k_DmpGainOnThresh_KphpS_f32	20.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248		
Name	Actual Value	Expected Value	Result
DecelGain()	125792.359	125792.3599 ± 0.9	✔
PreDecelGain_Uls_M_f32	125792.359	125792.3599 ± 0.0625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.7 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	300.02		
PreDecelGain_Uls_M_f32	125895.135		
VehicleLonAccel_KphpS_T_f32	-5.4		
k_DmpDecelGainFSlew_UlspS_f32	500.02		
k_DmpDecelGain_Uls_f32	5.2		
k_DmpGainOffThresh_KphpS_f32	8.21		
k_DmpGainOnThresh_KphpS_f32	25.12		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648		
Name	Actual Value	Expected Value	Result
DecelGain()	125894.133	125894.135 ± 0.9	✔
PreDecelGain_Uls_M_f32	125894.133	125894.135 ± 0.0625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.8 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-1118
PreDecelGain_Uls_M_f32	125997.11
VehicleLonAccel_KphpS_T_f32	-2.2
k_DmpDecelGainFSlew_UlspS_f32	600.04
k_DmpDecelGain_Uls_f32	7.8
k_DmpGainOffThresh_KphpS_f32	16.62

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DecelGain

Name	Input Value		
k_DmpGainOnThresh_KphpS_f32	1.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	125995.906	125995.9099 ± 0.9	✔
PreDecelGain_Uls_M_f32	125995.906	125995.9099 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.9 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1118		
PreDecelGain_Uls_M_f32	126099.085		
VehicleLonAccel_KphpS_T_f32	-3.3		
k_DmpDecelGainFSlew_UlspS_f32	700.03		
k_DmpDecelGain_Uls_f32	8.7		
k_DmpGainOffThresh_KphpS_f32	24.21		
k_DmpGainOnThresh_KphpS_f32	2.58		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	126097.688	126097.6849 ± 0.9	✔
PreDecelGain_Uls_M_f32	126097.688	126097.6849 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.10 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	0
PreDecelGain_Uls_M_f32	126201.06
VehicleLonAccel_KphpS_T_f32	-4.1
k_DmpDecelGainFSlew_UlspS_f32	800.04
k_DmpDecelGain_Uls_f32	9.2
k_DmpGainOffThresh_KphpS_f32	11.21
k_DmpGainOnThresh_KphpS_f32	3.21
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648		
Name	Actual Value	Expected Value	Result
DecelGain()	126199.461	126199.4599 ± 0.9	✔
PreDecelGain_Uls_M_f32	126199.461	126199.4599 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.5		
PreDecelGain_Uls_M_f32	126303.035		
VehicleLonAccel_KphpS_T_f32	-5.6		
k_DmpDecelGainFSlew_UlspS_f32	900.02		
k_DmpDecelGain_Uls_f32	1.1		
k_DmpGainOffThresh_KphpS_f32	22.41		
k_DmpGainOnThresh_KphpS_f32	4.62		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	14592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	14624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	14656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	14688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	14720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	14752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328		
Name	Actual Value	Expected Value	Result
DecelGain()	126301.234	126301.235 ± 0.9	✓
PreDecelGain_Uls_M_f32	126301.234	126301.235 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.12 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-100.2		
PreDecelGain_Uls_M_f32	126405.01		
VehicleLonAccel_KphpS_T_f32	-6.1		
k_DmpDecelGainFSlew_UlspS_f32	1000.01		
k_DmpDecelGain_Uls_f32	1.5		
k_DmpGainOffThresh_KphpS_f32	33.32		
k_DmpGainOnThresh_KphpS_f32	5.64		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	20960		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	20992		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	21024		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	21056		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	21088		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	21120		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424		
Name	Actual Value	Expected Value	Result
DecelGain()	126403.008	126403.01 ± 0.9	✓
PreDecelGain_Uls_M_f32	126403.008	126403.01 ± 0.0625	✓

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DecelGain

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.13 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	200.12			
PreDecelGain_Uls_M_f32	126506.985			
VehicleLonAccel_KphpS_T_f32	6.2			
k_DmpDecelGainFSlew_UlspS_f32	1100.02			
k_DmpDecelGain_Uls_f32	1.9			
k_DmpGainOffThresh_KphpS_f32	44.45			
k_DmpGainOnThresh_KphpS_f32	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	25216			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	25248			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	25280			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	25312			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	25344			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	25376			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	126504.781	126504.785 ± 0.9	✓	
PreDecelGain_Uls_M_f32	126504.781	126504.785 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.14 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-200.31			
PreDecelGain_Uls_M_f32	126608.96			
VehicleLonAccel_KphpS_T_f32	7.5			
k_DmpDecelGainFSlew_UlspS_f32	1200.02			
k_DmpDecelGain_Uls_f32	2.5			
k_DmpGainOffThresh_KphpS_f32	8.62			
k_DmpGainOnThresh_KphpS_f32	50			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3264			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3296			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3328			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3360			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3392			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3424			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720			
Name	Actual Value	Expected Value	Result	
DecelGain()	126606.563	126606.56 ± 0.9	✓	
PreDecelGain_Uls_M_f32	126606.563	126606.56 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain

Test Step 3.15 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	300.52		
PreDecelGain_Uls_M_f32	126710.935		
VehicleLonAccel_KphpS_T_f32	8.2		
k_DmpDecelGainFSlew_UlspS_f32	1300.02		
k_DmpDecelGain_Uls_f32	5.6		
k_DmpGainOffThresh_KphpS_f32	16.21		
k_DmpGainOnThresh_KphpS_f32	25.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3808		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3840		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3936		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
Name	Actual Value	Expected Value	Result
DecelGain()	126708.336	126708.335 ± 0.9	✔
PreDecelGain_Uls_M_f32	126708.336	126708.335 ± 0.0625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.16 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-300.63		
PreDecelGain_Uls_M_f32	126812.91		
VehicleLonAccel_KphpS_T_f32	9.3		
k_DmpDecelGainFSlew_UlspS_f32	1400.01		
k_DmpDecelGain_Uls_f32	1		
k_DmpGainOffThresh_KphpS_f32	24.12		
k_DmpGainOnThresh_KphpS_f32	11.21		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5280		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5312		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5344		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5376		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5408		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5440		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520		
Name	Actual Value	Expected Value	Result
DecelGain()	126810.109	126810.11 ± 0.9	✔
PreDecelGain_Uls_M_f32	126810.109	126810.11 ± 0.0625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.17 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	400.75
PreDecelGain_Uls_M_f32	126914.885
VehicleLonAccel_KphpS_T_f32	-1.2
k_DmpDecelGainFSlew_UlspS_f32	1500.04
k_DmpDecelGain_Uls_f32	10
k_DmpGainOffThresh_KphpS_f32	32.41

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DecelGain

Name	Input Value		
k_DmpGainOnThresh_KphpS_f32	22.41		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	11680		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	11712		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	11744		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	11776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	11808		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	11840		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648		
Name	Actual Value	Expected Value	Result
DecelGain()	126911.883	126911.8849 ± 0.9	✔
PreDecelGain_Uls_M_f32	126911.883	126911.8849 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.18 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-400.52		
PreDecelGain_Uls_M_f32	127016.86		
VehicleLonAccel_KphpS_T_f32	-2.3		
k_DmpDecelGainFSlew_UlspS_f32	1600.02		
k_DmpDecelGain_Uls_f32	5.25		
k_DmpGainOffThresh_KphpS_f32	40.52		
k_DmpGainOnThresh_KphpS_f32	33.32		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	127013.656	127013.66 ± 0.9	✓
PreDecelGain_Uls_M_f32	127013.656	127013.66 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.19 (Repeat Count = 1) ✓

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	500.68
PreDecelGain_Uls_M_f32	127118.835
VehicleLonAccel_KphpS_T_f32	-3.1
k_DmpDecelGainFSlew_UlspS_f32	1700.02
k_DmpDecelGain_Uls_f32	2.1
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	44.45
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	127118.836	127118.835 ± 0.9	✔
PreDecelGain_Uls_M_f32	127118.836	127118.835 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 3.20 (Repeat Count = 1)		✓
Name	Input Value	
CRFMotorVel_MtrRadpS_T_f32	600.46	
PreDecelGain_Uls_M_f32	127220.81	
VehicleLonAccel_KphpS_T_f32	-4.2	
k_DmpDecelGainFSlew_UlspS_f32	1800.01	
k_DmpDecelGain_Uls_f32	2.2	
k_DmpGainOffThresh_KphpS_f32	50	
k_DmpGainOnThresh_KphpS_f32	8.62	
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792	
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824	
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856	
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	V488	

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DecelGain

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.22 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	800.03			
PreDecelGain_Uls_M_f32	1			
VehicleLonAccel_KphpS_T_f32	-6.5			
k_DmpDecelGainFSlew_UlspS_f32	2000.06			
k_DmpDecelGain_Uls_f32	2.8			
k_DmpGainOffThresh_KphpS_f32	11.21			
k_DmpGainOnThresh_KphpS_f32	24.12			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	1	1 ± 0.000009	✓	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.23 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	900.08			
PreDecelGain_Uls_M_f32	4294967295			
VehicleLonAccel_KphpS_T_f32	-7.6			
k_DmpDecelGainFSlew_UlspS_f32	2100.02			
k_DmpDecelGain_Uls_f32	3.5			
k_DmpGainOffThresh_KphpS_f32	22.41			
k_DmpGainOnThresh_KphpS_f32	32.41			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	4.2949673e+009	4294967291 ± 9999	✓	
PreDecelGain_Uls_M_f32	4.2949673e+009	4294967291 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain

Test Step 3.24 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1000.12		
PreDecelGain_Uls_M_f32	127628.71		
VehicleLonAccel_KphpS_T_f32	-8.2		
k_DmpDecelGainFSlew_UlspS_f32	2200.02		
k_DmpDecelGain_Uls_f32	3.9		
k_DmpGainOffThresh_KphpS_f32	33.32		
k_DmpGainOnThresh_KphpS_f32	40.52		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720		
Name	Actual Value	Expected Value	Result
DecelGain()	127624.313	127624.31 ± 0.9	✓
PreDecelGain_Uls_M_f32	127624.313	127624.31 ± 0.0625	✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.25 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1100.26		
PreDecelGain_Uls_M_f32	127730.685		
VehicleLonAccel_KphpS_T_f32	-9.2		
k_DmpDecelGainFSlew_UlspS_f32	2300.04		
k_DmpDecelGain_Uls_f32	3.7		
k_DmpGainOffThresh_KphpS_f32	44.45		
k_DmpGainOnThresh_KphpS_f32	48.62		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
Name	Actual Value	Expected Value	Result
DecelGain()	127726.086	127726.0849 ± 0.9	✓
PreDecelGain_Uls_M_f32	127726.086	127726.0849 ± 0.0625	✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.26 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-500.23
PreDecelGain_Uls_M_f32	127832.66
VehicleLonAccel_KphpS_T_f32	1.1
k_DmpDecelGainFSlew_UlspS_f32	2400.08
k_DmpDecelGain_Uls_f32	4.8
k_DmpGainOffThresh_KphpS_f32	8.62

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DecelGain

Name	Input Value		
k_DmpGainOnThresh_KphpS_f32	4.21		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	35776		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520		
Name	Actual Value	Expected Value	Result
DecelGain()	127827.859	127827.8598 ± 0.9	✔
PreDecelGain_Uls_M_f32	127827.859	127827.8598 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.27 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-600.52		
PreDecelGain_Uls_M_f32		127934.635		
VehicleLonAccel_KphpS_T_f32		1.2		
k_DmpDecelGainFSlew_UlspS_f32		2500.02		
k_DmpDecelGain_Uls_f32		5.9		
k_DmpGainOffThresh_KphpS_f32		16.21		
k_DmpGainOnThresh_KphpS_f32		8.85		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]		3200		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]		6400		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]		9600		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]		12800		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]		16000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]		19200		
t_DmpDecelGainSlewY_UlspS_u13p3[0]		1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]		1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]		1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]		1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]		1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]		1248		
Name		Actual Value	Expected Value	Result
DecelGain()		127929.633	127929.635 ± 0.9	✓
PreDecelGain_Uls_M_f32		127929.633	127929.635 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.28 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-700.14
PreDecelGain_Uls_M_f32	128036.61
VehicleLonAccel_KphpS_T_f32	1.6
k_DmpDecelGainFSlew_UlspS_f32	2600.07
k_DmpDecelGain_Uls_f32	5.8
k_DmpGainOffThresh_KphpS_f32	24.12
k_DmpGainOnThresh_KphpS_f32	12.61
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8		
Name	Actual Value	Expected Value	Result
DecelGain()	128031.406	128031.4099 ± 0.9	✔
PreDecelGain_Uls_M_f32	128031.406	128031.4099 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.29 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-800.52		
PreDecelGain_Uls_M_f32	128138.585		
VehicleLonAccel_KphpS_T_f32	1.8		
k_DmpDecelGainFSlew_UlspS_f32	2700.03		
k_DmpDecelGain_Uls_f32	6.5		
k_DmpGainOffThresh_KphpS_f32	32.41		
k_DmpGainOnThresh_KphpS_f32	16.21		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	4000		
Name	Actual Value	Expected Value	Result
DecelGain()	128133.188	128133.1849 ± 0.9	✔
PreDecelGain_Uls_M_f32	128133.188	128133.1849 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.30 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-900.63		
PreDecelGain_Uls_M_f32	128240.56		
VehicleLonAccel_KphpS_T_f32	-2.1		
k_DmpDecelGainFSlew_UlspS_f32	2800.02		
k_DmpDecelGain_Uls_f32	6.8		
k_DmpGainOffThresh_KphpS_f32	40.52		
k_DmpGainOnThresh_KphpS_f32	20.63		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2008		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2016		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2024		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2032		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2040		
Name	Actual Value	Expected Value	Result
DecelGain()	128234.961	128234.96 ± 0.9	✓
PreDecelGain_Uls_M_f32	128234.961	128234.96 ± 0.0625	✓

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DecelGain

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.31 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-1000.25			
PreDecelGain_Uls_M_f32	128342.535			
VehicleLonAccel_KphpS_T_f32	-2.5			
k_DmpDecelGainFSlew_UlspS_f32	1			
k_DmpDecelGain_Uls_f32	6.9			
k_DmpGainOffThresh_KphpS_f32	48.62			
k_DmpGainOnThresh_KphpS_f32	24.14			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720			
Name	Actual Value	Expected Value	Result	
DecelGain()	128342.531	128342.533 ± 0.9	✓	
PreDecelGain_Uls_M_f32	128342.531	128342.533 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.32 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-1100.85			
PreDecelGain_Uls_M_f32	128444.51			
VehicleLonAccel_KphpS_T_f32	-2.9			
k_DmpDecelGainFSlew_UlspS_f32	4500			
k_DmpDecelGain_Uls_f32	3.8			
k_DmpGainOffThresh_KphpS_f32	4.21			
k_DmpGainOnThresh_KphpS_f32	28.18			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576			
Name	Actual Value	Expected Value	Result	
DecelGain()	128435.508	128435.51 ± 0.9	✓	
PreDecelGain_Uls_M_f32	128435.508	128435.51 ± 0.0625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain

Test Step 3.33 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	458.62		
PreDecelGain_Uls_M_f32	128546.485		
VehicleLonAccel_KphpS_T_f32	-8.1		
k_DmpDecelGainFSlew_UlspS_f32	2500.02		
k_DmpDecelGain_Uls_f32	6.9		
k_DmpGainOffThresh_KphpS_f32	8.85		
k_DmpGainOnThresh_KphpS_f32	32.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248		
Name	Actual Value	Expected Value	Result
DecelGain()	128541.484	128541.485 ± 0.9	✔
PreDecelGain_Uls_M_f32	128541.484	128541.485 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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ADDCoefCalc



Project	FDD_Inertia
Module	FDD_Inertia
Test Object	ADDCoefCalc

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

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ADDCoefCalc



Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -I\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -I\$(PROJECTROOT)\NtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -I\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -I\$(PROJECTROOT)\NtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the sgn DT a ulateg in_M onversio0.</p>

TEST DETAILS REPORT

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ADDCoefCalc



Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpADDCoefX_MtrNm_u4p12[0]	0		
t_DmpADDCoefX_MtrNm_u4p12[1]	0		
t_DmpADDCoefX_MtrNm_u4p12[2]	0		
t_DmpADDCoefX_MtrNm_u4p12[3]	0		
t_DmpADDCoefX_MtrNm_u4p12[4]	0		
t_DmpADDCoefX_MtrNm_u4p12[5]	0		
t_DmpADDCoefX_MtrNm_u4p12[6]	0		
t_DmpADDCoefX_MtrNm_u4p12[7]	0		
t_DmpADDCoefX_MtrNm_u4p12[8]	0		
t_DmpADDCoefX_MtrNm_u4p12[9]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[0]	0		
t_FDD_BlendTbIY_Uls_u8p8[1]	0		
t_FDD_BlendTbIY_Uls_u8p8[2]	0		
t_FDD_BlendTbIY_Uls_u8p8[3]	0		
t_FDD_BlendTbIY_Uls_u8p8[4]	0		
t_FDD_BlendTbIY_Uls_u8p8[5]	0		
t_FDD_BlendTbIY_Uls_u8p8[6]	0		
t_FDD_BlendTbIY_Uls_u8p8[7]	0		
t_FDD_BlendTbIY_Uls_u8p8[8]	0		
t_FDD_BlendTbIY_Uls_u8p8[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[10]	0		
t_FDD_BlendTbIY_Uls_u8p8[11]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	0		
t_WIRBIndTbIX_MtrNm_u8p8[0]	0		
t_WIRBIndTbIX_MtrNm_u8p8[1]	0		
t_WIRBIndTbIX_MtrNm_u8p8[2]	0		
t_WIRBIndTbIX_MtrNm_u8p8[3]	0		
t_WIRBIndTbIX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0	0 ± 0.000009	✔

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ADDCoefCalc

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5		✓

Test Step 1.2 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	8.8	
VehicleSpeed_Kph_T_f32	511.9921875	
WIRCmdAmpBlnd_MtrNm_T_f32	8.8	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	6554	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	6554	
t_CmnVehSpd_Kph_u9p7[0]	32640	
t_CmnVehSpd_Kph_u9p7[1]	32640	
t_CmnVehSpd_Kph_u9p7[2]	32640	
t_CmnVehSpd_Kph_u9p7[3]	32640	
t_CmnVehSpd_Kph_u9p7[4]	32640	
t_CmnVehSpd_Kph_u9p7[5]	32640	
t_CmnVehSpd_Kph_u9p7[6]	32640	
t_CmnVehSpd_Kph_u9p7[7]	32640	
t_CmnVehSpd_Kph_u9p7[8]	32640	
t_CmnVehSpd_Kph_u9p7[9]	32640	
t_CmnVehSpd_Kph_u9p7[10]	32640	
t_CmnVehSpd_Kph_u9p7[11]	32640	
t_DmpADDCoefX_MtrNm_u4p12[0]	36045	
t_DmpADDCoefX_MtrNm_u4p12[1]	36045	
t_DmpADDCoefX_MtrNm_u4p12[2]	36045	
t_DmpADDCoefX_MtrNm_u4p12[3]	36045	
t_DmpADDCoefX_MtrNm_u4p12[4]	36045	
t_DmpADDCoefX_MtrNm_u4p12[5]	36045	
t_DmpADDCoefX_MtrNm_u4p12[6]	36045	
t_DmpADDCoefX_MtrNm_u4p12[7]	36045	
t_DmpADDCoefX_MtrNm_u4p12[8]	36045	
t_DmpADDCoefX_MtrNm_u4p12[9]	36045	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	6554	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	6554	
t_FDD_BlendTbIY_Uls_u8p8[0]	256	
t_FDD_BlendTbIY_Uls_u8p8[1]	256	
t_FDD_BlendTbIY_Uls_u8p8[2]	256	
t_FDD_BlendTbIY_Uls_u8p8[3]	256	
t_FDD_BlendTbIY_Uls_u8p8[4]	256	
t_FDD_BlendTbIY_Uls_u8p8[5]	256	
t_FDD_BlendTbIY_Uls_u8p8[6]	256	
t_FDD_BlendTbIY_Uls_u8p8[7]	256	
t_FDD_BlendTbIY_Uls_u8p8[8]	256	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	256		
t_FDD_BlendTblY_Uls_u8p8[10]	256		
t_FDD_BlendTblY_Uls_u8p8[11]	256		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	16384		
t_WIRBIndTblX_MtrNm_u8p8[0]	2048		
t_WIRBIndTblX_MtrNm_u8p8[1]	2048		
t_WIRBIndTblX_MtrNm_u8p8[2]	2048		
t_WIRBIndTblX_MtrNm_u8p8[3]	2048		
t_WIRBIndTblX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0500030518	0.050003052 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.3 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-8.8
VehicleSpeed_Kph_T_f32	12.32
WIRCmdAmpBlnd_MtrNm_T_f32	5.2
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3409
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1553

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0369348824	0.036934882 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.4 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	8.8
VehicleSpeed_Kph_T_f32	24
WIRCmdAmpBlnd_MtrNm_T_f32	6.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5159
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800

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Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695		
t_FDD_BlendTbIY_Uls_u8p8[0]	5		
t_FDD_BlendTbIY_Uls_u8p8[1]	8		
t_FDD_BlendTbIY_Uls_u8p8[2]	10		
t_FDD_BlendTbIY_Uls_u8p8[3]	13		
t_FDD_BlendTbIY_Uls_u8p8[4]	15		
t_FDD_BlendTbIY_Uls_u8p8[5]	18		
t_FDD_BlendTbIY_Uls_u8p8[6]	20		
t_FDD_BlendTbIY_Uls_u8p8[7]	23		
t_FDD_BlendTbIY_Uls_u8p8[8]	26		
t_FDD_BlendTbIY_Uls_u8p8[9]	28		
t_FDD_BlendTbIY_Uls_u8p8[10]	31		
t_FDD_BlendTbIY_Uls_u8p8[11]	33		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	9830		
t_WIRBlndTbIX_MtrNm_u8p8[0]	538		
t_WIRBlndTbIX_MtrNm_u8p8[1]	563		
t_WIRBlndTbIX_MtrNm_u8p8[2]	589		
t_WIRBlndTbIX_MtrNm_u8p8[3]	614		
t_WIRBlndTbIX_MtrNm_u8p8[4]	640		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.013426058	0.013426058 ± 0.00000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

Test Step 1.5 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	0	
VehicleSpeed_Kph_T_f32	36.25	
WIRCmdAmpBlnd_MtrNm_T_f32	7.3	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924	

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Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_DmpADDCoefX_MtrNm_u4p12[0]	12698		
t_DmpADDCoefX_MtrNm_u4p12[1]	13107		
t_DmpADDCoefX_MtrNm_u4p12[2]	13517		
t_DmpADDCoefX_MtrNm_u4p12[3]	13926		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTbIY_Uls_u8p8[0]	10		
t_FDD_BlendTbIY_Uls_u8p8[1]	13		
t_FDD_BlendTbIY_Uls_u8p8[2]	15		
t_FDD_BlendTbIY_Uls_u8p8[3]	18		
t_FDD_BlendTbIY_Uls_u8p8[4]	20		
t_FDD_BlendTbIY_Uls_u8p8[5]	23		
t_FDD_BlendTbIY_Uls_u8p8[6]	26		
t_FDD_BlendTbIY_Uls_u8p8[7]	28		
t_FDD_BlendTbIY_Uls_u8p8[8]	31		
t_FDD_BlendTbIY_Uls_u8p8[9]	33		
t_FDD_BlendTbIY_Uls_u8p8[10]	36		
t_FDD_BlendTbIY_Uls_u8p8[11]	38		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	11469		
t_WIRBIndTbIX_MtrNm_u8p8[0]	794		
t_WIRBIndTbIX_MtrNm_u8p8[1]	819		
t_WIRBIndTbIX_MtrNm_u8p8[2]	845		
t_WIRBIndTbIX_MtrNm_u8p8[3]	870		
t_WIRBIndTbIX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00668188976	0.00668189 ± 0.000000009	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

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ADDCoefCalc

Test Step 1.6 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	5.25
VehicleSpeed_Kph_T_f32	48.12
WIRCmdAmpBlnd_MtrNm_T_f32	8.1
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[9]	2387
t_FDD_BlendTbly_Uls_u8p8[0]	13
t_FDD_BlendTbly_Uls_u8p8[1]	15
t_FDD_BlendTbly_Uls_u8p8[2]	18
t_FDD_BlendTbly_Uls_u8p8[3]	20
t_FDD_BlendTbly_Uls_u8p8[4]	23
t_FDD_BlendTbly_Uls_u8p8[5]	26
t_FDD_BlendTbly_Uls_u8p8[6]	28
t_FDD_BlendTbly_Uls_u8p8[7]	31
t_FDD_BlendTbly_Uls_u8p8[8]	33
t_FDD_BlendTbly_Uls_u8p8[9]	36
t_FDD_BlendTbly_Uls_u8p8[10]	38
t_FDD_BlendTbly_Uls_u8p8[11]	41
t_RIAstWIRBlndTbly_Uls_u2p14[0]	6554
t_RIAstWIRBlndTbly_Uls_u2p14[1]	8192
t_RIAstWIRBlndTbly_Uls_u2p14[2]	9830
t_RIAstWIRBlndTbly_Uls_u2p14[3]	11469

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ADDCoefCalc

Name	Input Value
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107
t_WIRBIndTblX_MtrNm_u8p8[0]	1050
t_WIRBIndTblX_MtrNm_u8p8[1]	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	15		
t_FDD_BlendTblY_Uls_u8p8[1]	18		
t_FDD_BlendTblY_Uls_u8p8[2]	20		
t_FDD_BlendTblY_Uls_u8p8[3]	23		
t_FDD_BlendTblY_Uls_u8p8[4]	26		
t_FDD_BlendTblY_Uls_u8p8[5]	28		
t_FDD_BlendTblY_Uls_u8p8[6]	31		
t_FDD_BlendTblY_Uls_u8p8[7]	33		
t_FDD_BlendTblY_Uls_u8p8[8]	36		
t_FDD_BlendTblY_Uls_u8p8[9]	38		
t_FDD_BlendTblY_Uls_u8p8[10]	41		
t_FDD_BlendTblY_Uls_u8p8[11]	44		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	14746		
t_WIRBIndTblX_MtrNm_u8p8[0]	1306		
t_WIRBIndTblX_MtrNm_u8p8[1]	1331		
t_WIRBIndTblX_MtrNm_u8p8[2]	1357		
t_WIRBIndTblX_MtrNm_u8p8[3]	1382		
t_WIRBIndTblX_MtrNm_u8p8[4]	1408		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0190629773	0.0190629773 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.8 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.1
VehicleSpeed_Kph_T_f32	72.35
WIRCmdAmpBlnd_MtrNm_T_f32	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4774
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1427		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1655		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1884		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2112		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2340		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2568		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2796		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	3024		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3252		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3480		
t_FDD_BlendTblY_Uls_u8p8[0]	18		
t_FDD_BlendTblY_Uls_u8p8[1]	20		
t_FDD_BlendTblY_Uls_u8p8[2]	23		
t_FDD_BlendTblY_Uls_u8p8[3]	26		
t_FDD_BlendTblY_Uls_u8p8[4]	28		
t_FDD_BlendTblY_Uls_u8p8[5]	31		
t_FDD_BlendTblY_Uls_u8p8[6]	33		
t_FDD_BlendTblY_Uls_u8p8[7]	36		
t_FDD_BlendTblY_Uls_u8p8[8]	38		
t_FDD_BlendTblY_Uls_u8p8[9]	41		
t_FDD_BlendTblY_Uls_u8p8[10]	44		
t_FDD_BlendTblY_Uls_u8p8[11]	46		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	8192		
t_WIRBIndTblX_MtrNm_u8p8[0]	1562		
t_WIRBIndTblX_MtrNm_u8p8[1]	1587		
t_WIRBIndTblX_MtrNm_u8p8[2]	1613		
t_WIRBIndTblX_MtrNm_u8p8[3]	1638		
t_WIRBIndTblX_MtrNm_u8p8[4]	1664		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0107031446	0.010703144 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.9 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.2
VehicleSpeed_Kph_T_f32	84
WIRCmdAmpBlnd_MtrNm_T_f32	8.8
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3480

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTbLY_Uls_u8p8[0]	20		
t_FDD_BlendTbLY_Uls_u8p8[1]	23		
t_FDD_BlendTbLY_Uls_u8p8[2]	26		
t_FDD_BlendTbLY_Uls_u8p8[3]	28		
t_FDD_BlendTbLY_Uls_u8p8[4]	31		
t_FDD_BlendTbLY_Uls_u8p8[5]	33		
t_FDD_BlendTbLY_Uls_u8p8[6]	36		
t_FDD_BlendTbLY_Uls_u8p8[7]	38		
t_FDD_BlendTbLY_Uls_u8p8[8]	41		
t_FDD_BlendTbLY_Uls_u8p8[9]	44		
t_FDD_BlendTbLY_Uls_u8p8[10]	46		
t_FDD_BlendTbLY_Uls_u8p8[11]	49		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	9830		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1766		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1792		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1818		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1843		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1869		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0121170254	0.012117026 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.10 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.3
VehicleSpeed_Kph_T_f32	96.14
WIRCmdAmpBlnd_MtrNm_T_f32	4.25
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2112

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	1608		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	2032		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	2455		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][3]	2878		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][4]	3302		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][5]	3725		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][6]	4148		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][7]	4572		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][8]	4995		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][9]	5419		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_DmpADDCoefX_MtrNm_u4p12[0]	24986		
t_DmpADDCoefX_MtrNm_u4p12[1]	25395		
t_DmpADDCoefX_MtrNm_u4p12[2]	25805		
t_DmpADDCoefX_MtrNm_u4p12[3]	26214		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	1789		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	2130		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	2471		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	2811		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	3152		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	3493		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	3834		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	4175		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	4515		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	4856		
t_FDD_BlendTbLY_Uls_u8p8[0]	49		
t_FDD_BlendTbLY_Uls_u8p8[1]	51		
t_FDD_BlendTbLY_Uls_u8p8[2]	54		
t_FDD_BlendTbLY_Uls_u8p8[3]	57		
t_FDD_BlendTbLY_Uls_u8p8[4]	60		
t_FDD_BlendTbLY_Uls_u8p8[5]	63		
t_FDD_BlendTbLY_Uls_u8p8[6]	66		
t_FDD_BlendTbLY_Uls_u8p8[7]	68		
t_FDD_BlendTbLY_Uls_u8p8[8]	71		
t_FDD_BlendTbLY_Uls_u8p8[9]	74		
t_FDD_BlendTbLY_Uls_u8p8[10]	77		
t_FDD_BlendTbLY_Uls_u8p8[11]	80		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	11469		
t_WIRBIndTbIX_MtrNm_u8p8[0]	410		
t_WIRBIndTbIX_MtrNm_u8p8[1]	435		
t_WIRBIndTbIX_MtrNm_u8p8[2]	461		
t_WIRBIndTbIX_MtrNm_u8p8[3]	486		
t_WIRBIndTbIX_MtrNm_u8p8[4]	512		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0130879935	0.013087993 ± 0.00000009	✓

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ADDCoefCalc

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5		✓

Test Step 1.11 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	1.4	
VehicleSpeed_Kph_T_f32	0	
WIRCmdAmpBlnd_MtrNm_T_f32	1.1	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856	
t_CmnVehSpd_Kph_u9p7[0]	5248	
t_CmnVehSpd_Kph_u9p7[1]	5376	
t_CmnVehSpd_Kph_u9p7[2]	5504	
t_CmnVehSpd_Kph_u9p7[3]	5632	
t_CmnVehSpd_Kph_u9p7[4]	5760	
t_CmnVehSpd_Kph_u9p7[5]	5888	
t_CmnVehSpd_Kph_u9p7[6]	6016	
t_CmnVehSpd_Kph_u9p7[7]	6144	
t_CmnVehSpd_Kph_u9p7[8]	6272	
t_CmnVehSpd_Kph_u9p7[9]	6400	
t_CmnVehSpd_Kph_u9p7[10]	6528	
t_CmnVehSpd_Kph_u9p7[11]	6656	
t_DmpADDCoefX_MtrNm_u4p12[0]	28262	
t_DmpADDCoefX_MtrNm_u4p12[1]	28672	
t_DmpADDCoefX_MtrNm_u4p12[2]	29082	
t_DmpADDCoefX_MtrNm_u4p12[3]	29491	
t_DmpADDCoefX_MtrNm_u4p12[4]	29901	
t_DmpADDCoefX_MtrNm_u4p12[5]	30310	
t_DmpADDCoefX_MtrNm_u4p12[6]	30720	
t_DmpADDCoefX_MtrNm_u4p12[7]	31130	
t_DmpADDCoefX_MtrNm_u4p12[8]	31539	
t_DmpADDCoefX_MtrNm_u4p12[9]	31949	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659	
t_FDD_BlendTbIY_Uls_u8p8[0]	65	
t_FDD_BlendTbIY_Uls_u8p8[1]	68	
t_FDD_BlendTbIY_Uls_u8p8[2]	70	
t_FDD_BlendTbIY_Uls_u8p8[3]	73	
t_FDD_BlendTbIY_Uls_u8p8[4]	75	
t_FDD_BlendTbIY_Uls_u8p8[5]	78	
t_FDD_BlendTbIY_Uls_u8p8[6]	80	
t_FDD_BlendTbIY_Uls_u8p8[7]	83	
t_FDD_BlendTbIY_Uls_u8p8[8]	86	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	88		
t_FDD_BlendTblY_Uls_u8p8[10]	91		
t_FDD_BlendTblY_Uls_u8p8[11]	93		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	666		
t_WIRBIndTblX_MtrNm_u8p8[1]	691		
t_WIRBIndTblX_MtrNm_u8p8[2]	717		
t_WIRBIndTblX_MtrNm_u8p8[3]	742		
t_WIRBIndTblX_MtrNm_u8p8[4]	768		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00417164806	0.004171648 ± 0.000000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.12 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.5
VehicleSpeed_Kph_T_f32	511.9921875
WIRCmdAmpBlnd_MtrNm_T_f32	1.2
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5419
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1024

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTblY_Uls_u8p8[0]	93		
t_FDD_BlendTblY_Uls_u8p8[1]	96		
t_FDD_BlendTblY_Uls_u8p8[2]	99		
t_FDD_BlendTblY_Uls_u8p8[3]	101		
t_FDD_BlendTblY_Uls_u8p8[4]	104		
t_FDD_BlendTblY_Uls_u8p8[5]	106		
t_FDD_BlendTblY_Uls_u8p8[6]	109		
t_FDD_BlendTblY_Uls_u8p8[7]	111		
t_FDD_BlendTblY_Uls_u8p8[8]	114		
t_FDD_BlendTblY_Uls_u8p8[9]	116		
t_FDD_BlendTblY_Uls_u8p8[10]	119		
t_FDD_BlendTblY_Uls_u8p8[11]	122		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0185419321	0.018541932 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.13 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.6
VehicleSpeed_Kph_T_f32	100.21
WIRCmdAmpBlnd_MtrNm_T_f32	1.3
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4856
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152

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ADDCoefCalc

Name	Input Value
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_BlendTbIY_Uls_u8p8[0]	116
t_FDD_BlendTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[2]	121
t_FDD_BlendTbIY_Uls_u8p8[3]	123
t_FDD_BlendTbIY_Uls_u8p8[4]	126
t_FDD_BlendTbIY_Uls_u8p8[5]	129
t_FDD_BlendTbIY_Uls_u8p8[6]	131
t_FDD_BlendTbIY_Uls_u8p8[7]	134
t_FDD_BlendTbIY_Uls_u8p8[8]	136
t_FDD_BlendTbIY_Uls_u8p8[9]	139
t_FDD_BlendTbIY_Uls_u8p8[10]	141
t_FDD_BlendTbIY_Uls_u8p8[11]	144
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	1638
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	3277
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	4915
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	6554
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	8192
t_WIRBIndTbIX_MtrNm_u8p8[0]	1178
t_WIRBIndTbIX_MtrNm_u8p8[1]	1203
t_WIRBIndTbIX_MtrNm_u8p8[2]	1229
t_WIRBIndTbIX_MtrNm_u8p8[3]	1254
t_WIRBIndTbIX_MtrNm_u8p8[4]	1280
Name	Actual Value

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	0		
t_DmpADDCoefX_MtrNm_u4p12[1]	0		
t_DmpADDCoefX_MtrNm_u4p12[2]	0		
t_DmpADDCoefX_MtrNm_u4p12[3]	0		
t_DmpADDCoefX_MtrNm_u4p12[4]	0		
t_DmpADDCoefX_MtrNm_u4p12[5]	0		
t_DmpADDCoefX_MtrNm_u4p12[6]	0		
t_DmpADDCoefX_MtrNm_u4p12[7]	0		
t_DmpADDCoefX_MtrNm_u4p12[8]	0		
t_DmpADDCoefX_MtrNm_u4p12[9]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695		
t_FDD_BlendTbIY_Uls_u8p8[0]	144		
t_FDD_BlendTbIY_Uls_u8p8[1]	146		
t_FDD_BlendTbIY_Uls_u8p8[2]	149		
t_FDD_BlendTbIY_Uls_u8p8[3]	152		
t_FDD_BlendTbIY_Uls_u8p8[4]	154		
t_FDD_BlendTbIY_Uls_u8p8[5]	157		
t_FDD_BlendTbIY_Uls_u8p8[6]	159		
t_FDD_BlendTbIY_Uls_u8p8[7]	162		
t_FDD_BlendTbIY_Uls_u8p8[8]	164		
t_FDD_BlendTbIY_Uls_u8p8[9]	167		
t_FDD_BlendTbIY_Uls_u8p8[10]	169		
t_FDD_BlendTbIY_Uls_u8p8[11]	172		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	9830		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0254064538	0.025406454 ± 0.00000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

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ADDCoefCalc

Test Step 1.15 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.8
VehicleSpeed_Kph_T_f32	120.14
WIRCmdAmpBlnd_MtrNm_T_f32	1.5
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][9]	3409
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	36045
t_DmpADDCoefX_MtrNm_u4p12[1]	36045
t_DmpADDCoefX_MtrNm_u4p12[2]	36045
t_DmpADDCoefX_MtrNm_u4p12[3]	36045
t_DmpADDCoefX_MtrNm_u4p12[4]	36045
t_DmpADDCoefX_MtrNm_u4p12[5]	36045
t_DmpADDCoefX_MtrNm_u4p12[6]	36045
t_DmpADDCoefX_MtrNm_u4p12[7]	36045
t_DmpADDCoefX_MtrNm_u4p12[8]	36045
t_DmpADDCoefX_MtrNm_u4p12[9]	36045
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	4915
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	6554
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	8192
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	9830

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	11469		
t_WIRBIndTblX_MtrNm_u8p8[0]	1690		
t_WIRBIndTblX_MtrNm_u8p8[1]	1715		
t_WIRBIndTblX_MtrNm_u8p8[2]	1741		
t_WIRBIndTblX_MtrNm_u8p8[3]	1766		
t_WIRBIndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00286007137	0.002860071 ± 0.000000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

Test Step 1.16 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	1.9	
VehicleSpeed_Kph_T_f32	132	
WIRCmdAmpBlnd_MtrNm_T_f32	1.6	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	161	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	328	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	494	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	661	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	827	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	994	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1160	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1326	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1493	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1659	
t_CmnVehSpd_Kph_u9p7[0]	128	
t_CmnVehSpd_Kph_u9p7[1]	256	
t_CmnVehSpd_Kph_u9p7[2]	384	
t_CmnVehSpd_Kph_u9p7[3]	512	
t_CmnVehSpd_Kph_u9p7[4]	640	
t_CmnVehSpd_Kph_u9p7[5]	768	
t_CmnVehSpd_Kph_u9p7[6]	896	
t_CmnVehSpd_Kph_u9p7[7]	1024	
t_CmnVehSpd_Kph_u9p7[8]	1152	
t_CmnVehSpd_Kph_u9p7[9]	1280	
t_CmnVehSpd_Kph_u9p7[10]	1408	
t_CmnVehSpd_Kph_u9p7[11]	1536	
t_DmpADDCoefX_MtrNm_u4p12[0]	8602	
t_DmpADDCoefX_MtrNm_u4p12[1]	9011	
t_DmpADDCoefX_MtrNm_u4p12[2]	9421	
t_DmpADDCoefX_MtrNm_u4p12[3]	9830	
t_DmpADDCoefX_MtrNm_u4p12[4]	10240	
t_DmpADDCoefX_MtrNm_u4p12[5]	10650	
t_DmpADDCoefX_MtrNm_u4p12[6]	11059	
t_DmpADDCoefX_MtrNm_u4p12[7]	11469	
t_DmpADDCoefX_MtrNm_u4p12[8]	11878	
t_DmpADDCoefX_MtrNm_u4p12[9]	12288	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1066	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1212	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1359	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1506	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1653	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	1800	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	1946	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2093	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	2240	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	2387	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00236540218	0.002365402 ± 0.000000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.17 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	2
VehicleSpeed_Kph_T_f32	144.25
WIRCmdAmpBlnd_MtrNm_T_f32	1.7
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1659
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	6144		
t_DmpADDCoefX_MtrNm_u4p12[5]	6554		
t_DmpADDCoefX_MtrNm_u4p12[6]	6963		
t_DmpADDCoefX_MtrNm_u4p12[7]	7373		
t_DmpADDCoefX_MtrNm_u4p12[8]	7782		
t_DmpADDCoefX_MtrNm_u4p12[9]	8192		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1246		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1638		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2030		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2422		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2814		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3206		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3598		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	3990		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4382		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	4774		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_RIAstWIRBndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBndTblY_Uls_u2p14[4]	14746		
t_WIRBndTblX_MtrNm_u8p8[0]	922		
t_WIRBndTblX_MtrNm_u8p8[1]	947		
t_WIRBndTblX_MtrNm_u8p8[2]	973		
t_WIRBndTblX_MtrNm_u8p8[3]	998		
t_WIRBndTblX_MtrNm_u8p8[4]	1024		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0327785164	0.032778516 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.18 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-1
VehicleSpeed_Kph_T_f32	156.12
WIRCmdAmpBnd_MtrNm_T_f32	1.8
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3409

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	342		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	683		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	1024		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTbLY_Uls_u8p8[0]	5		
t_FDD_BlendTbLY_Uls_u8p8[1]	8		
t_FDD_BlendTbLY_Uls_u8p8[2]	10		
t_FDD_BlendTbLY_Uls_u8p8[3]	13		
t_FDD_BlendTbLY_Uls_u8p8[4]	15		
t_FDD_BlendTbLY_Uls_u8p8[5]	18		
t_FDD_BlendTbLY_Uls_u8p8[6]	20		
t_FDD_BlendTbLY_Uls_u8p8[7]	23		
t_FDD_BlendTbLY_Uls_u8p8[8]	26		
t_FDD_BlendTbLY_Uls_u8p8[9]	28		
t_FDD_BlendTbLY_Uls_u8p8[10]	31		
t_FDD_BlendTbLY_Uls_u8p8[11]	33		
t_RIAstWIRBlndTbLY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTbLY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTbLY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTbLY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTbLY_Uls_u2p14[4]	8192		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00810782239	0.008107823 ± 0.000000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.19 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-2
VehicleSpeed_Kph_T_f32	168
WIRCmdAmpBlnd_MtrNm_T_f32	1.9
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2112

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_DmpADDCoefX_MtrNm_u4p12[0]	12698		
t_DmpADDCoefX_MtrNm_u4p12[1]	13107		
t_DmpADDCoefX_MtrNm_u4p12[2]	13517		
t_DmpADDCoefX_MtrNm_u4p12[3]	13926		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTbIY_Uls_u8p8[0]	10		
t_FDD_BlendTbIY_Uls_u8p8[1]	13		
t_FDD_BlendTbIY_Uls_u8p8[2]	15		
t_FDD_BlendTbIY_Uls_u8p8[3]	18		
t_FDD_BlendTbIY_Uls_u8p8[4]	20		
t_FDD_BlendTbIY_Uls_u8p8[5]	23		
t_FDD_BlendTbIY_Uls_u8p8[6]	26		
t_FDD_BlendTbIY_Uls_u8p8[7]	28		
t_FDD_BlendTbIY_Uls_u8p8[8]	31		
t_FDD_BlendTbIY_Uls_u8p8[9]	33		
t_FDD_BlendTbIY_Uls_u8p8[10]	36		
t_FDD_BlendTbIY_Uls_u8p8[11]	38		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	9830		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00480917655	0.004809176 ± 0.000000009	✓

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ADDCoefCalc

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5		✓

Test Step 1.20 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	-3	
VehicleSpeed_Kph_T_f32	180.21	
WIRCmdAmpBlnd_MtrNm_T_f32	2	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0	
t_CmnVehSpd_Kph_u9p7[0]	10368	
t_CmnVehSpd_Kph_u9p7[1]	10496	
t_CmnVehSpd_Kph_u9p7[2]	10624	
t_CmnVehSpd_Kph_u9p7[3]	10752	
t_CmnVehSpd_Kph_u9p7[4]	10880	
t_CmnVehSpd_Kph_u9p7[5]	11008	
t_CmnVehSpd_Kph_u9p7[6]	11136	
t_CmnVehSpd_Kph_u9p7[7]	11264	
t_CmnVehSpd_Kph_u9p7[8]	11392	
t_CmnVehSpd_Kph_u9p7[9]	11520	
t_CmnVehSpd_Kph_u9p7[10]	11648	
t_CmnVehSpd_Kph_u9p7[11]	11776	
t_DmpADDCoefX_MtrNm_u4p12[0]	16794	
t_DmpADDCoefX_MtrNm_u4p12[1]	17203	
t_DmpADDCoefX_MtrNm_u4p12[2]	17613	
t_DmpADDCoefX_MtrNm_u4p12[3]	18022	
t_DmpADDCoefX_MtrNm_u4p12[4]	18432	
t_DmpADDCoefX_MtrNm_u4p12[5]	18842	
t_DmpADDCoefX_MtrNm_u4p12[6]	19251	
t_DmpADDCoefX_MtrNm_u4p12[7]	19661	
t_DmpADDCoefX_MtrNm_u4p12[8]	20070	
t_DmpADDCoefX_MtrNm_u4p12[9]	20480	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695	
t_FDD_BlendTbIY_Uls_u8p8[0]	13	
t_FDD_BlendTbIY_Uls_u8p8[1]	15	
t_FDD_BlendTbIY_Uls_u8p8[2]	18	
t_FDD_BlendTbIY_Uls_u8p8[3]	20	
t_FDD_BlendTbIY_Uls_u8p8[4]	23	
t_FDD_BlendTbIY_Uls_u8p8[5]	26	
t_FDD_BlendTbIY_Uls_u8p8[6]	28	
t_FDD_BlendTbIY_Uls_u8p8[7]	31	
t_FDD_BlendTbIY_Uls_u8p8[8]	33	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	36		
t_FDD_BlendTblY_Uls_u8p8[10]	38		
t_FDD_BlendTblY_Uls_u8p8[11]	41		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	11469		
t_WIRBIndTblX_MtrNm_u8p8[0]	1690		
t_WIRBIndTblX_MtrNm_u8p8[1]	1715		
t_WIRBIndTblX_MtrNm_u8p8[2]	1741		
t_WIRBIndTblX_MtrNm_u8p8[3]	1766		
t_WIRBIndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00464858953	0.00464859 ± 0.000000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.21 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-4
VehicleSpeed_Kph_T_f32	192
WIRCmdAmpBlnd_MtrNm_T_f32	2.1
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	6554
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1087

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTblY_Uls_u8p8[0]	15		
t_FDD_BlendTblY_Uls_u8p8[1]	18		
t_FDD_BlendTblY_Uls_u8p8[2]	20		
t_FDD_BlendTblY_Uls_u8p8[3]	23		
t_FDD_BlendTblY_Uls_u8p8[4]	26		
t_FDD_BlendTblY_Uls_u8p8[5]	28		
t_FDD_BlendTblY_Uls_u8p8[6]	31		
t_FDD_BlendTblY_Uls_u8p8[7]	33		
t_FDD_BlendTblY_Uls_u8p8[8]	36		
t_FDD_BlendTblY_Uls_u8p8[9]	38		
t_FDD_BlendTblY_Uls_u8p8[10]	41		
t_FDD_BlendTblY_Uls_u8p8[11]	44		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	1894		
t_WIRBIndTblX_MtrNm_u8p8[1]	1920		
t_WIRBIndTblX_MtrNm_u8p8[2]	1946		
t_WIRBIndTblX_MtrNm_u8p8[3]	1971		
t_WIRBIndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00929849967	0.0092985 ± 0.000000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.22 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-5
VehicleSpeed_Kph_T_f32	204
WIRCmdAmpBlnd_MtrNm_T_f32	2.2
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5419
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	5120		
t_CmnVehSpd_Kph_u9p7[10]	5248		
t_CmnVehSpd_Kph_u9p7[11]	5376		
t_DmpADDCoefX_MtrNm_u4p12[0]	24986		
t_DmpADDCoefX_MtrNm_u4p12[1]	25395		
t_DmpADDCoefX_MtrNm_u4p12[2]	25805		
t_DmpADDCoefX_MtrNm_u4p12[3]	26214		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	161		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	328		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	494		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTbLY_Uls_u8p8[0]	18		
t_FDD_BlendTbLY_Uls_u8p8[1]	20		
t_FDD_BlendTbLY_Uls_u8p8[2]	23		
t_FDD_BlendTbLY_Uls_u8p8[3]	26		
t_FDD_BlendTbLY_Uls_u8p8[4]	28		
t_FDD_BlendTbLY_Uls_u8p8[5]	31		
t_FDD_BlendTbLY_Uls_u8p8[6]	33		
t_FDD_BlendTbLY_Uls_u8p8[7]	36		
t_FDD_BlendTbLY_Uls_u8p8[8]	38		
t_FDD_BlendTbLY_Uls_u8p8[9]	41		
t_FDD_BlendTbLY_Uls_u8p8[10]	44		
t_FDD_BlendTbLY_Uls_u8p8[11]	46		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	8192		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	9830		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	11469		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	13107		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	14746		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00246831775	0.002468318 ± 0.000000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

Test Step 1.23 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	-6	
VehicleSpeed_Kph_T_f32	216.25	
WIRCmdAmpBlnd_MtrNm_T_f32	2.3	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	704	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	814	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	924	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	1034	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	1144	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	1254	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	1364	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	1475	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	1585	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	1695	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	523	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	1038	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	1553	

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[0]	20		
t_FDD_BlendTbIY_Uls_u8p8[1]	23		
t_FDD_BlendTbIY_Uls_u8p8[2]	26		
t_FDD_BlendTbIY_Uls_u8p8[3]	28		
t_FDD_BlendTbIY_Uls_u8p8[4]	31		
t_FDD_BlendTbIY_Uls_u8p8[5]	33		
t_FDD_BlendTbIY_Uls_u8p8[6]	36		
t_FDD_BlendTbIY_Uls_u8p8[7]	38		
t_FDD_BlendTbIY_Uls_u8p8[8]	41		
t_FDD_BlendTbIY_Uls_u8p8[9]	44		
t_FDD_BlendTbIY_Uls_u8p8[10]	46		
t_FDD_BlendTbIY_Uls_u8p8[11]	49		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	8192		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00100163568	0.001001636 ± 0.000000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

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ADDCoefCalc

Test Step 1.24 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-7
VehicleSpeed_Kph_T_f32	228.25
WIRCmdAmpBlnd_MtrNm_T_f32	2.4
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][9]	1695
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[0]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[1]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[2]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[3]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[4]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[5]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[6]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[7]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[8]	6554
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[9]	6554
t_FDD_BlendTbly_Uls_u8p8[0]	49
t_FDD_BlendTbly_Uls_u8p8[1]	51
t_FDD_BlendTbly_Uls_u8p8[2]	54
t_FDD_BlendTbly_Uls_u8p8[3]	57
t_FDD_BlendTbly_Uls_u8p8[4]	60
t_FDD_BlendTbly_Uls_u8p8[5]	63
t_FDD_BlendTbly_Uls_u8p8[6]	66
t_FDD_BlendTbly_Uls_u8p8[7]	68
t_FDD_BlendTbly_Uls_u8p8[8]	71
t_FDD_BlendTbly_Uls_u8p8[9]	74
t_FDD_BlendTbly_Uls_u8p8[10]	77
t_FDD_BlendTbly_Uls_u8p8[11]	80
t_RIAstWIRBlndTbly_Uls_u2p14[0]	3277
t_RIAstWIRBlndTbly_Uls_u2p14[1]	4915
t_RIAstWIRBlndTbly_Uls_u2p14[2]	6554
t_RIAstWIRBlndTbly_Uls_u2p14[3]	8192

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBndTblY_Uls_u2p14[4]	9830		
t_WIRBndTblX_MtrNm_u8p8[0]	1690		
t_WIRBndTblX_MtrNm_u8p8[1]	1715		
t_WIRBndTblX_MtrNm_u8p8[2]	1741		
t_WIRBndTblX_MtrNm_u8p8[3]	1766		
t_WIRBndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0386052094	0.03860521 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.25 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-8
VehicleSpeed_Kph_T_f32	240
WIRCmdAmpBlnd_MtrNm_T_f32	2.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3409

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	65		
t_FDD_BlendTblY_Uls_u8p8[1]	68		
t_FDD_BlendTblY_Uls_u8p8[2]	70		
t_FDD_BlendTblY_Uls_u8p8[3]	73		
t_FDD_BlendTblY_Uls_u8p8[4]	75		
t_FDD_BlendTblY_Uls_u8p8[5]	78		
t_FDD_BlendTblY_Uls_u8p8[6]	80		
t_FDD_BlendTblY_Uls_u8p8[7]	83		
t_FDD_BlendTblY_Uls_u8p8[8]	86		
t_FDD_BlendTblY_Uls_u8p8[9]	88		
t_FDD_BlendTblY_Uls_u8p8[10]	91		
t_FDD_BlendTblY_Uls_u8p8[11]	93		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	11469		
t_WIRBIndTblX_MtrNm_u8p8[0]	1894		
t_WIRBIndTblX_MtrNm_u8p8[1]	1920		
t_WIRBIndTblX_MtrNm_u8p8[2]	1946		
t_WIRBIndTblX_MtrNm_u8p8[3]	1971		
t_WIRBIndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0226821322	0.022682133 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.26 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	3
VehicleSpeed_Kph_T_f32	252.24
WIRCmdAmpBlnd_MtrNm_T_f32	2.6
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	2387
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTblY_Uls_u8p8[0]	93		
t_FDD_BlendTblY_Uls_u8p8[1]	96		
t_FDD_BlendTblY_Uls_u8p8[2]	99		
t_FDD_BlendTblY_Uls_u8p8[3]	101		
t_FDD_BlendTblY_Uls_u8p8[4]	104		
t_FDD_BlendTblY_Uls_u8p8[5]	106		
t_FDD_BlendTblY_Uls_u8p8[6]	109		
t_FDD_BlendTblY_Uls_u8p8[7]	111		
t_FDD_BlendTblY_Uls_u8p8[8]	114		
t_FDD_BlendTblY_Uls_u8p8[9]	116		
t_FDD_BlendTblY_Uls_u8p8[10]	119		
t_FDD_BlendTblY_Uls_u8p8[11]	122		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	0		
t_WIRBlndTblX_MtrNm_u8p8[1]	0		
t_WIRBlndTblX_MtrNm_u8p8[2]	0		
t_WIRBlndTblX_MtrNm_u8p8[3]	0		
t_WIRBlndTblX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0104283169	0.010428317 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.27 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	4
VehicleSpeed_Kph_T_f32	264
WIRCmdAmpBlnd_MtrNm_T_f32	2.7
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4774

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	16794		
t_DmpADDCoefX_MtrNm_u4p12[1]	17203		
t_DmpADDCoefX_MtrNm_u4p12[2]	17613		
t_DmpADDCoefX_MtrNm_u4p12[3]	18022		
t_DmpADDCoefX_MtrNm_u4p12[4]	18432		
t_DmpADDCoefX_MtrNm_u4p12[5]	18842		
t_DmpADDCoefX_MtrNm_u4p12[6]	19251		
t_DmpADDCoefX_MtrNm_u4p12[7]	19661		
t_DmpADDCoefX_MtrNm_u4p12[8]	20070		
t_DmpADDCoefX_MtrNm_u4p12[9]	20480		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	14746		
t_WIRBlndTbIX_MtrNm_u8p8[0]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[1]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[2]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[3]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0117070675	0.011707067 ± 0.00000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.28 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	5
VehicleSpeed_Kph_T_f32	276.14
WIRCmdAmpBlnd_MtrNm_T_f32	2.8
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	20890		
t_DmpADDCoefX_MtrNm_u4p12[1]	21299		
t_DmpADDCoefX_MtrNm_u4p12[2]	21709		
t_DmpADDCoefX_MtrNm_u4p12[3]	22118		
t_DmpADDCoefX_MtrNm_u4p12[4]	22528		
t_DmpADDCoefX_MtrNm_u4p12[5]	22938		
t_DmpADDCoefX_MtrNm_u4p12[6]	23347		
t_DmpADDCoefX_MtrNm_u4p12[7]	23757		
t_DmpADDCoefX_MtrNm_u4p12[8]	24166		
t_DmpADDCoefX_MtrNm_u4p12[9]	24576		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTbIY_Uls_u8p8[0]	144		
t_FDD_BlendTbIY_Uls_u8p8[1]	146		
t_FDD_BlendTbIY_Uls_u8p8[2]	149		
t_FDD_BlendTbIY_Uls_u8p8[3]	152		
t_FDD_BlendTbIY_Uls_u8p8[4]	154		
t_FDD_BlendTbIY_Uls_u8p8[5]	157		
t_FDD_BlendTbIY_Uls_u8p8[6]	159		
t_FDD_BlendTbIY_Uls_u8p8[7]	162		
t_FDD_BlendTbIY_Uls_u8p8[8]	164		
t_FDD_BlendTbIY_Uls_u8p8[9]	167		
t_FDD_BlendTbIY_Uls_u8p8[10]	169		
t_FDD_BlendTbIY_Uls_u8p8[11]	172		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	13107		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0118969213	0.011896921 ± 0.00000009	✓

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ADDCoefCalc

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5		✓

Test Step 1.29 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	6	
VehicleSpeed_Kph_T_f32	288	
WIRCmdAmpBlnd_MtrNm_T_f32	2.9	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995	
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419	
t_CmnVehSpd_Kph_u9p7[0]	15488	
t_CmnVehSpd_Kph_u9p7[1]	15616	
t_CmnVehSpd_Kph_u9p7[2]	15744	
t_CmnVehSpd_Kph_u9p7[3]	15872	
t_CmnVehSpd_Kph_u9p7[4]	16000	
t_CmnVehSpd_Kph_u9p7[5]	16128	
t_CmnVehSpd_Kph_u9p7[6]	16256	
t_CmnVehSpd_Kph_u9p7[7]	16384	
t_CmnVehSpd_Kph_u9p7[8]	16512	
t_CmnVehSpd_Kph_u9p7[9]	16640	
t_CmnVehSpd_Kph_u9p7[10]	16768	
t_CmnVehSpd_Kph_u9p7[11]	16896	
t_DmpADDCoefX_MtrNm_u4p12[0]	24986	
t_DmpADDCoefX_MtrNm_u4p12[1]	25395	
t_DmpADDCoefX_MtrNm_u4p12[2]	25805	
t_DmpADDCoefX_MtrNm_u4p12[3]	26214	
t_DmpADDCoefX_MtrNm_u4p12[4]	26624	
t_DmpADDCoefX_MtrNm_u4p12[5]	27034	
t_DmpADDCoefX_MtrNm_u4p12[6]	27443	
t_DmpADDCoefX_MtrNm_u4p12[7]	27853	
t_DmpADDCoefX_MtrNm_u4p12[8]	28262	
t_DmpADDCoefX_MtrNm_u4p12[9]	28672	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515	
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856	
t_FDD_BlendTbIY_Uls_u8p8[0]	172	
t_FDD_BlendTbIY_Uls_u8p8[1]	174	
t_FDD_BlendTbIY_Uls_u8p8[2]	176	
t_FDD_BlendTbIY_Uls_u8p8[3]	178	
t_FDD_BlendTbIY_Uls_u8p8[4]	180	
t_FDD_BlendTbIY_Uls_u8p8[5]	183	
t_FDD_BlendTbIY_Uls_u8p8[6]	185	
t_FDD_BlendTbIY_Uls_u8p8[7]	187	
t_FDD_BlendTbIY_Uls_u8p8[8]	189	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTbLY_Uls_u8p8[9]	191		
t_FDD_BlendTbLY_Uls_u8p8[10]	193		
t_FDD_BlendTbLY_Uls_u8p8[11]	195		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	0		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	0		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	0		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	0		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	0		
t_WIRBIndTbIX_MtrNm_u8p8[0]	282		
t_WIRBIndTbIX_MtrNm_u8p8[1]	307		
t_WIRBIndTbIX_MtrNm_u8p8[2]	333		
t_WIRBIndTbIX_MtrNm_u8p8[3]	358		
t_WIRBIndTbIX_MtrNm_u8p8[4]	384		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0136489868	0.013648987 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.30 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	7
VehicleSpeed_Kph_T_f32	300.25
WIRCmdAmpBlnd_MtrNm_T_f32	3.2
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][9]	4856
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	494

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	16384		
t_WIRBIndTblX_MtrNm_u8p8[0]	538		
t_WIRBIndTblX_MtrNm_u8p8[1]	563		
t_WIRBIndTblX_MtrNm_u8p8[2]	589		
t_WIRBIndTblX_MtrNm_u8p8[3]	614		
t_WIRBIndTblX_MtrNm_u8p8[4]	640		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0155524611	0.015552461 ± 0.00000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.31 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	8
VehicleSpeed_Kph_T_f32	312
WIRCmdAmpBlnd_MtrNm_T_f32	3.1
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1659
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	6400		
t_CmnVehSpd_Kph_u9p7[10]	6528		
t_CmnVehSpd_Kph_u9p7[11]	6656		
t_DmpADDCoefX_MtrNm_u4p12[0]	4506		
t_DmpADDCoefX_MtrNm_u4p12[1]	4915		
t_DmpADDCoefX_MtrNm_u4p12[2]	5325		
t_DmpADDCoefX_MtrNm_u4p12[3]	5734		
t_DmpADDCoefX_MtrNm_u4p12[4]	6144		
t_DmpADDCoefX_MtrNm_u4p12[5]	6554		
t_DmpADDCoefX_MtrNm_u4p12[6]	6963		
t_DmpADDCoefX_MtrNm_u4p12[7]	7373		
t_DmpADDCoefX_MtrNm_u4p12[8]	7782		
t_DmpADDCoefX_MtrNm_u4p12[9]	8192		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	342		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	683		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	1024		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTbLY_Uls_u8p8[0]	15		
t_FDD_BlendTbLY_Uls_u8p8[1]	18		
t_FDD_BlendTbLY_Uls_u8p8[2]	20		
t_FDD_BlendTbLY_Uls_u8p8[3]	23		
t_FDD_BlendTbLY_Uls_u8p8[4]	26		
t_FDD_BlendTbLY_Uls_u8p8[5]	28		
t_FDD_BlendTbLY_Uls_u8p8[6]	31		
t_FDD_BlendTbLY_Uls_u8p8[7]	33		
t_FDD_BlendTbLY_Uls_u8p8[8]	36		
t_FDD_BlendTbLY_Uls_u8p8[9]	38		
t_FDD_BlendTbLY_Uls_u8p8[10]	41		
t_FDD_BlendTbLY_Uls_u8p8[11]	44		
t_RIAstWIRBlndTbLY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTbLY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTbLY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTbLY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTbLY_Uls_u2p14[4]	11469		
t_WIRBlndTbIX_MtrNm_u8p8[0]	794		
t_WIRBlndTbIX_MtrNm_u8p8[1]	819		
t_WIRBlndTbIX_MtrNm_u8p8[2]	845		
t_WIRBlndTbIX_MtrNm_u8p8[3]	870		
t_WIRBlndTbIX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0253202002	0.0253202 ± 0.00000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

Test Step 1.32 (Repeat Count = 1)		✓
Name	Input Value	
BaseAssistCmd_MtrNm_T_f32	1.5	
VehicleSpeed_Kph_T_f32	324.14	
WIRCmdAmpBlnd_MtrNm_T_f32	3.2	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	523	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1038	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1553	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2068	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	2583	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	3099	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	3614	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	4129	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	4644	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	5159	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	342	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	683	
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	1024	

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	1638		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	8192		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1050		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1075		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1101		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1126		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1152		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00270421011	0.00270421 ± 0.000000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

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ADDCoefCalc

Test Step 1.33 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-1.5
VehicleSpeed_Kph_T_f32	336
WIRCmdAmpBlnd_MtrNm_T_f32	3.3
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][9]	5159
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_BlendTbLY_Uls_u8p8[0]	172
t_FDD_BlendTbLY_Uls_u8p8[1]	174
t_FDD_BlendTbLY_Uls_u8p8[2]	176
t_FDD_BlendTbLY_Uls_u8p8[3]	178
t_FDD_BlendTbLY_Uls_u8p8[4]	180
t_FDD_BlendTbLY_Uls_u8p8[5]	183
t_FDD_BlendTbLY_Uls_u8p8[6]	185
t_FDD_BlendTbLY_Uls_u8p8[7]	187
t_FDD_BlendTbLY_Uls_u8p8[8]	189
t_FDD_BlendTbLY_Uls_u8p8[9]	191
t_FDD_BlendTbLY_Uls_u8p8[10]	193
t_FDD_BlendTbLY_Uls_u8p8[11]	195
t_RIAstWIRBlndTbLY_Uls_u2p14[0]	3277
t_RIAstWIRBlndTbLY_Uls_u2p14[1]	4915
t_RIAstWIRBlndTbLY_Uls_u2p14[2]	6554
t_RIAstWIRBlndTbLY_Uls_u2p14[3]	8192

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	9830		
t_WIRBIndTblX_MtrNm_u8p8[0]	1306		
t_WIRBIndTblX_MtrNm_u8p8[1]	1331		
t_WIRBIndTblX_MtrNm_u8p8[2]	1357		
t_WIRBIndTblX_MtrNm_u8p8[3]	1382		
t_WIRBIndTblX_MtrNm_u8p8[4]	1408		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00417356379	0.004173564 ± 0.000000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓	

Test Step 1.34 (Repeat Count = 1)			
Name		Input Value	
BaseAssistCmd_MtrNm_T_f32		2.9	
VehicleSpeed_Kph_T_f32		348.14	
WIRCmdAmpBlnd_MtrNm_T_f32		3.4	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]		885	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]		986	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]		1087	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]		1188	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]		1288	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]		1389	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]		1490	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]		1591	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]		1692	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]		1793	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]		704	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]		814	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]		924	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]		1034	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]		1144	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]		1254	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]		1364	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]		1475	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]		1585	
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]		1695	
t_CmnVehSpd_Kph_u9p7[0]		12800	
t_CmnVehSpd_Kph_u9p7[1]		12928	
t_CmnVehSpd_Kph_u9p7[2]		13056	
t_CmnVehSpd_Kph_u9p7[3]		13184	
t_CmnVehSpd_Kph_u9p7[4]		13312	
t_CmnVehSpd_Kph_u9p7[5]		13440	
t_CmnVehSpd_Kph_u9p7[6]		13568	
t_CmnVehSpd_Kph_u9p7[7]		13696	
t_CmnVehSpd_Kph_u9p7[8]		13824	
t_CmnVehSpd_Kph_u9p7[9]		13952	
t_CmnVehSpd_Kph_u9p7[10]		14080	
t_CmnVehSpd_Kph_u9p7[11]		14208	
t_DmpADDCoefX_MtrNm_u4p12[0]		16794	
t_DmpADDCoefX_MtrNm_u4p12[1]		17203	
t_DmpADDCoefX_MtrNm_u4p12[2]		17613	
t_DmpADDCoefX_MtrNm_u4p12[3]		18022	
t_DmpADDCoefX_MtrNm_u4p12[4]		18432	
t_DmpADDCoefX_MtrNm_u4p12[5]		18842	
t_DmpADDCoefX_MtrNm_u4p12[6]		19251	
t_DmpADDCoefX_MtrNm_u4p12[7]		19661	
t_DmpADDCoefX_MtrNm_u4p12[8]		20070	
t_DmpADDCoefX_MtrNm_u4p12[9]		20480	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]		342	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]		683	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]		1024	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]		1364	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]		1705	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]		2046	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]		2387	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]		2728	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]		3068	
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]		3409	

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00614841701	0.006148417 ± 0.000000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.35 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	3.7
VehicleSpeed_Kph_T_f32	360
WIRCmdAmpBlnd_MtrNm_T_f32	3.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	22528		
t_DmpADDCoefX_MtrNm_u4p12[5]	22938		
t_DmpADDCoefX_MtrNm_u4p12[6]	23347		
t_DmpADDCoefX_MtrNm_u4p12[7]	23757		
t_DmpADDCoefX_MtrNm_u4p12[8]	24166		
t_DmpADDCoefX_MtrNm_u4p12[9]	24576		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	523		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1038		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1553		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTblY_Uls_u8p8[0]	0		
t_FDD_BlendTblY_Uls_u8p8[1]	0		
t_FDD_BlendTblY_Uls_u8p8[2]	0		
t_FDD_BlendTblY_Uls_u8p8[3]	0		
t_FDD_BlendTblY_Uls_u8p8[4]	0		
t_FDD_BlendTblY_Uls_u8p8[5]	0		
t_FDD_BlendTblY_Uls_u8p8[6]	0		
t_FDD_BlendTblY_Uls_u8p8[7]	0		
t_FDD_BlendTblY_Uls_u8p8[8]	0		
t_FDD_BlendTblY_Uls_u8p8[9]	0		
t_FDD_BlendTblY_Uls_u8p8[10]	0		
t_FDD_BlendTblY_Uls_u8p8[11]	0		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	1766		
t_WIRBIndTblX_MtrNm_u8p8[1]	1792		
t_WIRBIndTblX_MtrNm_u8p8[2]	1818		
t_WIRBIndTblX_MtrNm_u8p8[3]	1843		
t_WIRBIndTblX_MtrNm_u8p8[4]	1869		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00399017334	0.003990173 ± 0.000000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.36 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-3.69
VehicleSpeed_Kph_T_f32	372.14
WIRCmdAmpBlnd_MtrNm_T_f32	3.6
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	2387

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ADDCoefCalc

Name	Input Value
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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	13107		
t_WIRBIndTbIX_MtrNm_u8p8[0]	666		
t_WIRBIndTbIX_MtrNm_u8p8[1]	691		
t_WIRBIndTbIX_MtrNm_u8p8[2]	717		
t_WIRBIndTbIX_MtrNm_u8p8[3]	742		
t_WIRBIndTbIX_MtrNm_u8p8[4]	768		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00845662132	0.008456621 ± 0.000000009	✓

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ADDCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5		✓

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GenFddlcCmd



Project	FDD_Inertia
Module	FDD_Inertia
Test Object	GenFddlcCmd

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

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GenFddlcCmd



Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as ""0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

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Attributes	
Name	Value
UDE Config File	\${PROJECTROOT}\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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Test Case 1: Metrics Test

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

CPU Cycles:

TS1.1 360.00 Cycles
TS1.2 360.00 Cycles

Description Test Vector Description:

TS1.1 "Shortest Execution Path:
(ScaledDriverVel_MtrRadpS_T_f32>=D_ATTENTBLMAXINPUT_MTRRADPS_F32)=True"
TS1.2 "Longest Execution Path:
(ScaledDriverVel_MtrRadpS_T_f32>=D_ATTENTBLMAXINPUT_MTRRADPS_F32)=False
(ScaledDriverVel_MtrRadpS_T_f32<=D_ATTENTBLMININPUT_MTRRADPS_F32)=False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.1		
Prev1ScIDrvVel_RadpS_M_f32	22.2		
Prev2PreAttnComp_MtrNm_M_f32	7.3		
Prev2ScIDrvVel_RadpS_M_f32	10		
ScaledDriverVel_MtrRadpS_T_f32	-7226.652		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320		
t_FDD_AttenTblY_Uls_u8p8[0]	49		
t_FDD_AttenTblY_Uls_u8p8[1]	51		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.024534		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.124564		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0000456		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.0453		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.3242		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.54523		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.330669165	-0.330669151 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-1.6598295	-1.659829464 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-7226.65186	-7226.652 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.1 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	22.2000008	22.2 ± 0.00390625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-2.2		
Prev1ScIDrvVel_RadpS_M_f32	-16.66		
Prev2PreAttnComp_MtrNm_M_f32	-5.2		
Prev2ScIDrvVel_RadpS_M_f32	-3		
ScaledDriverVel_MtrRadpS_T_f32	10.2		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	512		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	560		
t_FDD_AttenTblY_Uls_u8p8[0]	116		
t_FDD_AttenTblY_Uls_u8p8[1]	118		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02345		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.15457		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.32		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.766645		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.9789		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.3242		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.334564269	-0.334564171 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-0.738348722	-0.738348516 ± 0.0000009	✓
Prev1ScIDrvVel_RadpS_M_f32	10.1999998	10.2 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.2 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-16.6599998	-16.66 ± 0.00390625	✓

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T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1		✓

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Test Case 2: Boundary Test



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Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment)
	CPU Cycles:
TS2.1	360.00 Cycles
TS2.2	360.00 Cycles
TS2.3	360.00 Cycles
TS2.4	360.00 Cycles
TS2.5	360.00 Cycles
TS2.6	360.00 Cycles
TS2.7	360.00 Cycles
TS2.8	372.00 Cycles
TS2.9	360.00 Cycles
TS2.10	360.00 Cycles
TS2.11	360.00 Cycles
TS2.12	372.00 Cycles
TS2.13	372.00 Cycles
TS2.14	372.00 Cycles
TS2.15	360.00 Cycles
TS2.16	360.00 Cycles
TS2.17	360.00 Cycles
TS2.18	360.00 Cycles
TS2.19	360.00 Cycles
TS2.20	372.00 Cycles
TS2.21	372.00 Cycles
TS2.22	372.00 Cycles
TS2.23	372.00 Cycles
TS2.24	360.00 Cycles
TS2.25	360.00 Cycles
TS2.26	360.00 Cycles
TS2.27	428.00 Cycles
TS2.28	360.00 Cycles
TS2.29	360.00 Cycles
TS2.30	360.00 Cycles
TS2.31	360.00 Cycles
TS2.32	360.00 Cycles
TS2.33	360.00 Cycles
TS2.34	360.00 Cycles
TS2.35	372.00 Cycles
TS2.36	360.00 Cycles
TS2.37	360.00 Cycles
TS2.38	360.00 Cycles
TS2.39	360.00 Cycles
TS2.40	372.00 Cycles
TS2.41	372.00 Cycles
TS2.42	360.00 Cycles
TS2.43	372.00 Cycles
TS2.44	360.00 Cycles
TS2.45	360.00 Cycles
TS2.46	372.00 Cycles
TS2.47	360.00 Cycles
TS2.48	360.00 Cycles
TS2.49	360.00 Cycles
TS2.50	360.00 Cycles
TS2.51	360.00 Cycles

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Description Test Vector Description

TS2.1 All min
 TS2.2 All max
 TS2.3 ScaledDriverVel_MtrRadpS_T_f32 = min
 TS2.4 ScaledDriverVel_MtrRadpS_T_f32 = max
 TS2.5 ScaledDriverVel_MtrRadpS_T_f32 = zero
 TS2.6 ScaledDriverVel_MtrRadpS_T_f32 = pos
 TS2.7 ScaledDriverVel_MtrRadpS_T_f32 = neg
 TS2.8 filtCoef_Uls_T_Str.b0_Uls_f32 = min
 TS2.9 filtCoef_Uls_T_Str.b0_Uls_f32 = max
 TS2.10 filtCoef_Uls_T_Str.b0_Uls_f32 = mid
 TS2.11 filtCoef_Uls_T_Str.b1_Uls_f32 = min
 TS2.12 filtCoef_Uls_T_Str.b1_Uls_f32 = max
 TS2.13 filtCoef_Uls_T_Str.b1_Uls_f32 = mid
 TS2.14 filtCoef_Uls_T_Str.b2_Uls_f32 = min
 TS2.15 filtCoef_Uls_T_Str.b2_Uls_f32 = max
 TS2.16 filtCoef_Uls_T_Str.b2_Uls_f32 = mid
 TS2.17 filtCoef_Uls_T_Str.a0_Uls_f32 = min
 TS2.18 filtCoef_Uls_T_Str.a0_Uls_f32 = max
 TS2.19 filtCoef_Uls_T_Str.a0_Uls_f32 = mid
 TS2.20 filtCoef_Uls_T_Str.a1_Uls_f32 = min
 TS2.21 filtCoef_Uls_T_Str.a1_Uls_f32 = max
 TS2.22 filtCoef_Uls_T_Str.a1_Uls_f32 = mid
 TS2.23 filtCoef_Uls_T_Str.a2_Uls_f32 = min
 TS2.24 filtCoef_Uls_T_Str.a2_Uls_f32 = max
 TS2.25 filtCoef_Uls_T_Str.a2_Uls_f32 = mid
 TS2.26 Prev2ScldrvVel_RadpS_M_f32 = min
 TS2.27 Prev2ScldrvVel_RadpS_M_f32 = max
 TS2.28 Prev2ScldrvVel_RadpS_M_f32 = zero
 TS2.29 Prev2ScldrvVel_RadpS_M_f32 = neg
 TS2.30 Prev2ScldrvVel_RadpS_M_f32 = pos
 TS2.31 Prev1ScldrvVel_RadpS_M_f32 = min
 TS2.32 Prev1ScldrvVel_RadpS_M_f32 = max
 TS2.33 Prev1ScldrvVel_RadpS_M_f32 = zero
 TS2.34 Prev1ScldrvVel_RadpS_M_f32 = neg
 TS2.35 Prev1ScldrvVel_RadpS_M_f32 = pos
 TS2.36 Prev1PreAttnComp_MtrNm_M_f32 = min
 TS2.37 Prev1PreAttnComp_MtrNm_M_f32 = max
 TS2.38 Prev1PreAttnComp_MtrNm_M_f32 = zero
 TS2.39 Prev1PreAttnComp_MtrNm_M_f32 = neg
 TS2.40 Prev1PreAttnComp_MtrNm_M_f32 = pos
 TS2.41 Prev2PreAttnComp_MtrNm_M_f32 = min
 TS2.42 Prev2PreAttnComp_MtrNm_M_f32 = max
 TS2.43 Prev2PreAttnComp_MtrNm_M_f32 = zero
 TS2.44 Prev2PreAttnComp_MtrNm_M_f32 = neg
 TS2.45 Prev2PreAttnComp_MtrNm_M_f32 = pos
 TS2.46 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = min
 TS2.47 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = max
 TS2.48 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = mid
 TS2.49 t_FDD_AttenTblY_Uls_u8p8[2] = min
 TS2.50 t_FDD_AttenTblY_Uls_u8p8[2] = max
 TS2.51 t_FDD_AttenTblY_Uls_u8p8[2] = mid

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-8.8		
Prev1ScIDrvVel_RadpS_M_f32	-12917.3		
Prev2PreAttnComp_MtrNm_M_f32	-8.8		
Prev2ScIDrvVel_RadpS_M_f32	-12917.3		
ScaledDriverVel_MtrRadpS_T_f32	-7226.652		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	0		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	0		
t_FDD_AttenTblY_Uls_u8p8[0]	0		
t_FDD_AttenTblY_Uls_u8p8[1]	0		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-2.741562052		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.160083862		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.5525885		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.9996842		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.0504234		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0	0 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	9012.61621	9012.617156 ± 0.009	✓
Prev1ScIDrvVel_RadpS_M_f32	-7226.65186	-7226.652 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.8 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.3 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	8.8		
Prev1SclDrvVel_RadpS_M_f32	12917.3		
Prev2PreAttnComp_MtrNm_M_f32	8.8		
Prev2SclDrvVel_RadpS_M_f32	12917.3		
ScaledDriverVel_MtrRadpS_T_f32	7226.652		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	17600		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	17600		
t_FDD_AttenTblY_Uls_u8p8[0]	256		
t_FDD_AttenTblY_Uls_u8p8[1]	256		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.411114052		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.9498924		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.8417266		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056849		
Name	Actual Value	Expected Value	Result
GenFddIcCmd()	2046.13135	2046.131531 ± 0.009	✓
Prev1PreAttnComp_MtrNm_M_f32	2046.13135	2046.131531 ± 0.009	✓
Prev1SclDrvVel_RadpS_M_f32	7226.65186	7226.652 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.8 ± 0.00048828125	✓
Prev2SclDrvVel_RadpS_M_f32	12917.2998	12917.3 ± 0.00390625	✓

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Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	352		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	400		
t_FDD_AttenTblY_Uls_u8p8[0]	65		
t_FDD_AttenTblY_Uls_u8p8[1]	68		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0332		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.13456		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0005345		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.45675		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.45654		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.757645		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.509668887	0.509668855 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	1.91875339	1.918753337 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	7226.65186	7226.652 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.1 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-4.21000004	-4.21 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	6.6		
Prev1ScIDrvVel_RadpS_M_f32	26.1		
Prev2PreAttnComp_MtrNm_M_f32	8.3		
Prev2ScIDrvVel_RadpS_M_f32	17.03		
ScaledDriverVel_MtrRadpS_T_f32	0		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1088		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1120		
t_FDD_AttenTblY_Uls_u8p8[0]	129		
t_FDD_AttenTblY_Uls_u8p8[1]	131		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.006363		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2574		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00145		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.55765		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.7898		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.8534		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.782138526	0.78213851 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	1.55215085	1.552150842 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	0	0 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	6.5999999	6.6 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	26.1000004	26.1 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-2.2		
Prev1ScIDrvVel_RadpS_M_f32	-16.66		
Prev2PreAttnComp_MtrNm_M_f32	-5.2		
Prev2ScIDrvVel_RadpS_M_f32	-3		
ScaledDriverVel_MtrRadpS_T_f32	10.2		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	512		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	560		
t_FDD_AttenTblY_Uls_u8p8[0]	116		
t_FDD_AttenTblY_Uls_u8p8[1]	118		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02345		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.15457		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.1		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.766645		

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Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.9789		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.3242		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.157648206	0.157648289 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	0.347913265	0.347913465 ± 0.0000009	✓
Prev1ScIDrvVel_RadpS_M_f32	10.1999998	10.2 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.2 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-16.6599998	-16.66 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	3.3		
Prev1ScIDrvVel_RadpS_M_f32	26.45		
Prev2PreAttnComp_MtrNm_M_f32	5.2		
Prev2ScIDrvVel_RadpS_M_f32	17.12		
ScaledDriverVel_MtrRadpS_T_f32	-10.3		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	512		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	560		
t_FDD_AttenTblY_Uls_u8p8[0]	144		
t_FDD_AttenTblY_Uls_u8p8[1]	146		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.03123		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.16878		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.2		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.27867		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.24234		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.67452		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-1.8318522	-1.831852049 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-3.25662613	-3.256625864 ± 0.0000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-10.3000002	-10.3 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	3.29999995	3.3 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	26.4500008	26.45 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-3.3		
Prev1ScIDrvVel_RadpS_M_f32	-4.21		
Prev2PreAttnComp_MtrNm_M_f32	-2.3		
Prev2ScIDrvVel_RadpS_M_f32	-33.32		
ScaledDriverVel_MtrRadpS_T_f32	2562.6		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	656		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	720		
t_FDD_AttenTblY_Uls_u8p8[0]	172		
t_FDD_AttenTblY_Uls_u8p8[1]	174		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-2.741562052		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.175634		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.8		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.16756		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.9789		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.77453		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	470.300568	470.3005767 ± 0.0009	✓
Prev1PreAttnComp_MtrNm_M_f32	691.936462	691.9364807 ± 0.0009	✓
Prev1ScIDrvVel_RadpS_M_f32	2562.6001	2562.6 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995	-3.3 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-4.2100004	-4.21 ± 0.00390625	✓

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GenFddlcCmd



T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	4.4		
Prev1ScIDrvVel_RadpS_M_f32	1234.56		
Prev2PreAttnComp_MtrNm_M_f32	2.3		
Prev2ScIDrvVel_RadpS_M_f32	4678.14		
ScaledDriverVel_MtrRadpS_T_f32	-2.8		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	768		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	800		
t_FDD_AttenTblY_Uls_u8p8[0]	218		
t_FDD_AttenTblY_Uls_u8p8[1]	220		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.184534		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.9		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.92453		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.535		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.452345		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	21.4257507	21.42575176 ± 0.00009	✓
Prev1PreAttnComp_MtrNm_M_f32	25.1605148	25.16051583 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	-2.79999995	-2.8 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	4.4000001	4.4 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	1234.56006	1234.56 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-4.4		
Prev1ScIDrvVel_RadpS_M_f32	-27.55		
Prev2PreAttnComp_MtrNm_M_f32	-1.7		
Prev2ScIDrvVel_RadpS_M_f32	-15		
ScaledDriverVel_MtrRadpS_T_f32	3.5		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	784		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	880		
t_FDD_AttenTblY_Uls_u8p8[0]	63		
t_FDD_AttenTblY_Uls_u8p8[1]	66		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.003467		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.1945645		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.9		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.823423		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.78987		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.6345		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.823069274	-0.82306927 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-3.34453535	-3.344535448 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	3.5	3.5 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-4.4000001	-4.4 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-27.5499992	-27.55 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.11 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	5.5			
Prev1ScIDrvVel_RadpS_M_f32	6789.565			
Prev2PreAttnComp_MtrNm_M_f32	1.7			
Prev2ScIDrvVel_RadpS_M_f32	5322.14			
ScaledDriverVel_MtrRadpS_T_f32	-3.9			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	944			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	960			
t_FDD_AttenTblY_Uls_u8p8[0]	78			
t_FDD_AttenTblY_Uls_u8p8[1]	80			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.004353			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0016456			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.7234			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.64564			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.36567			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	0.0503453612	0.050345373 ± 0.00000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	0.165236056	0.165236095 ± 0.00000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-3.9000001	-3.9 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	5.5	5.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	6789.56494	6789.565 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-5.5			
Prev1ScIDrvVel_RadpS_M_f32	-37.15			
Prev2PreAttnComp_MtrNm_M_f32	-8.3			
Prev2ScIDrvVel_RadpS_M_f32	-42.02			
ScaledDriverVel_MtrRadpS_T_f32	1444.1			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1008			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1040			
t_FDD_AttenTblY_Uls_u8p8[0]	106			
t_FDD_AttenTblY_Uls_u8p8[1]	109			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.005456			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.001767			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.65674			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.4234			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.94645			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.619547307	-0.619547276 ± 0.00000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-1.45508361	-1.45508351 ± 0.00000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	1444.09998	1444.1 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-5.5	-5.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-37.1500015	-37.15 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	6.6			
Prev1ScIDrvVel_RadpS_M_f32	26.1			
Prev2PreAttnComp_MtrNm_M_f32	8.3			
Prev2ScIDrvVel_RadpS_M_f32	17.03			
ScaledDriverVel_MtrRadpS_T_f32	-2234.7			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1088		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1120		
t_FDD_AttenTblY_Uls_u8p8[0]	129		
t_FDD_AttenTblY_Uls_u8p8[1]	131		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.006363		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2574		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00145		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.55765		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.7898		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.8534		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.625984669	0.62598471 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	1.22329831	1.223298365 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-2234.69995	-2234.7 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5999999	6.6 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	26.1000004	26.1 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-6.6		
Prev1ScIDrvVel_RadpS_M_f32	-33.1		
Prev2PreAttnComp_MtrNm_M_f32	-7.5		
Prev2ScIDrvVel_RadpS_M_f32	-22.04		
ScaledDriverVel_MtrRadpS_T_f32	1555.6		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1152		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1200		
t_FDD_AttenTblY_Uls_u8p8[0]	157		
t_FDD_AttenTblY_Uls_u8p8[1]	161		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00745745		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2454		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.160083862		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.44564		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53524		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.254		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-18.191328	-18.1913286 ± 0.00009	✔
Prev1PreAttnComp_MtrNm_M_f32	-28.9253426	-28.92534236 ± 0.00009	✔
Prev1ScIDrvVel_RadpS_M_f32	1555.59998	1555.6 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5999999	-6.6 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-33.0999985	-33.1 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.15 (Repeat Count = 1)

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	7.7
Prev1ScIDrvVel_RadpS_M_f32	18
Prev2PreAttnComp_MtrNm_M_f32	7.5
Prev2ScIDrvVel_RadpS_M_f32	28.01
ScaledDriverVel_MtrRadpS_T_f32	-5.8
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1232
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1280
t_FDD_AttenTblY_Uls_u8p8[0]	183
t_FDD_AttenTblY_Uls_u8p8[1]	185
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00864
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.31545
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.411114052
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.3454

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Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.6353		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.63432		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	1.29496682	1.294967011 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	1.81153834	1.811538551 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-5.80000019	-5.8 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.69999981	7.7 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	18	18 ± 0.00390625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.16 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-7.7		
Prev1ScIDrvVel_RadpS_M_f32	-28.02		
Prev2PreAttnComp_MtrNm_M_f32	-6.5		
Prev2ScIDrvVel_RadpS_M_f32	-27		
ScaledDriverVel_MtrRadpS_T_f32	6.2		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1296		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1360		
t_FDD_AttenTblY_Uls_u8p8[0]	230		
t_FDD_AttenTblY_Uls_u8p8[1]	232		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.009585		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.32554		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.1496		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.234535		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.634453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.35435		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-3.82750082	-3.827500822 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-4.26017475	-4.260174828 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	6.19999981	6.2 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-7.69999981	-7.7 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-28.0200005	-28.02 ± 0.00390625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.5		
Prev1ScIDrvVel_RadpS_M_f32	24.06		
Prev2PreAttnComp_MtrNm_M_f32	6.5		
Prev2ScIDrvVel_RadpS_M_f32	32.56		
ScaledDriverVel_MtrRadpS_T_f32	-6.3		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1344		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1440		
t_FDD_AttenTblY_Uls_u8p8[0]	71		
t_FDD_AttenTblY_Uls_u8p8[1]	74		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00365		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.26745		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00006456		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.5525885		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.4564		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.134534		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.371916622	0.371916637 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	1.34099519	1.340995197 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-6.30000019	-6.3 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.5	1.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	24.0599995	24.06 ± 0.00390625	✔

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GenFddlcCmd



T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.18 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-1.5			
Prev1ScIDrvVel_RadpS_M_f32	-16.05			
Prev2PreAttnComp_MtrNm_M_f32	-4.5			
Prev2ScIDrvVel_RadpS_M_f32	-25.25			
ScaledDriverVel_MtrRadpS_T_f32	7.4			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1520			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1568			
t_FDD_AttenTblY_Uls_u8p8[0]	86			
t_FDD_AttenTblY_Uls_u8p8[1]	88			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.01423			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.27344			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0014534			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.9498924			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.4535			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.34564			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	0.164055958	0.164056011 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	0.488352627	0.488352776 ± 0.0000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	7.4000001	7.4 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-16.0499992	-16.05 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.19 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	2.5			
Prev1ScIDrvVel_RadpS_M_f32	100.04			
Prev2PreAttnComp_MtrNm_M_f32	4.5			
Prev2ScIDrvVel_RadpS_M_f32	97			
ScaledDriverVel_MtrRadpS_T_f32	-7.5			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1552			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1600			
t_FDD_AttenTblY_Uls_u8p8[0]	114			
t_FDD_AttenTblY_Uls_u8p8[1]	116			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02342			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.28546			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000745			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.453723			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.5345			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.94534			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	1.44737673	1.447376757 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	3.25024962	3.25024956 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-7.5	-7.5 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	100.040001	100.04 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-2.5		
Prev1ScIDrvVel_RadpS_M_f32	-69.4		
Prev2PreAttnComp_MtrNm_M_f32	-3.5		
Prev2ScIDrvVel_RadpS_M_f32	-59.65		
ScaledDriverVel_MtrRadpS_T_f32	1500.02		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1616		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1680		
t_FDD_AttenTblY_Uls_u8p8[0]	136		
t_FDD_AttenTblY_Uls_u8p8[1]	139		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.03452		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2956		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00053453		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.6345		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.9996842		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.84563		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.45213747	-2.452137655 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-4.51616669	-4.516167192 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	1500.02002	1500.02 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-69.4000015	-69.4 ± 0.00390625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.21 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-3.5		
Prev1ScIDrvVel_RadpS_M_f32	-49.65		
Prev2PreAttnComp_MtrNm_M_f32	-2.4		
Prev2ScIDrvVel_RadpS_M_f32	-36.5		
ScaledDriverVel_MtrRadpS_T_f32	2500.06		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1728		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1760		
t_FDD_AttenTblY_Uls_u8p8[0]	63		
t_FDD_AttenTblY_Uls_u8p8[1]	66		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.043453		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2945		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00135		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.73453		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.8417266		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.2325		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.778024733	-0.778024749 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-3.01779294	-3.017792967 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	2500.06006	2500.06 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.5	-3.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-49.6500015	-49.65 ± 0.00390625	✔

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.22 (Repeat Count = 1)

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	4.5
Prev1ScIDrvVel_RadpS_M_f32	22.54
Prev2PreAttnComp_MtrNm_M_f32	2.4
Prev2ScIDrvVel_RadpS_M_f32	11
ScaledDriverVel_MtrRadpS_T_f32	-2500.08
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str

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Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1776		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1840		
t_FDD_AttenTblY_Uls_u8p8[0]	189		
t_FDD_AttenTblY_Uls_u8p8[1]	191		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.05342		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.3036		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0004234		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.845555		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.5474		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.342		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	2.5159831	2.515983222 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	3.37220788	3.372207879 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-2500.08008	-2500.08 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	22.5400009	22.54 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-4.5		
Prev1ScIDrvVel_RadpS_M_f32	-48.54		
Prev2PreAttnComp_MtrNm_M_f32	-1.1		
Prev2ScIDrvVel_RadpS_M_f32	-38.54		
ScaledDriverVel_MtrRadpS_T_f32	3500.06		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	160		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1920		
t_FDD_AttenTblY_Uls_u8p8[0]	237		
t_FDD_AttenTblY_Uls_u8p8[1]	239		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.01123		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.30564		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00023453		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.95464		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.345345		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.0504234		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-9.47003937	-9.470039831 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-10.1436405	-10.14364099 ± 0.00009	✔
Prev1ScIDrvVel_RadpS_M_f32	3500.06006	3500.06 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.5	-4.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-48.5400009	-48.54 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.24 (Repeat Count = 1)

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	6.5
Prev1ScIDrvVel_RadpS_M_f32	163.65
Prev2PreAttnComp_MtrNm_M_f32	1.1
Prev2ScIDrvVel_RadpS_M_f32	175
ScaledDriverVel_MtrRadpS_T_f32	-3.02
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	176
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2000
t_FDD_AttenTblY_Uls_u8p8[0]	49
t_FDD_AttenTblY_Uls_u8p8[1]	51
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02123
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.31564
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.1
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.05678

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Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53454		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056849		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	1.37899768	1.378997719 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	7.20455933	7.204559509 ± 0.000009	✔
Prev1SclDrvVel_RadpS_M_f32	-3.01999998	-3.02 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5	6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	163.649994	163.65 ± 0.00390625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.25 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-6.5		
Prev1SclDrvVel_RadpS_M_f32	-90.36		
Prev2PreAttnComp_MtrNm_M_f32	-8.1		
Prev2SclDrvVel_RadpS_M_f32	-120.23		
ScaledDriverVel_MtrRadpS_T_f32	4.1		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	192		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2080		
t_FDD_AttenTblY_Uls_u8p8[0]	65		
t_FDD_AttenTblY_Uls_u8p8[1]	68		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.03234		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.3245		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.3		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.1345		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.84564		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.64584		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.11698532	-2.116985416 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.33766556	-8.337665637 ± 0.000009	✔
Prev1SclDrvVel_RadpS_M_f32	4.0999999	4.1 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5	-6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-90.3600006	-90.36 ± 0.00390625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.26 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	2.5		
Prev1SclDrvVel_RadpS_M_f32	100.04		
Prev2PreAttnComp_MtrNm_M_f32	4.5		
Prev2SclDrvVel_RadpS_M_f32	-12917.3		
ScaledDriverVel_MtrRadpS_T_f32	-7.5		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1552		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1600		
t_FDD_AttenTblY_Uls_u8p8[0]	114		
t_FDD_AttenTblY_Uls_u8p8[1]	116		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02342		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.28546		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000745		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.453723		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.5345		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.94534		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	16.6205254	16.62052631 ± 0.00009	✔
Prev1PreAttnComp_MtrNm_M_f32	37.3232841	37.32328714 ± 0.00009	✔
Prev1SclDrvVel_RadpS_M_f32	-7.5	-7.5 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	100.040001	100.04 ± 0.00390625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.27 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-7.5			
Prev1ScIDrvVel_RadpS_M_f32	250.45			
Prev2PreAttnComp_MtrNm_M_f32	-7.7			
Prev2ScIDrvVel_RadpS_M_f32	12917.3			
ScaledDriverVel_MtrRadpS_T_f32	-39.07			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	224			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2240			
t_FDD_AttenTblY_Uls_u8p8[0]	116			
t_FDD_AttenTblY_Uls_u8p8[1]	118			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.005534			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.25856			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.65			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.3678			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.734			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.245645			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-11.8644609	-11.86446038 ± 0.00009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-26.1836376	-26.18363669 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-39.0699997	-39.07 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-7.5	-7.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	250.449997	250.45 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.28 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	8.5			
Prev1ScIDrvVel_RadpS_M_f32	5000.65			
Prev2PreAttnComp_MtrNm_M_f32	7.7			
Prev2ScIDrvVel_RadpS_M_f32	0			
ScaledDriverVel_MtrRadpS_T_f32	6075.09			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2320			
t_FDD_AttenTblY_Uls_u8p8[0]	144			
t_FDD_AttenTblY_Uls_u8p8[1]	146			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00634			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.259346			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.35			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.4786			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.84764			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.365			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	452.265015	452.2649718 ± 0.0009	✓	
Prev1PreAttnComp_MtrNm_M_f32	793.012634	793.0125532 ± 0.0009	✓	
Prev1ScIDrvVel_RadpS_M_f32	6075.08984	6075.09 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	8.5	8.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	5000.6499	5000.65 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.29 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-8.5			
Prev1ScIDrvVel_RadpS_M_f32	-26.65			
Prev2PreAttnComp_MtrNm_M_f32	-6.6			
Prev2ScIDrvVel_RadpS_M_f32	-10.12			
ScaledDriverVel_MtrRadpS_T_f32	6.02			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	256			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2400			
t_FDD_AttenTblY_Uls_u8p8[0]	172			
t_FDD_AttenTblY_Uls_u8p8[1]	174			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00634			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.268567			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.24			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.5768			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.000456			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.4766			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-5.66504765	-5.665048067 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-8.4316988	-8.431699448 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	6.01999998	6.02 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-8.5	-8.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-26.6499996	-26.65 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.30 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	1.3			
Prev1ScIDrvVel_RadpS_M_f32	18.6			
Prev2PreAttnComp_MtrNm_M_f32	6.6			
Prev2ScIDrvVel_RadpS_M_f32	10.25			
ScaledDriverVel_MtrRadpS_T_f32	-6.06			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	272			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2480			
t_FDD_AttenTblY_Uls_u8p8[0]	218			
t_FDD_AttenTblY_Uls_u8p8[1]	220			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00745			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.27443			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.389			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.65675			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.96456			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.57686			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.33675155	-0.336751733 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-0.395451367	-0.395451576 ± 0.0000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-6.05999994	-6.06 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.3 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	18.6000004	18.6 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.31 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	1.3			
Prev1ScIDrvVel_RadpS_M_f32	-12917.3			
Prev2PreAttnComp_MtrNm_M_f32	-5.5			
Prev2ScIDrvVel_RadpS_M_f32	-900.36			
ScaledDriverVel_MtrRadpS_T_f32	-4.02			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	288		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2560		
t_FDD_AttenTblY_Uls_u8p8[0]	63		
t_FDD_AttenTblY_Uls_u8p8[1]	66		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00845		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.000564		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.78		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.745		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.3453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.6786		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.722379088	0.722378984 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	2.93538165	2.935381268 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-4.01999998	-4.02 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.3 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.3 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.32 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	2.3		
Prev1ScIDrvVel_RadpS_M_f32	12917.3		
Prev2PreAttnComp_MtrNm_M_f32	5.5		
Prev2ScIDrvVel_RadpS_M_f32	-2000.1		
ScaledDriverVel_MtrRadpS_T_f32	-1.05		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	304		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2640		
t_FDD_AttenTblY_Uls_u8p8[0]	78		
t_FDD_AttenTblY_Uls_u8p8[1]	80		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00945		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.000654		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.02		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.8453		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.873453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.15645		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	1.61534405	1.615344 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	5.30164194	5.301641847 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-1.04999995	-1.05 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.29999995	2.3 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	12917.2998	12917.3 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.33 (Repeat Count = 1) ✓

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	-2.3
Prev1ScIDrvVel_RadpS_M_f32	0
Prev2PreAttnComp_MtrNm_M_f32	-4.4
Prev2ScIDrvVel_RadpS_M_f32	3000
ScaledDriverVel_MtrRadpS_T_f32	2.06
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2720
t_FDD_AttenTblY_Uls_u8p8[0]	106
t_FDD_AttenTblY_Uls_u8p8[1]	109
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.01324
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.3056
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.32
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.9454

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.534		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.74564		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.96688271	-2.966882443 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-7.1653018	-7.165300993 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	2.05999994	2.06 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-2.29999995	-2.3 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	0	0 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.34 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	3.4		
Prev1ScIDrvVel_RadpS_M_f32	-2000.02		
Prev2PreAttnComp_MtrNm_M_f32	4.4		
Prev2ScIDrvVel_RadpS_M_f32	-3000.4		
ScaledDriverVel_MtrRadpS_T_f32	-2.05		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1920		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2800		
t_FDD_AttenTblY_Uls_u8p8[0]	129		
t_FDD_AttenTblY_Uls_u8p8[1]	131		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02234		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.004678		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0018576		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.04564		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.3453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.84534		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	6.05533695	6.055336888 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	12.0167923	12.01679258 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	-2.04999995	-2.05 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	3.4000001	3.4 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-2000.02002	-2000.02 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.35 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-3.4		
Prev1ScIDrvVel_RadpS_M_f32	2000.03		
Prev2PreAttnComp_MtrNm_M_f32	-3.3		
Prev2ScIDrvVel_RadpS_M_f32	4000.6		
ScaledDriverVel_MtrRadpS_T_f32	-350.02		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2080		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2880		
t_FDD_AttenTblY_Uls_u8p8[0]	157		
t_FDD_AttenTblY_Uls_u8p8[1]	161		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.03234		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.04784		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.001645		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.14564		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.3453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.9345		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-4.80776691	-4.807766498 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-7.64464808	-7.64464735 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-350.019989	-350.02 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-3.4000001	-3.4 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	2000.03003	2000.03 ± 0.00390625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.36 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-8.8		
Prev1ScDrvVel_RadpS_M_f32	-1000.4		
Prev2PreAttnComp_MtrNm_M_f32	-5.5		
Prev2ScDrvVel_RadpS_M_f32	-7500.6		
ScaledDriverVel_MtrRadpS_T_f32	-3.05		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2960		
t_FDD_AttenTblY_Uls_u8p8[0]	183		
t_FDD_AttenTblY_Uls_u8p8[1]	185		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.044564		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.32555		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.002342		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.2454		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53453		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.3423		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-3.7178309	-3.71783362 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-5.20090008	-5.200903862 ± 0.000009	✔
Prev1ScDrvVel_RadpS_M_f32	-3.04999995	-3.05 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.8 ± 0.00048828125	✔
Prev2ScDrvVel_RadpS_M_f32	-1000.40002	-1000.4 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.37 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	8.8		
Prev1ScIDrvVel_RadpS_M_f32	980.6		
Prev2PreAttnComp_MtrNm_M_f32	-2.2		
Prev2ScIDrvVel_RadpS_M_f32	6500.85		
ScaledDriverVel_MtrRadpS_T_f32	4.05		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2400		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3040		
t_FDD_AttenTblY_Uls_u8p8[0]	230		
t_FDD_AttenTblY_Uls_u8p8[1]	232		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.053534		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330264		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0025235		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.3675		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.4234		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.13453		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	5.50454187	5.5045434 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	6.12679434	6.126796132 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	4.05000019	4.05 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.8 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	980.599976	980.6 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 2.38 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	0			
Prev1ScIDrvVel_RadpS_M_f32	-1000			
Prev2PreAttnComp_MtrNm_M_f32	2.2			
Prev2ScIDrvVel_RadpS_M_f32	-5000.41			
ScaledDriverVel_MtrRadpS_T_f32	-4.8			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2560			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3120			
t_FDD_AttenTblY_Uls_u8p8[0]	71			
t_FDD_AttenTblY_Uls_u8p8[1]	74			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.042342			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.27566			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.001535			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.456			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.84564			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.42342			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-2.99402881	-2.994028926 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-10.7953711	-10.7953719 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-4.8000019	-4.8 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	0	0 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-1000	-1000 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.39 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-5.25			
Prev1ScIDrvVel_RadpS_M_f32	1500.05			
Prev2PreAttnComp_MtrNm_M_f32	-1.1			
Prev2ScIDrvVel_RadpS_M_f32	6000.69			
ScaledDriverVel_MtrRadpS_T_f32	5.9			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2720			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3200			
t_FDD_AttenTblY_Uls_u8p8[0]	86			
t_FDD_AttenTblY_Uls_u8p8[1]	88			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.053453			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.284564			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0012342			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.56575			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.32786			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.2564			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	4.06544733	4.06544767986332 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	12.1017971	12.1017977447094 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	5.9000001	5.9 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-5.25	-5.25 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	1500.05005	1500.05 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.40 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	5.25			
Prev1ScIDrvVel_RadpS_M_f32	2500.06			
Prev2PreAttnComp_MtrNm_M_f32	1.1			
Prev2ScIDrvVel_RadpS_M_f32	9000.45			
ScaledDriverVel_MtrRadpS_T_f32	2557			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2880		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3280		
t_FDD_AttenTblY_Uls_u8p8[0]	114		
t_FDD_AttenTblY_Uls_u8p8[1]	116		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.01324		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2956		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0006345		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.6786		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.3123		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.5564		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	45.0379448	45.0379399696766 ± 0.00009	✓
Prev1PreAttnComp_MtrNm_M_f32	99.3940811	99.3940744158379 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	2557	2557 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	5.25	5.25 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	2500.06006	2500.06 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.41 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	4.6		
Prev1ScIDrvVel_RadpS_M_f32	-1500.06		
Prev2PreAttnComp_MtrNm_M_f32	-8.8		
Prev2ScIDrvVel_RadpS_M_f32	-9000.11		
ScaledDriverVel_MtrRadpS_T_f32	1646.7		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	3040		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3360		
t_FDD_AttenTblY_Uls_u8p8[0]	136		
t_FDD_AttenTblY_Uls_u8p8[1]	139		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0063		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.11345		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000234		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.7765		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.34534		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.73523		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-4.42373562	-4.423735974 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-8.14731121	-8.147312297 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	1646.69995	1646.7 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	4.5999999	4.6 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-1500.06006	-1500.06 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.42 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-4.6		
Prev1ScIDrvVel_RadpS_M_f32	600.07		
Prev2PreAttnComp_MtrNm_M_f32	8.8		
Prev2ScIDrvVel_RadpS_M_f32	9900.65		
ScaledDriverVel_MtrRadpS_T_f32	-6.8		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1920		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3440		
t_FDD_AttenTblY_Uls_u8p8[0]	63		
t_FDD_AttenTblY_Uls_u8p8[1]	66		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00745		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.15645		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.25		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.84564		

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.4342		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.845		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-1.46749699	-1.467496866 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-5.96316242	-5.96316187 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-6.80000019	-6.8 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-4.59999999	-4.6 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	600.070007	600.07 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.43 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	5.7		
Prev1ScIDrvVel_RadpS_M_f32	5000		
Prev2PreAttnComp_MtrNm_M_f32	0		
Prev2ScIDrvVel_RadpS_M_f32	8000.65		
ScaledDriverVel_MtrRadpS_T_f32	2412.05		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2080		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3520		
t_FDD_AttenTblY_Uls_u8p8[0]	189		
t_FDD_AttenTblY_Uls_u8p8[1]	191		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.02342		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.001234		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00024378		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.94564		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.84564		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.93453		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-14.621316	-14.62131553 ± 0.00009	✓
Prev1PreAttnComp_MtrNm_M_f32	-19.5971565	-19.59715589 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	2412.05005	2412.05 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	5.69999981	5.7 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	5000	5000 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.44 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-5.7		
Prev1ScIDrvVel_RadpS_M_f32	-9000.015		
Prev2PreAttnComp_MtrNm_M_f32	-5.25		
Prev2ScIDrvVel_RadpS_M_f32	-6000.12		
ScaledDriverVel_MtrRadpS_T_f32	-23.02		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3600		
t_FDD_AttenTblY_Uls_u8p8[0]	237		
t_FDD_AttenTblY_Uls_u8p8[1]	239		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.03234		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0156		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.36		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.0674		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.458349		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.143		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	3.19451404	3.19451007405634 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	3.45061421	3.45061003779925 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-23.0200005	-23.02 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-5.69999981	-5.7 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-9000.01465	-9000.015 ± 0.00390625	✓

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GenFddlcCmd



T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.45 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	6.8		
Prev1ScDrvVel_RadpS_M_f32	600.09		
Prev2PreAttnComp_MtrNm_M_f32	5.25		
Prev2ScDrvVel_RadpS_M_f32	9000.62		
ScaledDriverVel_MtrRadpS_T_f32	34.06		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2400		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3680		
t_FDD_AttenTblY_Uls_u8p8[0]	230		
t_FDD_AttenTblY_Uls_u8p8[1]	232		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00645		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.16777		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.54		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.14564		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.864935		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.74564		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	9.78774643	9.78774586664643 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	10.894187	10.8941867037456 ± 0.00009	✔
Prev1ScDrvVel_RadpS_M_f32	34.0600014	34.06 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.80000019	6.8 ± 0.00048828125	✔
Prev2ScDrvVel_RadpS_M_f32	600.090027	600.09 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.46 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.5		
Prev1ScIDrvVel_RadpS_M_f32	-400.05		
Prev2PreAttnComp_MtrNm_M_f32	6.8		
Prev2ScIDrvVel_RadpS_M_f32	-7235.12		
ScaledDriverVel_MtrRadpS_T_f32	45.06		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	0		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	0		
t_FDD_AttenTblY_Uls_u8p8[0]	71		
t_FDD_AttenTblY_Uls_u8p8[1]	74		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.005534		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.27344		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000534		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.3678		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.24234		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.54523		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.39375806	-2.393758233 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.28110886	-8.281109564 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	45.0600014	45.06 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.5	1.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-400.049988	-400.05 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.47 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-1.5			
Prev1ScIDrvVel_RadpS_M_f32	289.65			
Prev2PreAttnComp_MtrNm_M_f32	-5.2			
Prev2ScIDrvVel_RadpS_M_f32	8563.3			
ScaledDriverVel_MtrRadpS_T_f32	-4.05			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	17600			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	17600			
t_FDD_AttenTblY_Uls_u8p8[0]	86			
t_FDD_AttenTblY_Uls_u8p8[1]	88			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00634			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.28546			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.14			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.4786			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.9789			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.757645			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	1.24506903	1.245069116 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	3.7062521	3.706252252 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-4.05000019	-4.05 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	289.649994	289.65 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.48 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	2.5			
Prev1ScIDrvVel_RadpS_M_f32	-150			
Prev2PreAttnComp_MtrNm_M_f32	5.2			
Prev2ScIDrvVel_RadpS_M_f32	-9358.2			
ScaledDriverVel_MtrRadpS_T_f32	5266.06			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1005			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	9383			
t_FDD_AttenTblY_Uls_u8p8[0]	114			
t_FDD_AttenTblY_Uls_u8p8[1]	116			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00634			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2956			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.26			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.5768			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.535			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.4563			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	74.4717255	74.47172728 ± 0.00009	✓	
Prev1PreAttnComp_MtrNm_M_f32	164.351395	164.3513981 ± 0.0009	✓	
Prev1ScIDrvVel_RadpS_M_f32	5266.06006	5266.06 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-150	-150 ± 0.00390625	✓	

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.49 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-2.5			
Prev1ScIDrvVel_RadpS_M_f32	-2341.03			
Prev2PreAttnComp_MtrNm_M_f32	-2.3			
Prev2ScIDrvVel_RadpS_M_f32	9782.2			
ScaledDriverVel_MtrRadpS_T_f32	4585.02			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1616		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3680		
t_FDD_AttenTblY_Uls_u8p8[0]	0		
t_FDD_AttenTblY_Uls_u8p8[1]	0		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00745		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.2945		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.38		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.65675		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.78987		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.3242		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0	0 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	132.005234	132.0052327 ± 0.0009	✔
Prev1ScIDrvVel_RadpS_M_f32	4585.02002	4585.02 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-2341.03003	-2341.03 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.50 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-3.5		
Prev1ScIDrvVel_RadpS_M_f32	500.012		
Prev2PreAttnComp_MtrNm_M_f32	2.3		
Prev2ScIDrvVel_RadpS_M_f32	12000		
ScaledDriverVel_MtrRadpS_T_f32	3.02		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1632		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3696		
t_FDD_AttenTblY_Uls_u8p8[0]	256		
t_FDD_AttenTblY_Uls_u8p8[1]	256		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00845		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.3036		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.5		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.745		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.64564		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.67452		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	4.95908308	4.959080803 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	4.95908308	4.959080803 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	3.01999998	3.02 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.5	-3.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	500.011993	500.012 ± 0.00390625	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.51 (Repeat Count = 1) ✓

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	4.5
Prev1ScIDrvVel_RadpS_M_f32	385.032
Prev2PreAttnComp_MtrNm_M_f32	-1.7
Prev2ScIDrvVel_RadpS_M_f32	-10712.32
ScaledDriverVel_MtrRadpS_T_f32	-7.02
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1648
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3712
t_FDD_AttenTblY_Uls_u8p8[0]	63
t_FDD_AttenTblY_Uls_u8p8[1]	66
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00945
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.30564
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.62
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.8453

TEST DETAILS REPORT

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.4234		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.77453		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	8.95816231	8.958162049 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	36.4014206	36.40142039 ± 0.00009	✓
Prev1SclDrvVel_RadpS_M_f32	-7.01999998	-7.02 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✓
Prev2SclDrvVel_RadpS_M_f32	385.032013	385.032 ± 0.00390625	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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FilterCoefCalc



Project	FDD_Inertia
Module	FDD_Inertia
Test Object	FilterCoefCalc

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

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FilterCoefCalc

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\CBD_FrqDepDmpnInrtCmp\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)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester: Spoorti Mali Code File(s) Under Test: Ap_FrqDepDmpnInrtCmp.c Code File(s) Version: 13 Module Design Document: Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version: 18 Data Dictionary Version: 16 Unit Test Plan Version: 6 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 1.30 Total FLASH Used (Bytes): 1994 Total RAM Used (Bytes): 60 Total CALS Used (Bytes): 328 Special Test Requirements: Test Date: 09-19-2014 Comments:</p> <p>Note1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

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_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1

TEST DETAILS REPORT

FilterCoefCalc

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

TEST DETAILS REPORT

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FilterCoefCalc



Test Case 1: Boundary Test

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

CPU Cycles:

TS1.1 1239.00 Cycles
TS1.2 1283.00 Cycles
TS1.3 1285.00 Cycles
TS1.4 1274.00 Cycles
TS1.5 1274.00 Cycles
TS1.6 1251.00 Cycles
TS1.7 1285.00 Cycles
TS1.8 1274.00 Cycles
TS1.9 1239.00 Cycles
TS1.10 1250.00 Cycles
TS1.11 1663.00 Cycles
TS1.12 1272.00 Cycles
TS1.13 1239.00 Cycles
TS1.14 1652.00 Cycles
TS1.15 1272.00 Cycles
TS1.16 1274.00 Cycles
TS1.17 1274.00 Cycles
TS1.18 1274.00 Cycles
TS1.19 1274.00 Cycles
TS1.20 1274.00 Cycles
TS1.21 1285.00 Cycles
TS1.22 1274.00 Cycles
TS1.23 1362.00 Cycles
TS1.24 1274.00 Cycles
TS1.25 1285.00 Cycles
TS1.26 1285.00 Cycles
TS1.27 1285.00 Cycles
TS1.28 1285.00 Cycles
TS1.29 1274.00 Cycles
TS1.30 1274.00 Cycles
TS1.31 1342.00 Cycles
TS1.32 1274.00 Cycles

Description Test Vector Description

TS1.1 All min
TS1.2 All max
TS1.3 ADDCoef_MtrNmSpRad_T_f32 min
TS1.4 ADDCoef_MtrNmSpRad_T_f32 max
TS1.5 ADDCoef_MtrNmSpRad_T_f32 pos
TS1.6 VehicleSpeed2_Kph_T_f32 min
TS1.7 VehicleSpeed2_Kph_T_f32 max
TS1.8 VehicleSpeed2_Kph_T_f32 pos
TS1.9 WIRCmdAmpBlnd1_MtrNm_T_f32 min
TS1.10 WIRCmdAmpBlnd1_MtrNm_T_f32 max
TS1.11 WIRCmdAmpBlnd1_MtrNm_T_f32 pos
TS1.12 t_CmnVehSpd_Kph_u9p7[12] min
TS1.13 t_CmnVehSpd_Kph_u9p7[12] max
TS1.14 t_CmnVehSpd_Kph_u9p7[12] pos
TS1.15 t2_FDD_FreqTbIYM1_Hz_u12p4[12] min
TS1.16 t2_FDD_FreqTbIYM1_Hz_u12p4[12] max
TS1.17 t2_FDD_FreqTbIYM1_Hz_u12p4[12] pos
TS1.18 t2_FDD_FreqTbIYM2_Hz_u12p4[12] min
TS1.19 t2_FDD_FreqTbIYM2_Hz_u12p4[12] max
TS1.20 t2_FDD_FreqTbIYM2_Hz_u12p4[12] pos
TS1.21 t_WIRBlndTbIX_MtrNm_u8p8[5] min
TS1.22 t_WIRBlndTbIX_MtrNm_u8p8[5] max
TS1.23 t_WIRBlndTbIX_MtrNm_u8p8[5] pos
TS1.24 t_DmpFiltKpWIRBlndY_Uls_u2p14[5] min
TS1.25 t_DmpFiltKpWIRBlndY_Uls_u2p14[5] max
TS1.26 t_DmpFiltKpWIRBlndY_Uls_u2p14[5] pos
TS1.27 t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[12] min
TS1.28 t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[12] max
TS1.29 t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[12] pos
TS1.30 k_InrtCmp_MtrInertia_KgmSq_f32 min
TS1.31 k_InrtCmp_MtrInertia_KgmSq_f32 max
TS1.32 k_InrtCmp_MtrInertia_KgmSq_f32 pos

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0
VehicleSpeed_Kph_T_f32	0
WIRCmdAmpBlnd_MtrNm_T_f32	0
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	0.00001
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	16

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FilterCoefCalc

Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	16		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	0		
t_WIRBlndTbIX_MtrNm_u8p8[0]	0		
t_WIRBlndTbIX_MtrNm_u8p8[1]	0		
t_WIRBlndTbIX_MtrNm_u8p8[2]	0		
t_WIRBlndTbIX_MtrNm_u8p8[3]	0		
t_WIRBlndTbIX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.94989252	3.949892431 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99968433	-7.999684173 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.05042315	4.050423396 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.2 (Repeat Count = 1)		✓
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.041306	
VehicleSpeed_Kph_T_f32	511.9921875	
WIRCmdAmpBlnd_MtrNm_T_f32	8.8	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.0005	
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1600	
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1600	
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1600	
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1600	

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FilterCoefCalc

Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1600		
t_CmnVehSpd_Kph_u9p7[0]	32640		
t_CmnVehSpd_Kph_u9p7[1]	32640		
t_CmnVehSpd_Kph_u9p7[2]	32640		
t_CmnVehSpd_Kph_u9p7[3]	32640		
t_CmnVehSpd_Kph_u9p7[4]	32640		
t_CmnVehSpd_Kph_u9p7[5]	32640		
t_CmnVehSpd_Kph_u9p7[6]	32640		
t_CmnVehSpd_Kph_u9p7[7]	32640		
t_CmnVehSpd_Kph_u9p7[8]	32640		
t_CmnVehSpd_Kph_u9p7[9]	32640		
t_CmnVehSpd_Kph_u9p7[10]	32640		
t_CmnVehSpd_Kph_u9p7[11]	32640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	16384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	384		
t_WIRBlndTbIX_MtrNm_u8p8[0]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[1]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[2]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[3]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-2.74156237	-2.741562052 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448002	0.330448 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.41111422	2.411114052 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.552588403	0.552588458 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.8417263	-4.841726592 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056852	10.60568495 ± 0.00009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

Test Step 1.3 (Repeat Count = 1)	
Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0
VehicleSpeed_Kph_T_f32	100.02

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Name	Input Value		
WIRCmdAmpBlnd_MtrNm_T_f32	2.5		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32	0.00002		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	154		
t_WIRBlndTbIX_MtrNm_u8p8[0]	282		
t_WIRBlndTbIX_MtrNm_u8p8[1]	307		
t_WIRBlndTbIX_MtrNm_u8p8[2]	333		
t_WIRBlndTbIX_MtrNm_u8p8[3]	358		
t_WIRBlndTbIX_MtrNm_u8p8[4]	384		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00059381465	-0.000593815 ± 0.0000000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00059381465	0.000593815 ± 0.0000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.39635515	3.39635548 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.95065212	-7.950651978 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.65299273	4.652992542 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

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Test Step 1.4 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.041306		
VehicleSpeed_Kph_T_f32		200.06		
WIRCmdAmpBlnd_MtrNm_T_f32		1.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00003		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		224		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		166		
t_WIRBlndTbIX_MtrNm_u8p8[0]		538		
t_WIRBlndTbIX_MtrNm_u8p8[1]		563		
t_WIRBlndTbIX_MtrNm_u8p8[2]		589		
t_WIRBlndTbIX_MtrNm_u8p8[3]		614		
t_WIRBlndTbIX_MtrNm_u8p8[4]		640		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.170364141	-0.170364138 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.330448002	0.330448 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.16008386	-0.160083862 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.36400986	3.364009947 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.94497013	-7.944970142 ± 0.0000009	✓

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Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.69101954	4.691019911 ± 0.000009	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.5 (Repeat Count = 1)		✓
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.02	
VehicleSpeed_Kph_T_f32	300.08	
WIRCmdAmpBlnd_MtrNm_T_f32	0.5	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.00004	
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	48	
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	64	
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	80	
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	96	
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	112	
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	128	
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	144	
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	160	
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	176	
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	192	
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	208	
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	224	
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64	
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80	
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96	
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112	
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128	
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144	
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160	
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176	
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192	
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208	
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224	
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240	
t_CmnVehSpd_Kph_u9p7[0]	6784	
t_CmnVehSpd_Kph_u9p7[1]	6912	
t_CmnVehSpd_Kph_u9p7[2]	7040	
t_CmnVehSpd_Kph_u9p7[3]	7168	
t_CmnVehSpd_Kph_u9p7[4]	7296	
t_CmnVehSpd_Kph_u9p7[5]	7424	
t_CmnVehSpd_Kph_u9p7[6]	7552	
t_CmnVehSpd_Kph_u9p7[7]	7680	
t_CmnVehSpd_Kph_u9p7[8]	7808	
t_CmnVehSpd_Kph_u9p7[9]	7936	
t_CmnVehSpd_Kph_u9p7[10]	8064	
t_CmnVehSpd_Kph_u9p7[11]	8192	
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915	
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554	
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192	
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830	
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	38	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	51	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	64	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	77	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	90	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	102	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	115	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	128	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	141	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	154	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	166	
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	179	
t_WIRBlndTbIX_MtrNm_u8p8[0]	794	
t_WIRBlndTbIX_MtrNm_u8p8[1]	819	
t_WIRBlndTbIX_MtrNm_u8p8[2]	845	
t_WIRBlndTbIX_MtrNm_u8p8[3]	870	

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Name	Input Value		
t_WIRBlndTblX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0846711174	-0.084671116 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.1599999996	0.16 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.0753288791	-0.075328884 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.31349587	3.313495926 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.9354167	-7.935416577 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.75108767	4.751087497 ± 0.000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

Test Step 1.6 (Repeat Count = 1)	
Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0.001
VehicleSpeed_Kph_T_f32	0
WIRCmdAmpBlnd_MtrNm_T_f32	6.5
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	0.00005
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	13107
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	51
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	64
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	77
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	90
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	102
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	115
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	128
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	141
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	154

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FilterCoefCalc

Name	Input Value
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192
t_WIRBlndTblX_MtrNm_u8p8[0]	1050
t_WIRBlndTblX_MtrNm_u8p8[1]	1075
t_WIRBlndTblX_MtrNm_u8p8[2]	1101
t_WIRBlndTblX_MtrNm_u8p8[3]	1126
t_WIRBlndTblX_MtrNm_u8p8[4]	1152

Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00400001789	-0.004000018 ± 0.000000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.00800000038	0.008 ± 0.000000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.00399998249	-0.003999982 ± 0.000000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.76236439	3.76236461 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99272346	-7.992723375 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.24491215	4.244912015 ± 0.000009	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.7 (Repeat Count = 1)		✓
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.002	
VehicleSpeed_Kph_T_f32	511.9921875	
WIRCmdAmpBlnd_MtrNm_T_f32	5.5	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.00006	
t2_FDD_FreqTblYM_Hz_u12p4[0][0]	80	
t2_FDD_FreqTblYM_Hz_u12p4[0][1]	96	
t2_FDD_FreqTblYM_Hz_u12p4[0][2]	112	
t2_FDD_FreqTblYM_Hz_u12p4[0][3]	128	
t2_FDD_FreqTblYM_Hz_u12p4[0][4]	144	
t2_FDD_FreqTblYM_Hz_u12p4[0][5]	160	
t2_FDD_FreqTblYM_Hz_u12p4[0][6]	176	
t2_FDD_FreqTblYM_Hz_u12p4[0][7]	192	
t2_FDD_FreqTblYM_Hz_u12p4[0][8]	208	
t2_FDD_FreqTblYM_Hz_u12p4[0][9]	224	
t2_FDD_FreqTblYM_Hz_u12p4[0][10]	240	
t2_FDD_FreqTblYM_Hz_u12p4[0][11]	256	
t2_FDD_FreqTblYM_Hz_u12p4[1][0]	96	
t2_FDD_FreqTblYM_Hz_u12p4[1][1]	112	
t2_FDD_FreqTblYM_Hz_u12p4[1][2]	128	
t2_FDD_FreqTblYM_Hz_u12p4[1][3]	144	
t2_FDD_FreqTblYM_Hz_u12p4[1][4]	160	
t2_FDD_FreqTblYM_Hz_u12p4[1][5]	176	
t2_FDD_FreqTblYM_Hz_u12p4[1][6]	192	
t2_FDD_FreqTblYM_Hz_u12p4[1][7]	208	
t2_FDD_FreqTblYM_Hz_u12p4[1][8]	224	
t2_FDD_FreqTblYM_Hz_u12p4[1][9]	240	
t2_FDD_FreqTblYM_Hz_u12p4[1][10]	256	
t2_FDD_FreqTblYM_Hz_u12p4[1][11]	272	
t_CmnVehSpd_Kph_u9p7[0]	2560	
t_CmnVehSpd_Kph_u9p7[1]	3840	
t_CmnVehSpd_Kph_u9p7[2]	5120	
t_CmnVehSpd_Kph_u9p7[3]	6400	
t_CmnVehSpd_Kph_u9p7[4]	7680	
t_CmnVehSpd_Kph_u9p7[5]	8960	
t_CmnVehSpd_Kph_u9p7[6]	10240	
t_CmnVehSpd_Kph_u9p7[7]	11520	
t_CmnVehSpd_Kph_u9p7[8]	12800	
t_CmnVehSpd_Kph_u9p7[9]	14080	
t_CmnVehSpd_Kph_u9p7[10]	15360	
t_CmnVehSpd_Kph_u9p7[11]	16640	
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	8192	
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	9830	
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	11469	
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	13107	
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	14746	
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	64	
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	77	

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Name	Input Value
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	90
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	102
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	115
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	128
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	141
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	154
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	166
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	179
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	192
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	205
t_WIRBlndTblX_MtrNm_u8p8[0]	1306
t_WIRBlndTblX_MtrNm_u8p8[1]	1331
t_WIRBlndTblX_MtrNm_u8p8[2]	1357
t_WIRBlndTblX_MtrNm_u8p8[3]	1382
t_WIRBlndTblX_MtrNm_u8p8[4]	1408

Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0128454715	-0.012845471 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0160000008	0.016 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.00315452972	-0.003154529 ± 0.000000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.1956141	3.195613973 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.90979624	-7.909796293 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.89459038	4.894589734 ± 0.000009	✓

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

Test Step 1.8 (Repeat Count = 1)	
Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0.003
VehicleSpeed_Kph_T_f32	255.25
WIRCmdAmpBlnd_MtrNm_T_f32	3.6
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	0.00007
t2_FDD_FreqTblYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTblYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTblYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTblYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTblYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTblYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTblYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTblYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTblYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTblYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTblYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTblYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTblYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTblYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTblYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTblYM_Hz_u12p4[1][3]	384
t2_FDD_FreqTblYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTblYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTblYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTblYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTblYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTblYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTblYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTblYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208

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Name	Input Value		
t_DmpFiltKpWIRBndY_Uls_u2p14[0]	1638		
t_DmpFiltKpWIRBndY_Uls_u2p14[1]	3277		
t_DmpFiltKpWIRBndY_Uls_u2p14[2]	4915		
t_DmpFiltKpWIRBndY_Uls_u2p14[3]	6554		
t_DmpFiltKpWIRBndY_Uls_u2p14[4]	8192		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[11]	294		
t_WIRBndTblyX_MtrNm_u8p8[0]	1562		
t_WIRBndTblyX_MtrNm_u8p8[1]	1587		
t_WIRBndTblyX_MtrNm_u8p8[2]	1613		
t_WIRBndTblyX_MtrNm_u8p8[3]	1638		
t_WIRBndTblyX_MtrNm_u8p8[4]	1664		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.022498928	-0.0224989261685139 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0240000002	0.024 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.00150107313	-0.00150107383148608 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.12415075	3.12415079635252 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.89191246	-7.89191237196188 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.98393726	4.98393683168561 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.9 (Repeat Count = 1)		✔
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.004	
VehicleSpeed_Kph_T_f32	16.25	
WIRCmdAmpBlnd_MtrNm_T_f32	0	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.00008	
t2_FDD_FreqTblyM_Hz_u12p4[0][0]	336	
t2_FDD_FreqTblyM_Hz_u12p4[0][1]	352	
t2_FDD_FreqTblyM_Hz_u12p4[0][2]	368	
t2_FDD_FreqTblyM_Hz_u12p4[0][3]	384	
t2_FDD_FreqTblyM_Hz_u12p4[0][4]	400	
t2_FDD_FreqTblyM_Hz_u12p4[0][5]	416	
t2_FDD_FreqTblyM_Hz_u12p4[0][6]	432	
t2_FDD_FreqTblyM_Hz_u12p4[0][7]	448	
t2_FDD_FreqTblyM_Hz_u12p4[0][8]	464	
t2_FDD_FreqTblyM_Hz_u12p4[0][9]	480	
t2_FDD_FreqTblyM_Hz_u12p4[0][10]	496	
t2_FDD_FreqTblyM_Hz_u12p4[0][11]	512	
t2_FDD_FreqTblyM_Hz_u12p4[1][0]	656	
t2_FDD_FreqTblyM_Hz_u12p4[1][1]	672	
t2_FDD_FreqTblyM_Hz_u12p4[1][2]	688	
t2_FDD_FreqTblyM_Hz_u12p4[1][3]	704	
t2_FDD_FreqTblyM_Hz_u12p4[1][4]	720	
t2_FDD_FreqTblyM_Hz_u12p4[1][5]	736	
t2_FDD_FreqTblyM_Hz_u12p4[1][6]	752	
t2_FDD_FreqTblyM_Hz_u12p4[1][7]	768	
t2_FDD_FreqTblyM_Hz_u12p4[1][8]	784	
t2_FDD_FreqTblyM_Hz_u12p4[1][9]	800	
t2_FDD_FreqTblyM_Hz_u12p4[1][10]	816	
t2_FDD_FreqTblyM_Hz_u12p4[1][11]	832	
t_CmnVehSpd_Kph_u9p7[0]	15488	
t_CmnVehSpd_Kph_u9p7[1]	15616	
t_CmnVehSpd_Kph_u9p7[2]	15744	
t_CmnVehSpd_Kph_u9p7[3]	15872	
t_CmnVehSpd_Kph_u9p7[4]	16000	

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Name	Input Value		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_WIRBlndTblX_MtrNm_u8p8[0]	1766		
t_WIRBlndTblX_MtrNm_u8p8[1]	1792		
t_WIRBlndTblX_MtrNm_u8p8[2]	1818		
t_WIRBlndTblX_MtrNm_u8p8[3]	1843		
t_WIRBlndTblX_MtrNm_u8p8[4]	1869		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0280437507	-0.028043747 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0320000015	0.032 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.00395625085	-0.003956253 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.84204841	2.842048638 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.8026042	-7.802604057 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.35534716	5.355347305 ± 0.000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

Test Step 1.10 (Repeat Count = 1)	
Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0.005
VehicleSpeed_Kph_T_f32	32.28
WIRCmdAmpBlnd_MtrNm_T_f32	8.8
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	0.00009
t2_FDD_FreqTblYM_Hz_u12p4[0][0]	656
t2_FDD_FreqTblYM_Hz_u12p4[0][1]	672
t2_FDD_FreqTblYM_Hz_u12p4[0][2]	688
t2_FDD_FreqTblYM_Hz_u12p4[0][3]	704
t2_FDD_FreqTblYM_Hz_u12p4[0][4]	720
t2_FDD_FreqTblYM_Hz_u12p4[0][5]	736
t2_FDD_FreqTblYM_Hz_u12p4[0][6]	752
t2_FDD_FreqTblYM_Hz_u12p4[0][7]	768
t2_FDD_FreqTblYM_Hz_u12p4[0][8]	784
t2_FDD_FreqTblYM_Hz_u12p4[0][9]	800
t2_FDD_FreqTblYM_Hz_u12p4[0][10]	816
t2_FDD_FreqTblYM_Hz_u12p4[0][11]	832
t2_FDD_FreqTblYM_Hz_u12p4[1][0]	1296
t2_FDD_FreqTblYM_Hz_u12p4[1][1]	1312
t2_FDD_FreqTblYM_Hz_u12p4[1][2]	1328
t2_FDD_FreqTblYM_Hz_u12p4[1][3]	1344
t2_FDD_FreqTblYM_Hz_u12p4[1][4]	1360
t2_FDD_FreqTblYM_Hz_u12p4[1][5]	1376
t2_FDD_FreqTblYM_Hz_u12p4[1][6]	1392
t2_FDD_FreqTblYM_Hz_u12p4[1][7]	1408
t2_FDD_FreqTblYM_Hz_u12p4[1][8]	1424
t2_FDD_FreqTblYM_Hz_u12p4[1][9]	1440

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Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1456		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1472		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	282		
t_WIRBlndTbIX_MtrNm_u8p8[0]	410		
t_WIRBlndTbIX_MtrNm_u8p8[1]	435		
t_WIRBlndTbIX_MtrNm_u8p8[2]	461		
t_WIRBlndTbIX_MtrNm_u8p8[3]	486		
t_WIRBlndTbIX_MtrNm_u8p8[4]	512		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0954187065	-0.095418708 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0399999991	0.04 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0554187112	0.055418708 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.28349459	1.283494792 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.49632454	-6.496324749 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.22018147	8.220180459 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.11 (Repeat Count = 1)		
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.006	
VehicleSpeed_Kph_T_f32	48.52	
WIRCmdAmpBlnd_MtrNm_T_f32	5.6	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.0001	
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1296	
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1312	
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1328	
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1344	
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1360	
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1376	
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1392	
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1408	
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1424	
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1440	
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1456	
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1472	
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1136	
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1152	
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1168	

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FilterCoefCalc

Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1184		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1200		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1216		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1232		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1248		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1264		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1280		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1296		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1312		
t_CmnVehSpd_Kph_u9p7[0]	5248		
t_CmnVehSpd_Kph_u9p7[1]	5376		
t_CmnVehSpd_Kph_u9p7[2]	5504		
t_CmnVehSpd_Kph_u9p7[3]	5632		
t_CmnVehSpd_Kph_u9p7[4]	5760		
t_CmnVehSpd_Kph_u9p7[5]	5888		
t_CmnVehSpd_Kph_u9p7[6]	6016		
t_CmnVehSpd_Kph_u9p7[7]	6144		
t_CmnVehSpd_Kph_u9p7[8]	6272		
t_CmnVehSpd_Kph_u9p7[9]	6400		
t_CmnVehSpd_Kph_u9p7[10]	6528		
t_CmnVehSpd_Kph_u9p7[11]	6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	307		
t_WIRBlndTbIX_MtrNm_u8p8[0]	666		
t_WIRBlndTbIX_MtrNm_u8p8[1]	691		
t_WIRBlndTbIX_MtrNm_u8p8[2]	717		
t_WIRBlndTbIX_MtrNm_u8p8[3]	742		
t_WIRBlndTbIX_MtrNm_u8p8[4]	768		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.246170521	-0.246170482 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0480000004	0.048 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.198170513	0.198170482 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.976945579	0.976945693 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.9533534	-5.953353668 ± 0.0000009	✔
tqt_filtCoef_Uls_T_Str.a2_Uls_f32	9.06970024	9.06970064 ± 0.0000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.12 (Repeat Count = 1)		
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.007	
VehicleSpeed_Kph_T_f32	64.95	
WIRCmdAmpBlnd_MtrNm_T_f32	1.1	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.00011	
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136	
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152	
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168	
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184	
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200	
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216	
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232	
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248	

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FilterCoefCalc

Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	288		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	304		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	320		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	352		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	346		
t_WIRBlndTbIX_MtrNm_u8p8[0]	922		
t_WIRBlndTbIX_MtrNm_u8p8[1]	947		
t_WIRBlndTbIX_MtrNm_u8p8[2]	973		
t_WIRBlndTbIX_MtrNm_u8p8[3]	998		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1024		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.170547396	-0.170547388 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0560000017	0.056 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.114547402	0.114547388 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.81319332	1.813193477 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.14600277	-7.14600287 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.04080439	7.040803652 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓	

Test Step 1.13 (Repeat Count = 1)		✔
Name	Input Value	
ADDCoef_MtrNmSpRad_T_f32	0.008	
VehicleSpeed_Kph_T_f32	80.35	
WIRCmdAmpBlnd_MtrNm_T_f32	1.2	
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str	
k_InrtCmp_MtrInertia_KgmSq_f32	0.00012	
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	176	

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Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	272		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	288		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	304		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	320		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	528		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	544		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	560		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	576		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	592		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	608		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	624		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	640		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	672		
t_CmnVehSpd_Kph_u9p7[0]	32640		
t_CmnVehSpd_Kph_u9p7[1]	32640		
t_CmnVehSpd_Kph_u9p7[2]	32640		
t_CmnVehSpd_Kph_u9p7[3]	32640		
t_CmnVehSpd_Kph_u9p7[4]	32640		
t_CmnVehSpd_Kph_u9p7[5]	32640		
t_CmnVehSpd_Kph_u9p7[6]	32640		
t_CmnVehSpd_Kph_u9p7[7]	32640		
t_CmnVehSpd_Kph_u9p7[8]	32640		
t_CmnVehSpd_Kph_u9p7[9]	32640		
t_CmnVehSpd_Kph_u9p7[10]	32640		
t_CmnVehSpd_Kph_u9p7[11]	32640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	346		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	358		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0392927453	-0.039292744 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0640000003	0.064 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.0247072577	-0.024707256 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.37325883	3.373258677 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.94662905	-7.946629189 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.68011236	4.680112134 ± 0.000009	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
InplVarXY_u16_u16Xu16Y_Cnt	4	InplVarXY_u16_u16Xu16Y_Cnt	4	✓	

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FilterCoefCalc



Test Step 1.14 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.009		
VehicleSpeed_Kph_T_f32		96.62		
WIRCmdAmpBlnd_MtrNm_T_f32		1.3		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00013		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		240		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		13		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		154		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1536		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0544182248	-0.054418228 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0719999969	0.072 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0175817721	-0.017581772 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.50426316	2.504263453 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.6513648	-7.651364918 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.84437227	5.844371629 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
ADDCoef_MtrNmSpRad_T_f32	0.01		
VehicleSpeed_Kph_T_f32	112.41		
WIRCmdAmpBlnd_MtrNm_T_f32	1.4		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32	0.00014		
t2_FDD_FreqTblYM_Hz_u12p4[0][0]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][1]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][2]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][3]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][4]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][5]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][6]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][7]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][8]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][9]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][10]	16		
t2_FDD_FreqTblYM_Hz_u12p4[0][11]	16		
t2_FDD_FreqTblYM_Hz_u12p4[1][0]	80		
t2_FDD_FreqTblYM_Hz_u12p4[1][1]	96		
t2_FDD_FreqTblYM_Hz_u12p4[1][2]	112		
t2_FDD_FreqTblYM_Hz_u12p4[1][3]	128		
t2_FDD_FreqTblYM_Hz_u12p4[1][4]	144		
t2_FDD_FreqTblYM_Hz_u12p4[1][5]	160		
t2_FDD_FreqTblYM_Hz_u12p4[1][6]	176		
t2_FDD_FreqTblYM_Hz_u12p4[1][7]	192		
t2_FDD_FreqTblYM_Hz_u12p4[1][8]	208		
t2_FDD_FreqTblYM_Hz_u12p4[1][9]	224		
t2_FDD_FreqTblYM_Hz_u12p4[1][10]	240		
t2_FDD_FreqTblYM_Hz_u12p4[1][11]	256		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0412790775	-0.04127908 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0799999982	0.08 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.0387209207	-0.03872092 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.72832537	3.728325621 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99044704	-7.990446859 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.28122759	4.28122752 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc






T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.16 (Repeat Count = 1)				
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.011		
VehicleSpeed_Kph_T_f32		128.56		
WIRCmdAmpBlnd_MtrNm_T_f32		1.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00015		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		1600		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		240		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		256		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		272		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		179		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1894		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1920		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1946		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1971		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1997		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.199160993	-0.199160956 ± 0.0000009	
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0879999995	0.088 ± 0.00000009	
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.111160994	0.111160956 ± 0.0000009	

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc

Test Step 1.17 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.012		
VehicleSpeed_Kph_T_f32		144.52		
WIRCmdAmpBlnd_MtrNm_T_f32		1.6		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00016		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		832		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		848		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		864		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		880		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		896		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		912		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		928		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		944		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		960		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		976		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		992		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		192		
t_WIRBlndTbIX_MtrNm_u8p8[0]		794		
t_WIRBlndTbIX_MtrNm_u8p8[1]		819		
t_WIRBlndTbIX_MtrNm_u8p8[2]		845		
t_WIRBlndTbIX_MtrNm_u8p8[3]		870		
t_WIRBlndTbIX_MtrNm_u8p8[4]		896		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.17973122	-0.179731222 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0960000008	0.096 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0837312266	0.083731222 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64792883	1.647929015 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97387695	-6.97387697 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37819529	7.378194015 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.18 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.013		
VehicleSpeed_Kph_T_f32		160.63		
WIRCmdAmpBlnd_MtrNm_T_f32		1.7		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.0003		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		16		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		205		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1050		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1075		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1101		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1126		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1152		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0631598011	-0.063159799 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.104000002	0.104 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0408402011	-0.040840201 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.47085524	3.47085539 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.96247482	-7.962474705 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.56666946	4.566669905 ± 0.000009	✓

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc

Test Step 1.19 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.014		
VehicleSpeed_Kph_T_f32		176.85		
WIRCmdAmpBlnd_MtrNm_T_f32		1.8		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00031		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1600		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		294		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1306		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1331		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1357		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1382		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1408		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.173795044	-0.173795005 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.112000003	0.112 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0617950335	0.061795005 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.61782336	2.617823645 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.70810461	-7.708104611 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.67407131	5.674071744 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.20 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.015		
VehicleSpeed_Kph_T_f32		192.52		
WIRCmdAmpBlnd_MtrNm_T_f32		1.9		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00032		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		320		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1562		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1587		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1613		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1638		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1664		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.155867472	-0.155867459 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.119999997	0.12 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0358674712	0.035867459 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.82515574	2.825155925 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.79624844	-7.796248275 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.37859583	5.3785958 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.21 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.016		
VehicleSpeed_Kph_T_f32		208.12		
WIRCmdAmpBlnd_MtrNm_T_f32		2.2		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00033		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		192		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		282		
t_WIRBlndTbIX_MtrNm_u8p8[0]		0		
t_WIRBlndTbIX_MtrNm_u8p8[1]		0		
t_WIRBlndTbIX_MtrNm_u8p8[2]		0		
t_WIRBlndTbIX_MtrNm_u8p8[3]		0		
t_WIRBlndTbIX_MtrNm_u8p8[4]		0		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0883268192	-0.088326814 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.128000006	0.128 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0396731868	-0.039673186 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.39172339	3.3917236 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.94985914	-7.94985896 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.65841722	4.65841744 ± 0.000009	✓

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.22 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.017		
VehicleSpeed_Kph_T_f32		224.01		
WIRCmdAmpBlnd_MtrNm_T_f32		2.1		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00034		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		208		
t_CmnVehSpd_Kph_u9p7[0]		15488		
t_CmnVehSpd_Kph_u9p7[1]		15616		
t_CmnVehSpd_Kph_u9p7[2]		15744		
t_CmnVehSpd_Kph_u9p7[3]		15872		
t_CmnVehSpd_Kph_u9p7[4]		16000		
t_CmnVehSpd_Kph_u9p7[5]		16128		
t_CmnVehSpd_Kph_u9p7[6]		16256		
t_CmnVehSpd_Kph_u9p7[7]		16384		
t_CmnVehSpd_Kph_u9p7[8]		16512		
t_CmnVehSpd_Kph_u9p7[9]		16640		
t_CmnVehSpd_Kph_u9p7[10]		16768		
t_CmnVehSpd_Kph_u9p7[11]		16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		307		
t_WIRBlndTbIX_MtrNm_u8p8[0]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[1]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[2]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[3]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[4]		2048		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.10374245	-0.103742449 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.136000007	0.136 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0322575532	-0.032257551 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.30435205	3.304351854 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.93359709	-7.933597302 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.76205063	4.762050845 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.23 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.018		
VehicleSpeed_Kph_T_f32		240.02		
WIRCmdAmpBlnd_MtrNm_T_f32		3.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00035		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		224		
t_CmnVehSpd_Kph_u9p7[0]		10368		
t_CmnVehSpd_Kph_u9p7[1]		10496		
t_CmnVehSpd_Kph_u9p7[2]		10624		
t_CmnVehSpd_Kph_u9p7[3]		10752		
t_CmnVehSpd_Kph_u9p7[4]		10880		
t_CmnVehSpd_Kph_u9p7[5]		11008		
t_CmnVehSpd_Kph_u9p7[6]		11136		
t_CmnVehSpd_Kph_u9p7[7]		11264		
t_CmnVehSpd_Kph_u9p7[8]		11392		
t_CmnVehSpd_Kph_u9p7[9]		11520		
t_CmnVehSpd_Kph_u9p7[10]		11648		
t_CmnVehSpd_Kph_u9p7[11]		11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		346		
t_WIRBlndTbIX_MtrNm_u8p8[0]		256		
t_WIRBlndTbIX_MtrNm_u8p8[1]		512		
t_WIRBlndTbIX_MtrNm_u8p8[2]		768		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1024		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1280		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.120654218	-0.120654218 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.143999994	0.144 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0233457759	-0.023345782 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.25202346	3.25202347 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.922647	-7.92264714 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.82532883	4.82532939 ± 0.000009	✓

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc

Test Step 1.24 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.019		
VehicleSpeed_Kph_T_f32		256.05		
WIRCmdAmpBlnd_MtrNm_T_f32		4.3		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00036		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		368		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		384		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		400		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		416		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		432		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		448		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		464		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		480		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		240		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		346		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		358		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1792		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1818		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1843		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1869		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.266277403	-0.266277387 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.151999995	0.152 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.114277415	0.114277387 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.55320787	2.55320816 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.67659283	-7.676592803 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.7701993	5.770199037 ± 0.000009	✓

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.25 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.02		
VehicleSpeed_Kph_T_f32		272.06		
WIRCmdAmpBlnd_MtrNm_T_f32		5.1		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00037		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		832		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		256		
t_CmnVehSpd_Kph_u9p7[0]		3968		
t_CmnVehSpd_Kph_u9p7[1]		4096		
t_CmnVehSpd_Kph_u9p7[2]		4224		
t_CmnVehSpd_Kph_u9p7[3]		4352		
t_CmnVehSpd_Kph_u9p7[4]		4480		
t_CmnVehSpd_Kph_u9p7[5]		4608		
t_CmnVehSpd_Kph_u9p7[6]		4736		
t_CmnVehSpd_Kph_u9p7[7]		4864		
t_CmnVehSpd_Kph_u9p7[8]		4992		
t_CmnVehSpd_Kph_u9p7[9]		5120		
t_CmnVehSpd_Kph_u9p7[10]		5248		
t_CmnVehSpd_Kph_u9p7[11]		5376		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		16384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		13		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		154		
t_WIRBlndTbIX_MtrNm_u8p8[0]		410		
t_WIRBlndTbIX_MtrNm_u8p8[1]		435		
t_WIRBlndTbIX_MtrNm_u8p8[2]		461		
t_WIRBlndTbIX_MtrNm_u8p8[3]		486		
t_WIRBlndTbIX_MtrNm_u8p8[4]		512		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0996317267	-0.099631729 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.159999996	0.16 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0603682697	-0.060368271 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.23617816	3.23617818 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.91914797	-7.919148201 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.84467363	4.844673619 ± 0.000009	✓

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.26 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.021		
VehicleSpeed_Kph_T_f32		288.08		
WIRCmdAmpBlnd_MtrNm_T_f32		6.4		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00038		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1328		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1344		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1360		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1376		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1472		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		272		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		166		
t_WIRBlndTbIX_MtrNm_u8p8[0]		666		
t_WIRBlndTbIX_MtrNm_u8p8[1]		691		
t_WIRBlndTbIX_MtrNm_u8p8[2]		717		
t_WIRBlndTbIX_MtrNm_u8p8[3]		742		
t_WIRBlndTbIX_MtrNm_u8p8[4]		768		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.211607069	-0.211607064 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.167999998	0.168 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0436070785	0.043607064 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.26093268	2.260932845 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.50725317	-7.507253234 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.23181343	6.231813921 ± 0.0000009	✔

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc



Test Step 1.27 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.022		
VehicleSpeed_Kph_T_f32		304.09		
WIRCmdAmpBlnd_MtrNm_T_f32		7.1		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00039		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1136		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1152		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1168		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1184		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1200		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1216		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1232		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1248		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1264		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1280		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		368		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		384		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		400		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		416		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		432		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		448		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		464		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		480		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		512		
t_CmnVehSpd_Kph_u9p7[0]		15488		
t_CmnVehSpd_Kph_u9p7[1]		15616		
t_CmnVehSpd_Kph_u9p7[2]		15744		
t_CmnVehSpd_Kph_u9p7[3]		15872		
t_CmnVehSpd_Kph_u9p7[4]		16000		
t_CmnVehSpd_Kph_u9p7[5]		16128		
t_CmnVehSpd_Kph_u9p7[6]		16256		
t_CmnVehSpd_Kph_u9p7[7]		16384		
t_CmnVehSpd_Kph_u9p7[8]		16512		
t_CmnVehSpd_Kph_u9p7[9]		16640		
t_CmnVehSpd_Kph_u9p7[10]		16768		
t_CmnVehSpd_Kph_u9p7[11]		16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		0		
t_WIRBlndTbIX_MtrNm_u8p8[0]		922		
t_WIRBlndTbIX_MtrNm_u8p8[1]		947		
t_WIRBlndTbIX_MtrNm_u8p8[2]		973		
t_WIRBlndTbIX_MtrNm_u8p8[3]		998		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1024		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0564835407	-0.056483543 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.175999999	0.176 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.119516462	-0.119516457 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64792883	1.647929015 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97387695	-6.97387697 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37819529	7.378194015 ± 0.000009	✔

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.28 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.023		
VehicleSpeed_Kph_T_f32		320.07		
WIRCmdAmpBlnd_MtrNm_T_f32		8.2		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.0004		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		10368		
t_CmnVehSpd_Kph_u9p7[1]		10496		
t_CmnVehSpd_Kph_u9p7[2]		10624		
t_CmnVehSpd_Kph_u9p7[3]		10752		
t_CmnVehSpd_Kph_u9p7[4]		10880		
t_CmnVehSpd_Kph_u9p7[5]		11008		
t_CmnVehSpd_Kph_u9p7[6]		11136		
t_CmnVehSpd_Kph_u9p7[7]		11264		
t_CmnVehSpd_Kph_u9p7[8]		11392		
t_CmnVehSpd_Kph_u9p7[9]		11520		
t_CmnVehSpd_Kph_u9p7[10]		11648		
t_CmnVehSpd_Kph_u9p7[11]		11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		384		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1280		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.44143194	-0.44143189 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.184	0.184 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.257431924	0.25743189 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.24206972	2.242070137 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.49469471	-7.49469476 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.26323557	6.263235103 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.29 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.024		
VehicleSpeed_Kph_T_f32		336.06		
WIRCmdAmpBlnd_MtrNm_T_f32		4.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00041		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1328		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1344		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1360		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1376		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1472		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		307		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1536		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.64859736	-0.648597291 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.192000002	0.192 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.456597328	0.456597291 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64794874	1.647948707 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97389889	-6.973898945 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37815237	7.378152348 ± 0.0000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.30 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.025		
VehicleSpeed_Kph_T_f32		352.05		
WIRCmdAmpBlnd_MtrNm_T_f32		4.9		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00001		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		832		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		848		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		864		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		880		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		896		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		912		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		928		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		944		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		960		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		976		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		992		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1136		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1152		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1168		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1184		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1200		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1216		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1232		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1248		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1264		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1280		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1312		
t_CmnVehSpd_Kph_u9p7[0]		3968		
t_CmnVehSpd_Kph_u9p7[1]		4096		
t_CmnVehSpd_Kph_u9p7[2]		4224		
t_CmnVehSpd_Kph_u9p7[3]		4352		
t_CmnVehSpd_Kph_u9p7[4]		4480		
t_CmnVehSpd_Kph_u9p7[5]		4608		
t_CmnVehSpd_Kph_u9p7[6]		4736		
t_CmnVehSpd_Kph_u9p7[7]		4864		
t_CmnVehSpd_Kph_u9p7[8]		4992		
t_CmnVehSpd_Kph_u9p7[9]		5120		
t_CmnVehSpd_Kph_u9p7[10]		5248		
t_CmnVehSpd_Kph_u9p7[11]		5376		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		179		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1690		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1715		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1741		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1792		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.12834549	-0.128345472 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.200000003	0.2 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0716545135	-0.071654528 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.25517929	1.255179464 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.45242405	-6.45242444 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.29239559	8.292396096 ± 0.000009	✓

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

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FilterCoefCalc

Test Step 1.31 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.026		
VehicleSpeed_Kph_T_f32		368.01		
WIRCmdAmpBlnd_MtrNm_T_f32		7.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.0005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1472		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1488		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1504		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1520		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1536		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1552		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1568		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		352		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		192		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1894		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1920		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1946		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1971		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1997		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.44634214	-0.446342077 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.208000004	0.208 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.238342136	0.238342077 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.7996192	1.7996192 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.13275242	-7.132752506 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.06762838	7.067628294 ± 0.000009	✓

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.32 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.027		
VehicleSpeed_Kph_T_f32		384.02		
WIRCmdAmpBlnd_MtrNm_T_f32		2.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00003		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		672		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		320		
t_WIRBlndTbIX_MtrNm_u8p8[0]		794		
t_WIRBlndTbIX_MtrNm_u8p8[1]		819		
t_WIRBlndTbIX_MtrNm_u8p8[2]		845		
t_WIRBlndTbIX_MtrNm_u8p8[3]		870		
t_WIRBlndTbIX_MtrNm_u8p8[4]		896		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.1716436	-0.171643583 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.216000006	0.216 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0443564057	-0.044356417 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.16740918	2.167409451 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.44288063	-7.442880571 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.38971043	6.389709978 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



T					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4		✓