Report Generated by Test Manager

Title: TCF_TrqTube MIL Test Report
Author:
Date: 19-Dec-2021 09:58:31

Test Environment

Platform: PCWIN64
MATLAB: (R2020a)

Summary

Name	Outcome	Duration (Seconds)
TrqTube	✓	2.678
EI09_SWUT_MIL_TrqTube_01	✓	2.677

TrqTube

Test Result Information

Result Type: Test Suite Result
Parent: None
Start Time: 2021-12-18 19:25:39
End Time: 2021-12-18 19:25:42
Outcome: Total: 1, Passed: 1

Test Suite Information

Name: TrqTube

Aggregated Coverage Results

Analyzed Model	Sim Mode	Complexity	Execution
SWC_TCF/SWC_TCF_1ms_sys/TrqBlendProc/TrqTube	Normal	1	100%

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EI09_SWUT_MIL_TrqTube_01

Test Result Information

Result Type: Test Case Result
Parent: TrqTube
Start Time: 2021-12-18 19:25:39
End Time: 2021-12-18 19:25:42
Outcome: Passed

Test Case Information

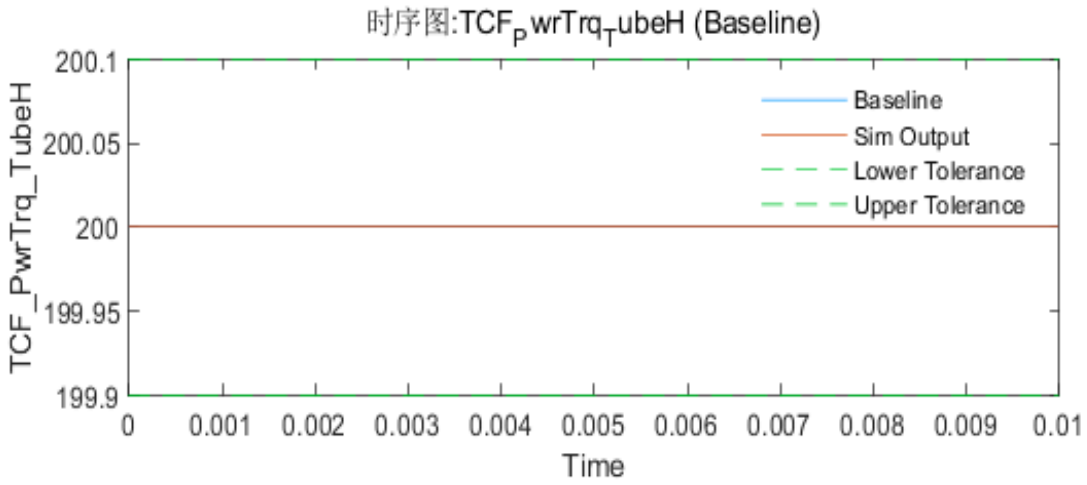
Name: EI09_SWUT_MIL_TrqTube_01
Type: Baseline Test
Baseline Name: EI09_SWUT_MIL_TrqTube_01
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx

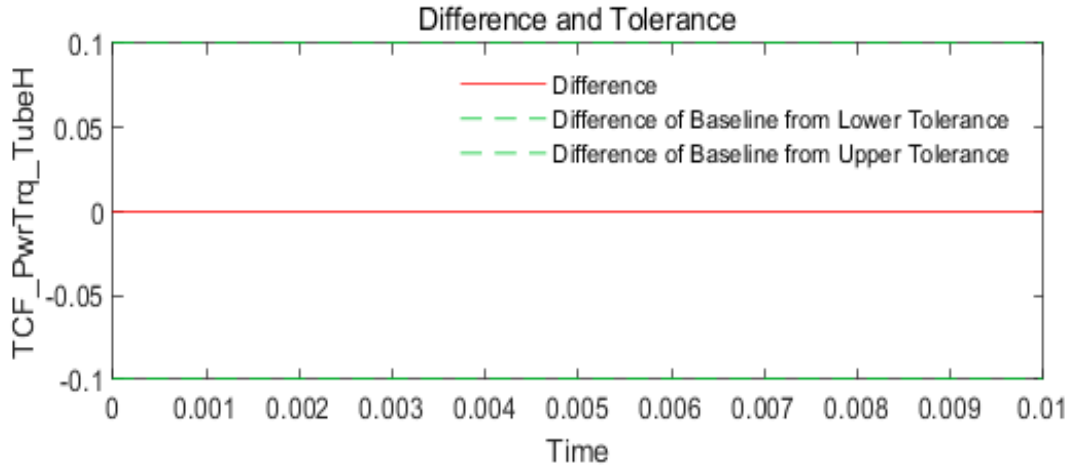
Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
TCF_PwrTrq_TubeH	0.1	0	0	0	0	single			single			zoh	union	Link

TCF_PwrTrq_TubeL	0.1	0	0	0	0	single			single			zoh	union	Link
TCF_CurrAgTrq_TubeH	0.1	0	0	0	0	single			single			zoh	union	Link
TCF_CurrAgTrq_TubeL	0.1	0	0	0	0	single			single			zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
TCF_PwrTrq_TubeH	0.1	0	0	0	0	single			single			zoh	union





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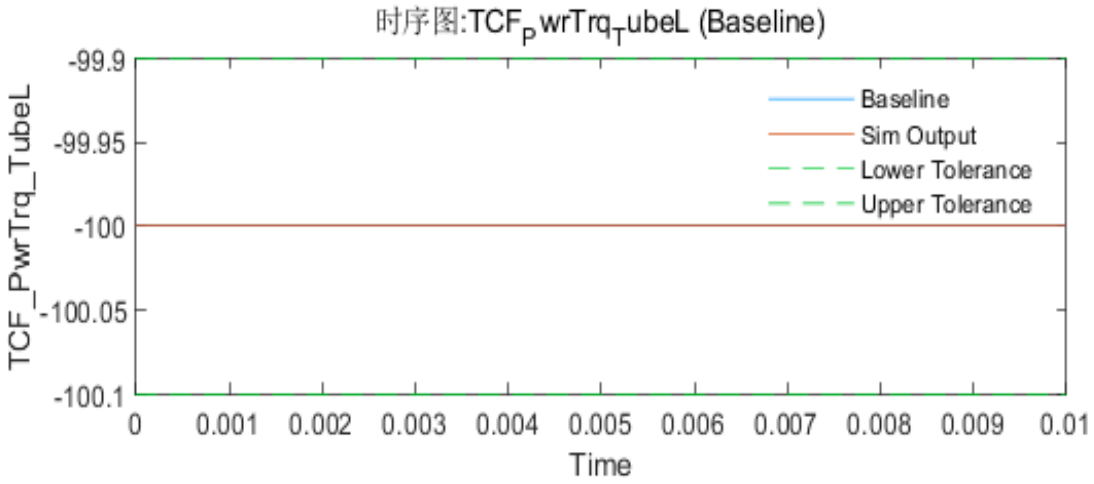
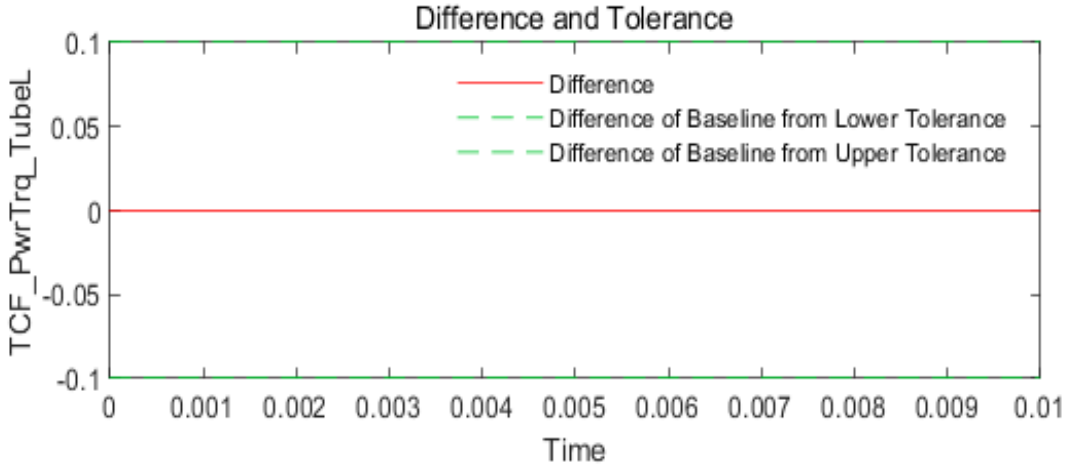
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
TCF_PwrTrq_TubeL	0.1	0	0	0	0	single			single			zoh	union





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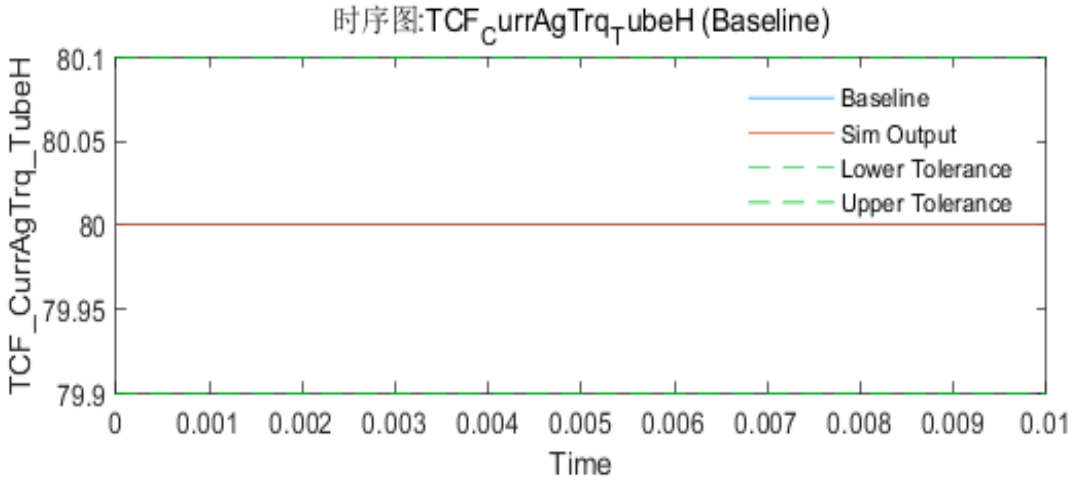
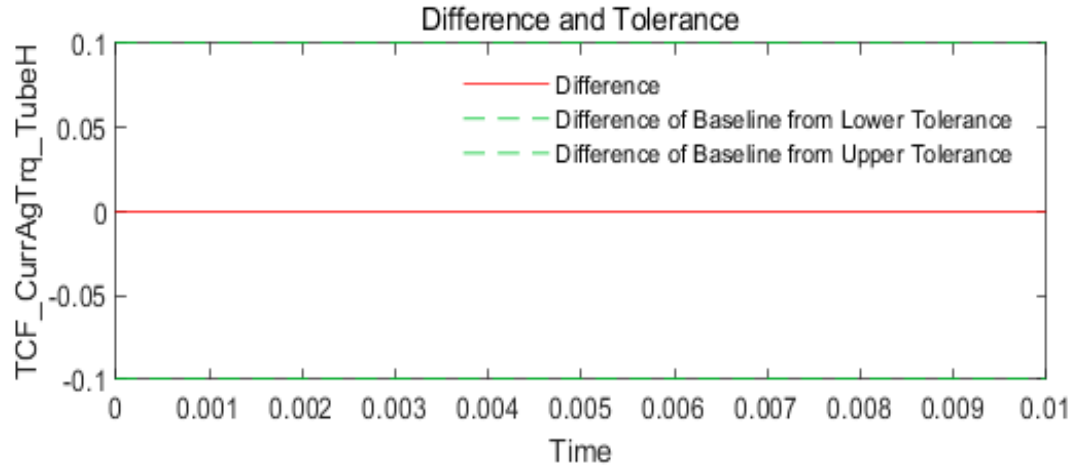
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
TCF_CurrAgTrq_TubeH	0.1	0	0	0	0	single			single			zoh	union





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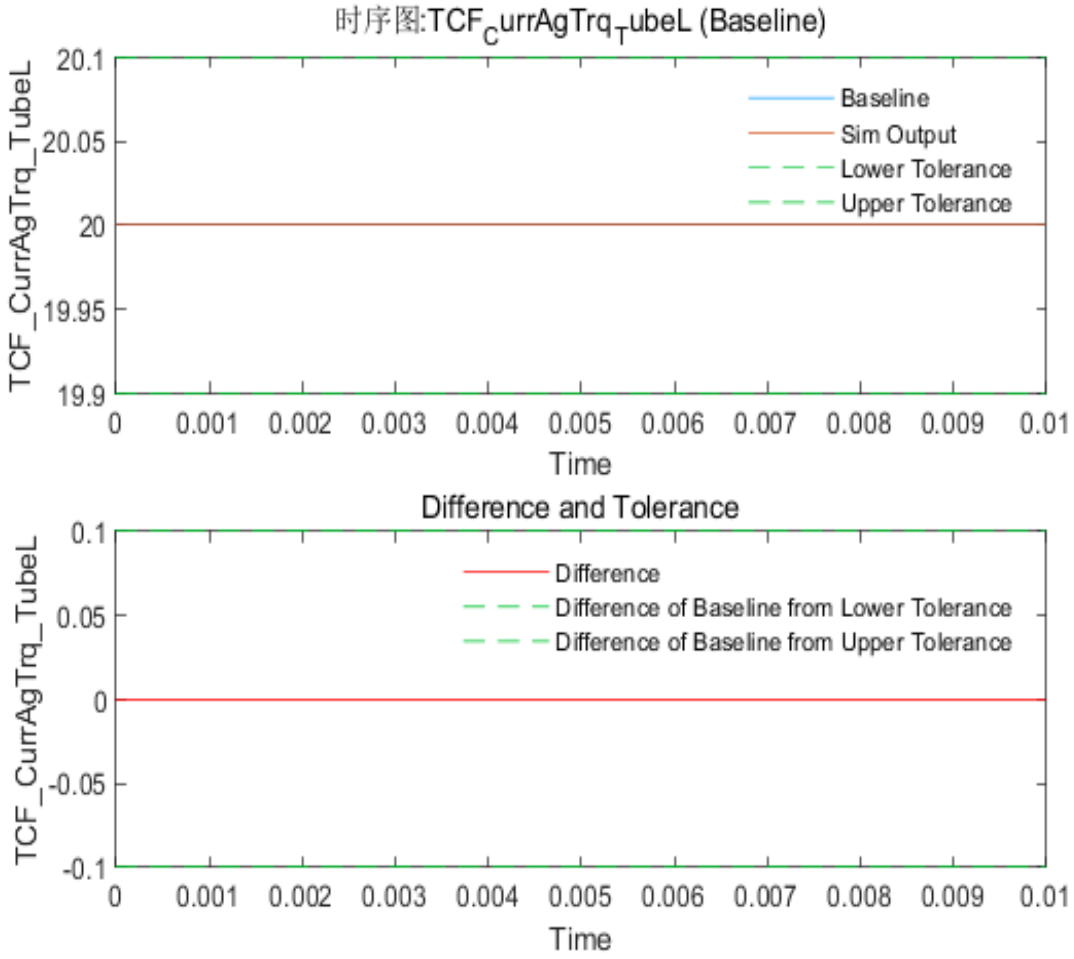
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
TCF_CurrAgTrq_TubeL	0.1	0	0	0	0	single			single			zoh	union



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EI09_SWUT_MIL_TrqTube_01

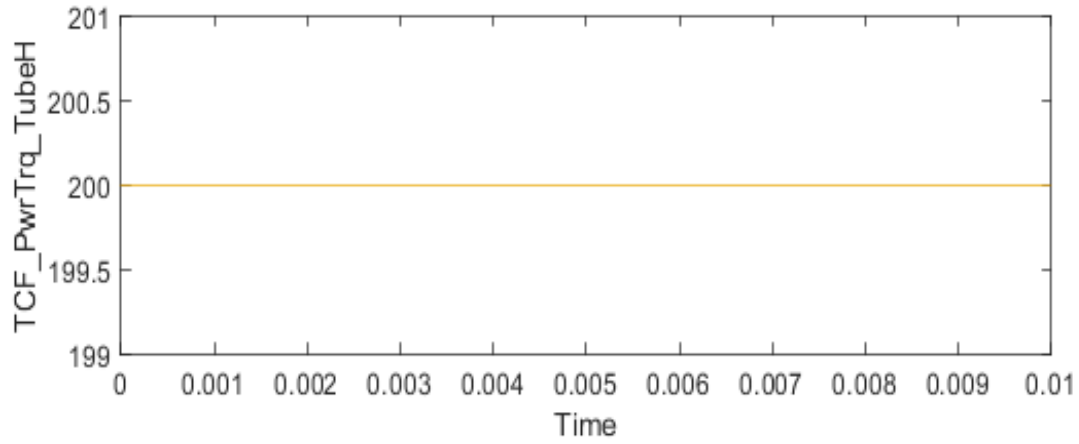
Baseline Information

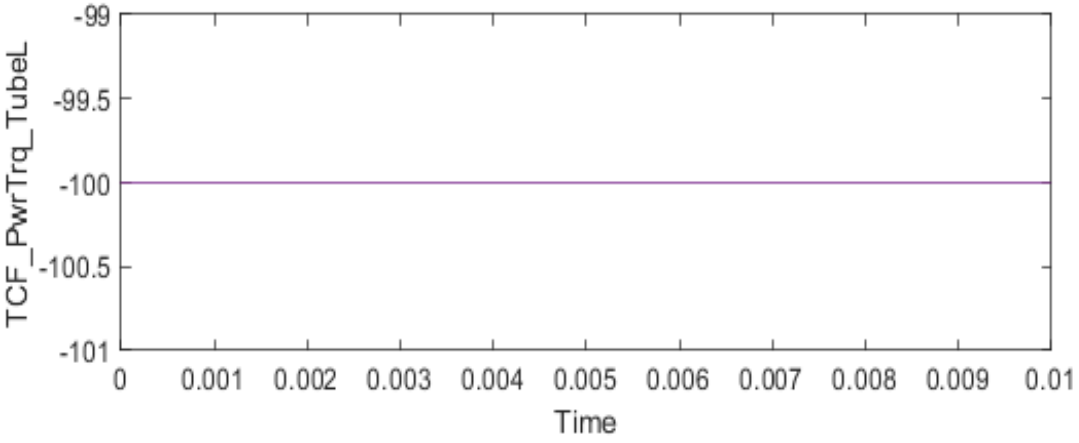
Baseline Name: EI09_SWUT_MIL_TrqTube_01
Baseline File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_PwrTrq_TubeH	single			zoh	union	Link

TCF_PwrTrq_TubeL	single			zoh	union	Link
TCF_CurrAgTrq_TubeH	single			zoh	union	Link
TCF_CurrAgTrq_TubeL	single			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq_TubeH	single			zoh	union
TCF_PwrTrq_TubeL	single			zoh	union





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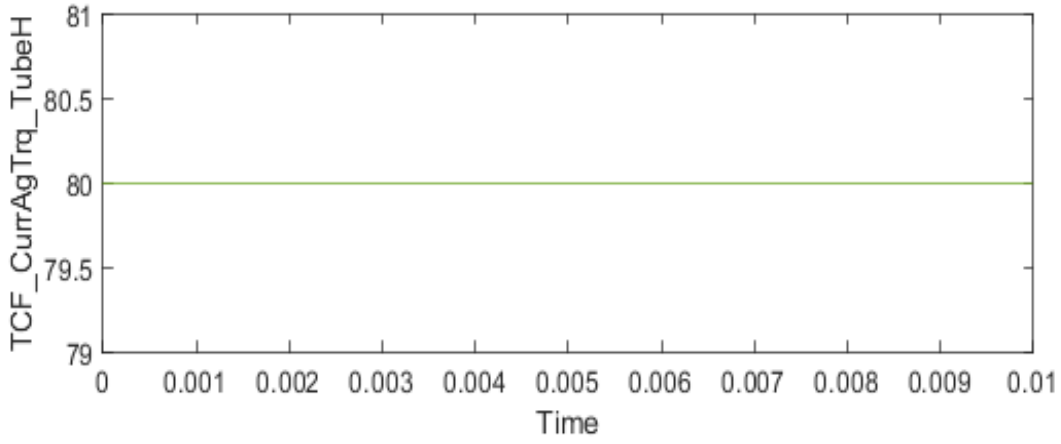
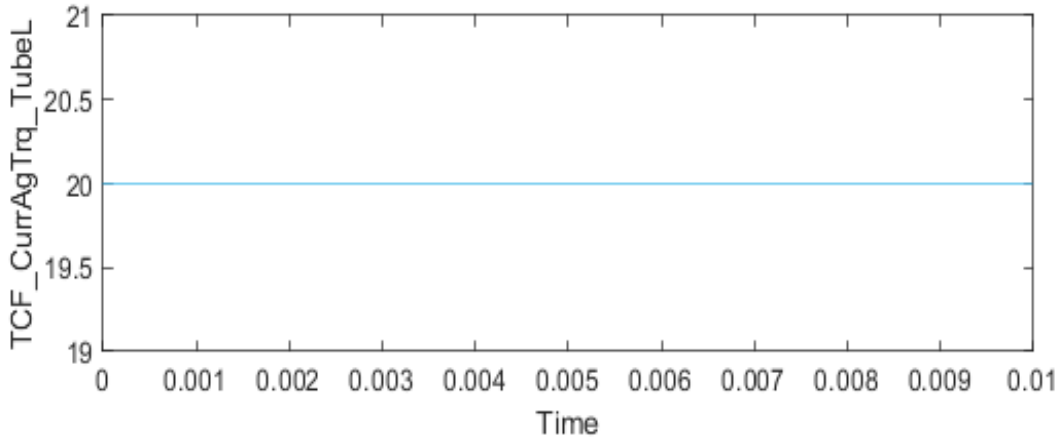
Name	Data Type	Units	Sample Time	Interp	Sync
TCF_CurrAgTrq_TubeH	single			zoh	union
TCF_CurrAgTrq_TubeL	single			zoh	union





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Input Data

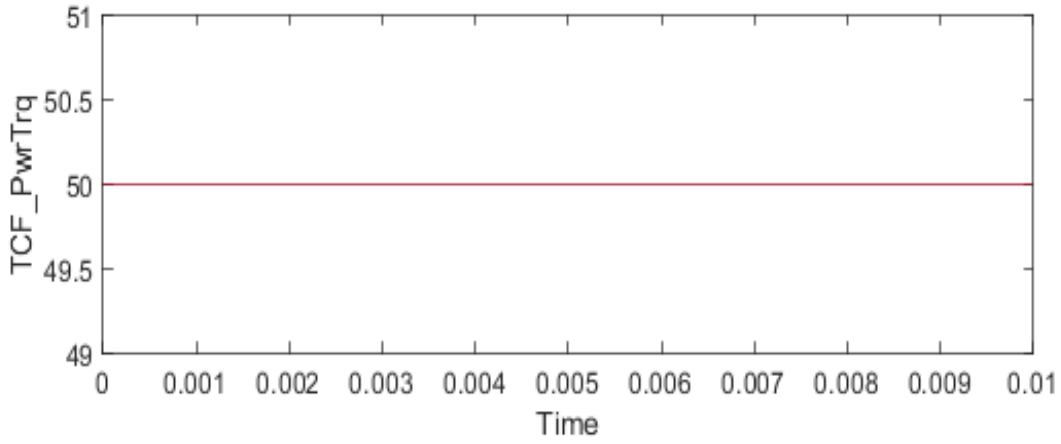
Input Information

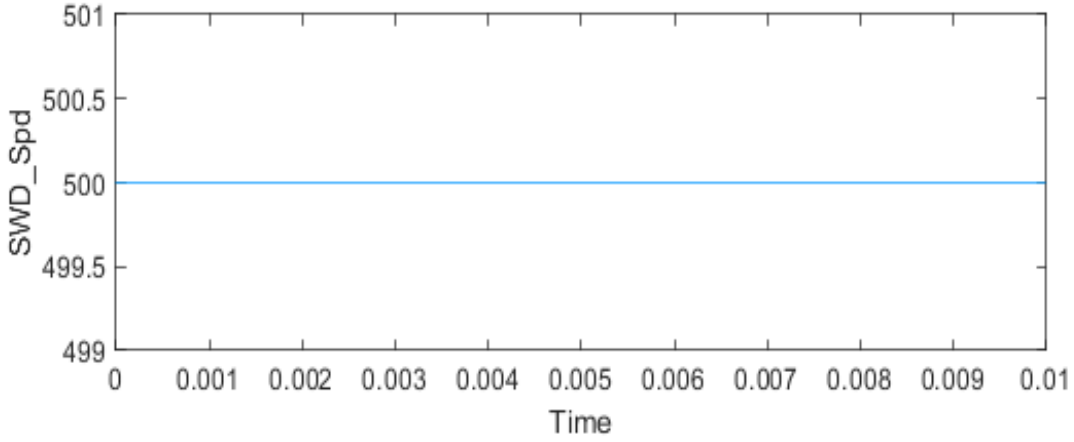
External Input Name: EI09_SWUT_MIL_TrqTube_01

External Input File: E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_PwrTrq	single			zoh	union	Link
SWD_Spd	single			zoh	union	Link
TCF_CurrAgTrq	single			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq	single			zoh	union
SWD_Spd	single			zoh	union





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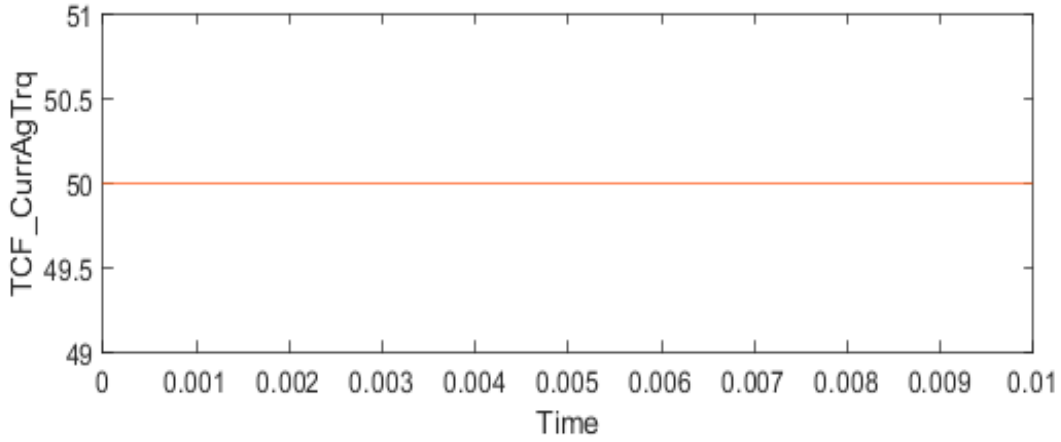
Name	Data Type	Units	Sample Time	Interp	Sync
TCF_CurrAgTrq	single			zoh	union



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Simulation

System Under Test Information

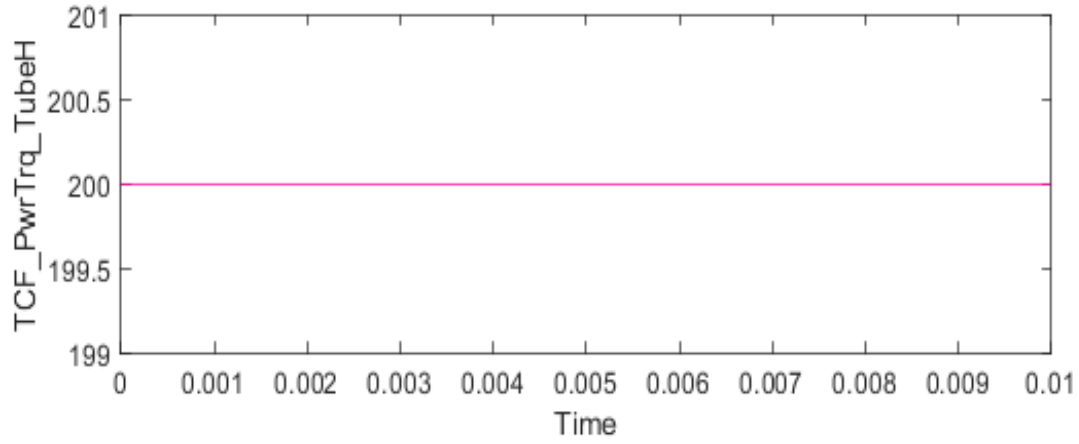
Model: SWC_TCF
Harness: SWC_TCF_Harness_TrqTube

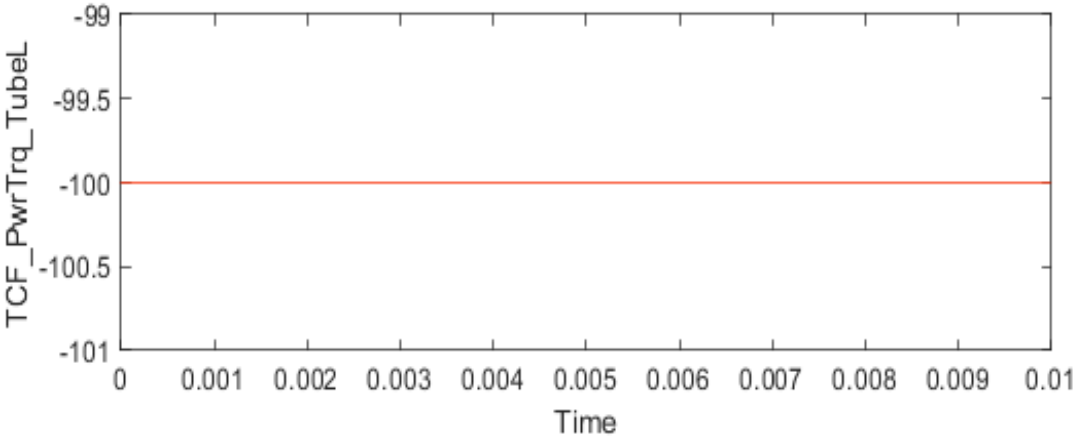
Harness Owner:	SWC_TCF/SWC_TCF_1ms_sys/TrqBlendProc/TrqTube
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	EI09_SWUT_MIL_TrqTube_01
External Input File:	E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\TestCase_TCF.xlsx
Start Time:	0
Stop Time:	0.01
Checksum:	2143119446 166574393 1859505445 1439281752
Simulink Version:	10.1
Model Version:	1.3
Model Author:	dongliyuan
Date:	Tue Jul 27 14:41:50 2021
User ID:	dongliyuan
Model Path:	E:\EI09_Project\ei09\03_Controller_Models\02_Platform_Models\01_Platformmodels\FS\TCF\TCF_V2\SWC_TCF.slx
Machine Name:	MC-ZHANGJUNRENB
Solver Name:	FixedStepDiscrete
Solver Type:	Fixed-Step
Fixed Step Size:	0.001
Simulation Start Time:	2021-12-18 19:25:39
Simulation Stop Time:	2021-12-18 19:25:40
Platform:	PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
TCF_PwrTrq_TubeH	single			zoh	union	Link
TCF_PwrTrq_TubeL	single			zoh	union	Link
TCF_CurrAgTrq_TubeH	single			zoh	union	Link
TCF_CurrAgTrq_TubeL	single			zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
TCF_PwrTrq_TubeH	single			zoh	union
TCF_PwrTrq_TubeL	single			zoh	union





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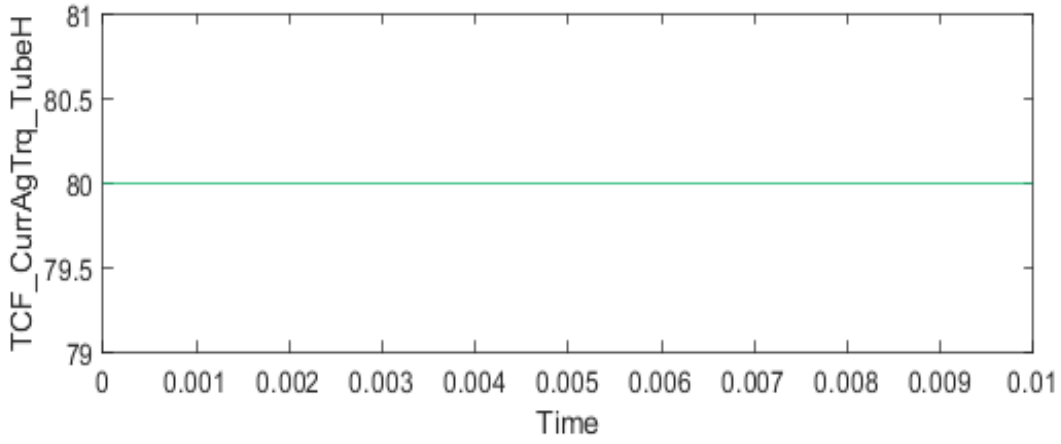
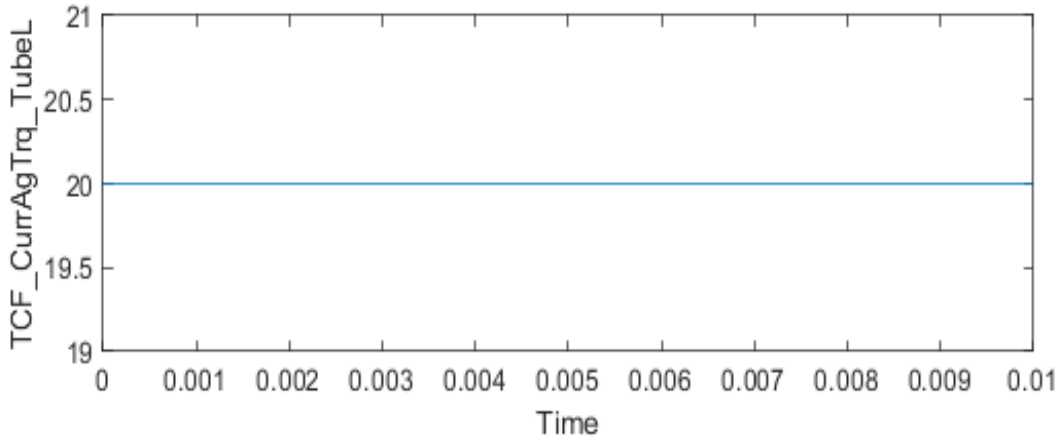
Name	Data Type	Units	Sample Time	Interp	Sync
TCF_CurrAgTrq_TubeH	single			zoh	union
TCF_CurrAgTrq_TubeL	single			zoh	union





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Simulation Logs:
Simulation stopped at '0.01' because there is no input data after this time point.

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