Report Generated by Test Manager

Title: **Report_MIL_Testing_Hand_Dryer_Controller**

Author:

Date: **30-Nov-2024 06:53:23**

Test Environment

Platform: PCWIN64
MATLAB: (R2024b)

Summary

Name	Outcome	Duration (Seconds)
Results: 2024-Nov-30 06:37:45	6 ✅	11.849
📁 MIL_Tests	6 ✅	11.641
📄 Test_RQ_1	✅	2.207
📄 Test_RQ_2	✅	1.917
📄 Test_RQ_3	✅	1.688
📄 Test_RQ_4	✅	2.03
📄 Test_RQ_5	✅	1.718
📄 Test_RQ_6	✅	1.856

Results: 2024-Nov-30 06:37:45

Result Type:	Result Set
Parent:	None
Start Time:	30-Nov-2024 06:37:47
End Time:	30-Nov-2024 06:37:59
Outcome:	Total: 6, Passed: 6

Back to Report Summary

MIL_Tests

Test Result Information

Result Type:	Test Suite Result
Parent:	Results: 2024-Nov-30 06:37:45
Start Time:	30-Nov-2024 06:37:47
End Time:	30-Nov-2024 06:37:58
Outcome:	Total: 6, Passed: 6

Test Suite Information

Name:	MIL_Tests

Back to Report Summary

Test_RQ_1

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests
Start Time:	30-Nov-2024 06:37:47
End Time:	30-Nov-2024 06:37:49
Outcome:	Passed

Test Case Information

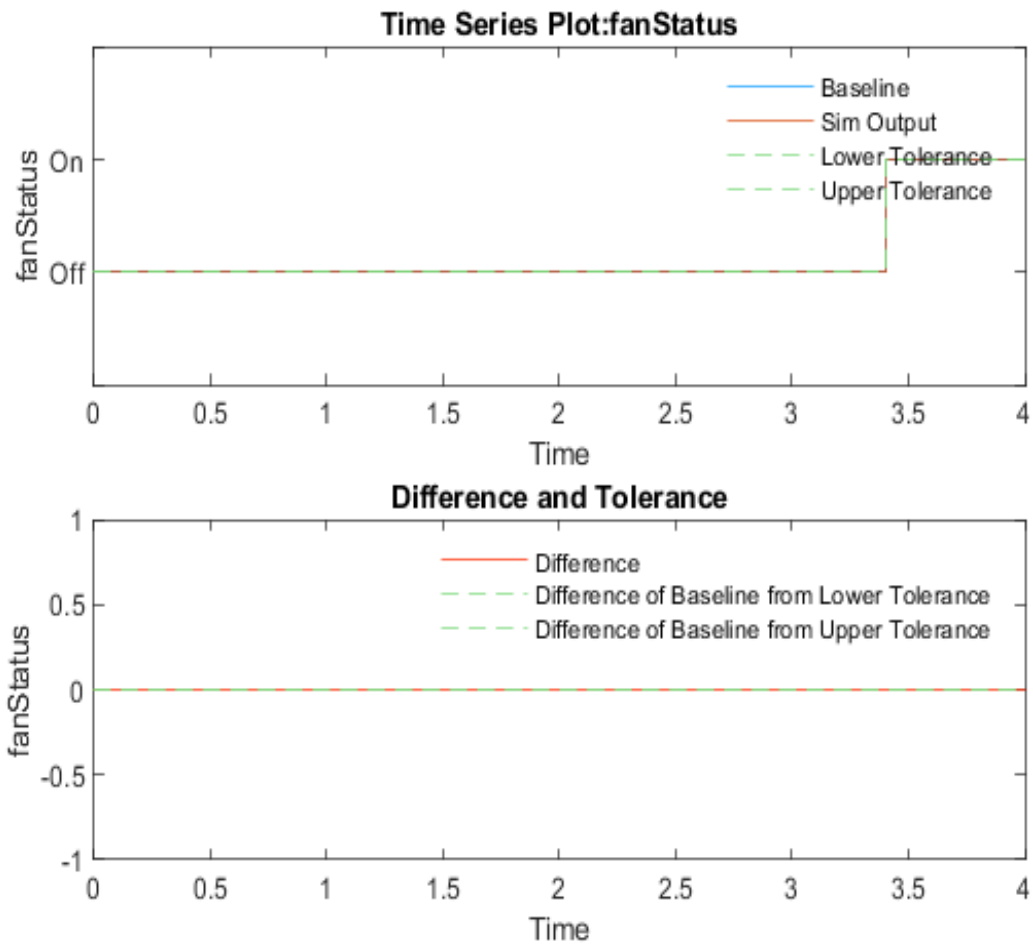|	
Name:	Test_RQ_1
Type:	Baseline Test
Baseline Name:	Baseline_RQ_01

Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-
                   Model-Using-
                   Simulink\Test_cases_with_baseline_data\Baseline
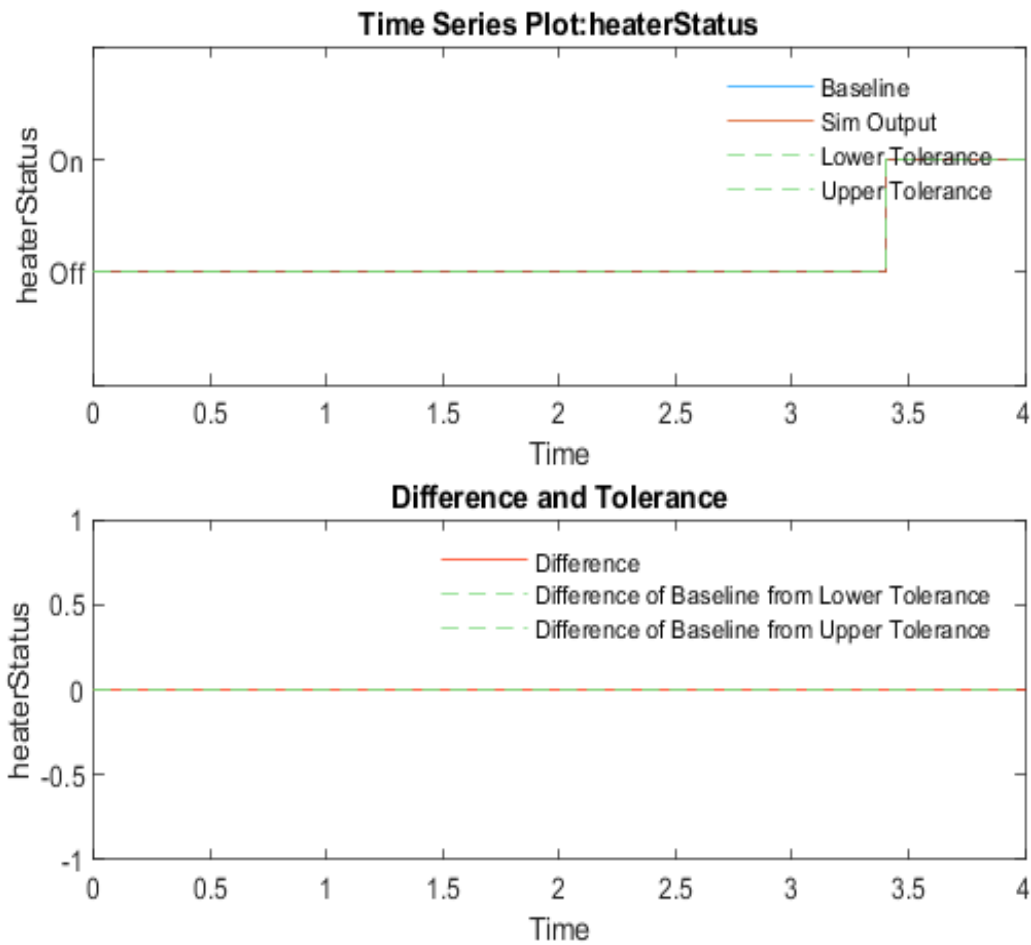   _RQ_01.xlsx

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

Back to Report SummaryBack to Criteria Results

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:heaterStatus

Difference and Tolerance

[Back to Report Summary](#)[Back to Criteria Results](#)

Baseline_RQ_01

Baseline Information

Baseline Name: Baseline_RQ_01
Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Baseline_RQ_01.xlsx

Input Data

Input Information

External Input   Test_RQ_01
Name:
External Input File: D:\MATLAB_Projects\Hand-Dryer-Controller-
                      Model-Using-
                      Simulink\Test_cases_with_baseline_data\Test_RQ_
                      01.xlsx

Simulation

System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_01
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Test_RQ_01.xlsx
Start Time:	0
Stop Time:	4
Checksum:	2353064799 2954533367 3861600919 2836330131

Test_RQ_2

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests

Start Time:	30-Nov-2024 06:37:49
End Time:	30-Nov-2024 06:37:51
Outcome:	Passed

Test Case Information

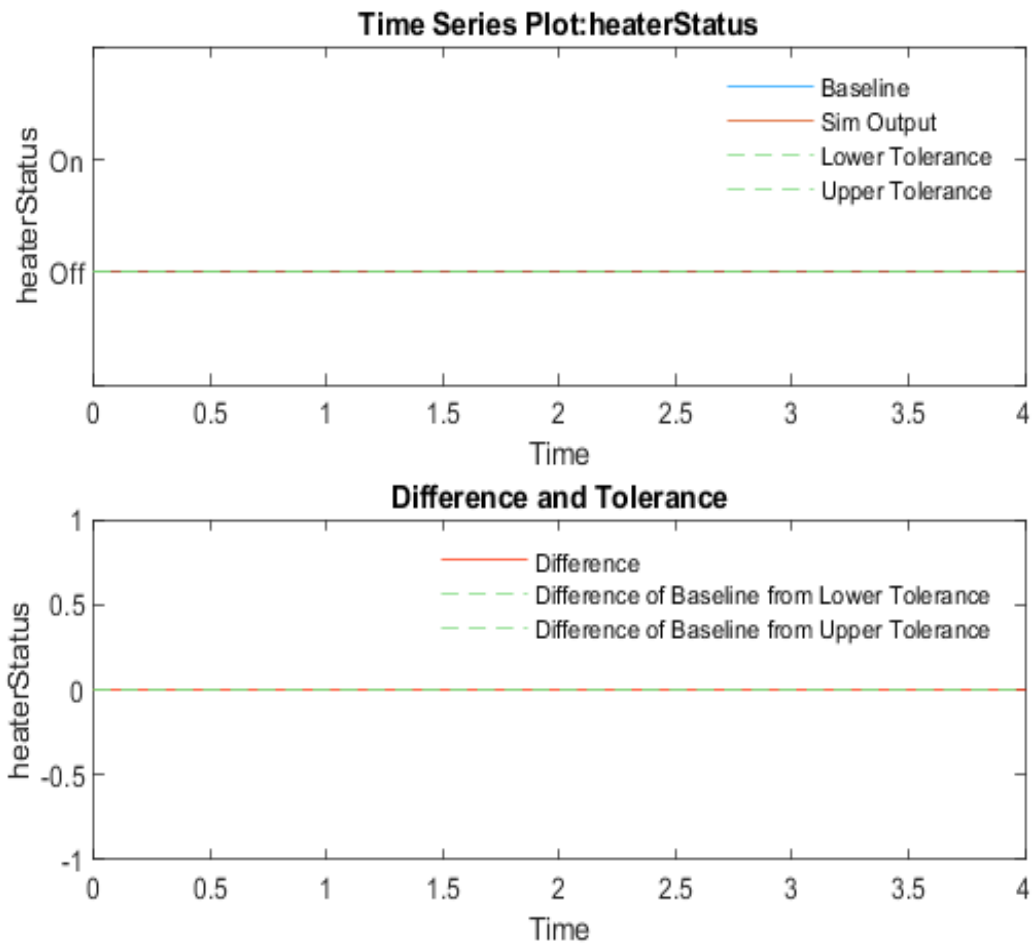| Name:	Test_RQ_2
Type:	Baseline Test
Baseline Name:	Baseline_RQ_02
Baseline File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Baseline_RQ_02.xlsx

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

Back to Report SummaryBack to Criteria Results

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:heaterStatus

Difference and Tolerance

Baseline_RQ_02

Baseline Information

Baseline Name: Baseline_RQ_02
Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-
Model-Using-
Simulink\Test_cases_with_baseline_data\Baseline
_RQ_02.xlsx

Input Data

Input Information

External Input
Name: Test_RQ_02

External Input File: D:\MATLAB_Projects\Hand-Dryer-Controller-
Model-Using-
Simulink\Test_cases_with_baseline_data\Test_RQ_
02.xlsx

Simulation

System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_02
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Test_RQ_02.xlsx
Start Time:	0
Stop Time:	4
Checksum:	2353064799 2954533367 3861600919 2836330131

Test_RQ_3

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests

Start Time: 30-Nov-2024 06:37:51
End Time: 30-Nov-2024 06:37:53
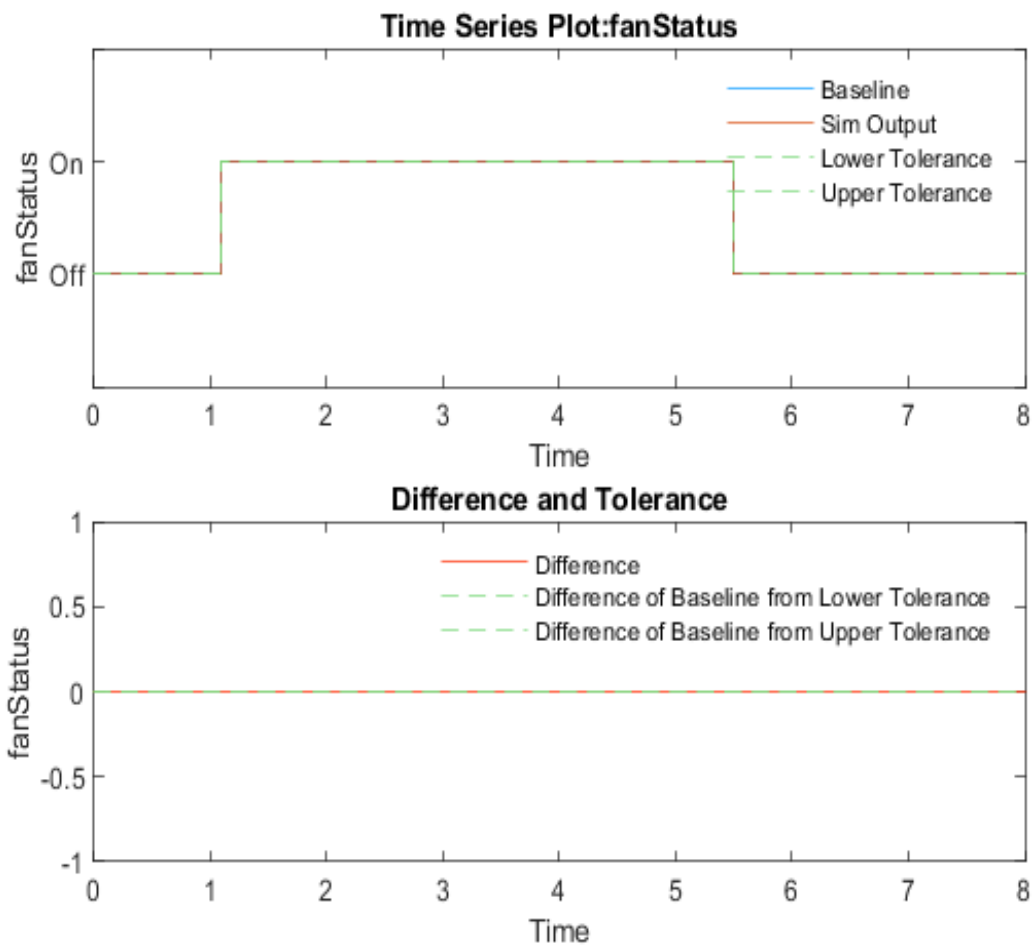Outcome: Passed

Test Case Information

Name: Test_RQ_3
Type: Baseline Test
Baseline Name: Baseline_RQ_03
Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Baseline_RQ_03.xlsx
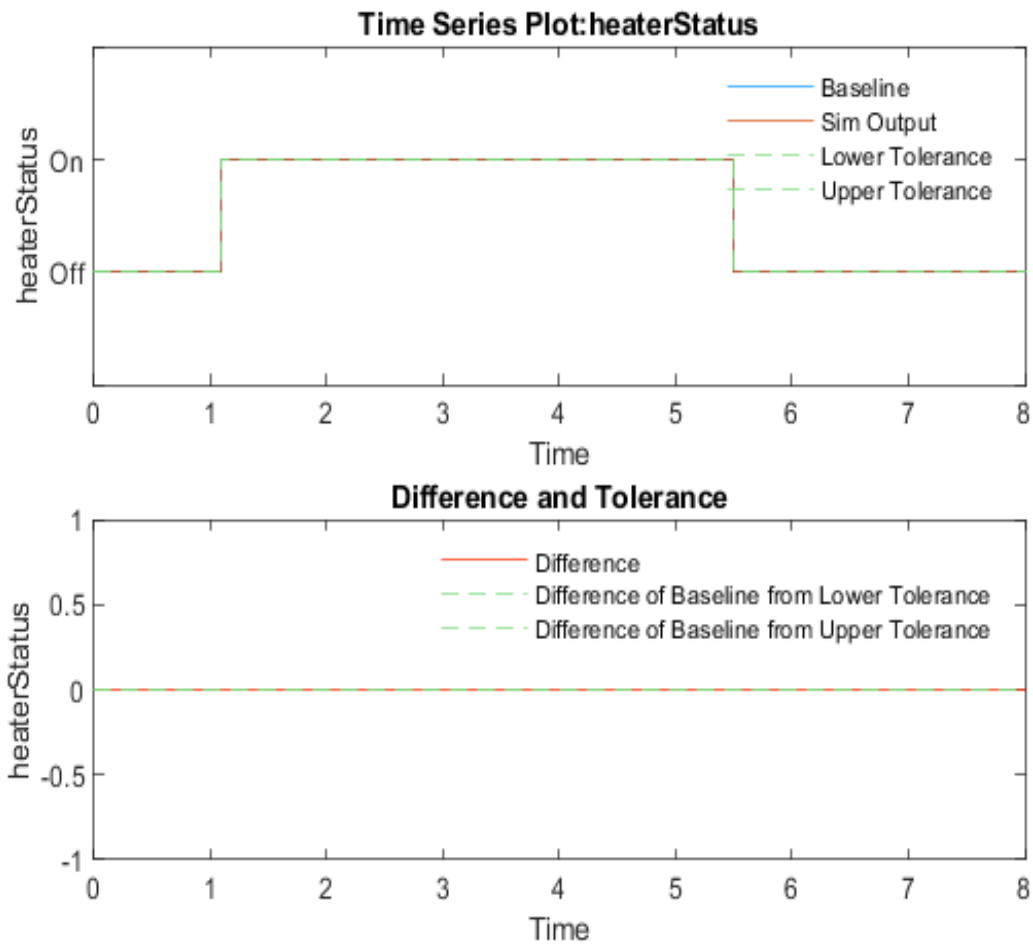
Baseline Comparison

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

[Back to Report Summary](#)[Back to Criteria Results](#)

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:heaterStatus

Difference and Tolerance

[Back to Report Summary](#)[Back to Criteria Results](#)

Baseline_RQ_03

Baseline Information

Baseline Name: Baseline_RQ_03
Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-
                   Model-Using-
                   Simulink\Test_cases_with_baseline_data\Baseline
                   _RQ_03.xlsx

Input Data

Input Information

External Input
Name: Test_RQ_03

External Input File: D:\MATLAB_Projects\Hand-Dryer-Controller-
                     Model-Using-
                     Simulink\Test_cases_with_baseline_data\Test_RQ_
                     03.xlsx

Simulation

System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_03
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller- Model-Using- Simulink\Test_cases_with_baseline_data\Test_RQ_ 03.xlsx
Start Time:	0
Stop Time:	8
Checksum:	1577351135 2717307579 1724448067 11527362

Test_RQ_4

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests

Start Time: 30-Nov-2024 06:37:53
End Time: 30-Nov-2024 06:37:55
Outcome: Passed

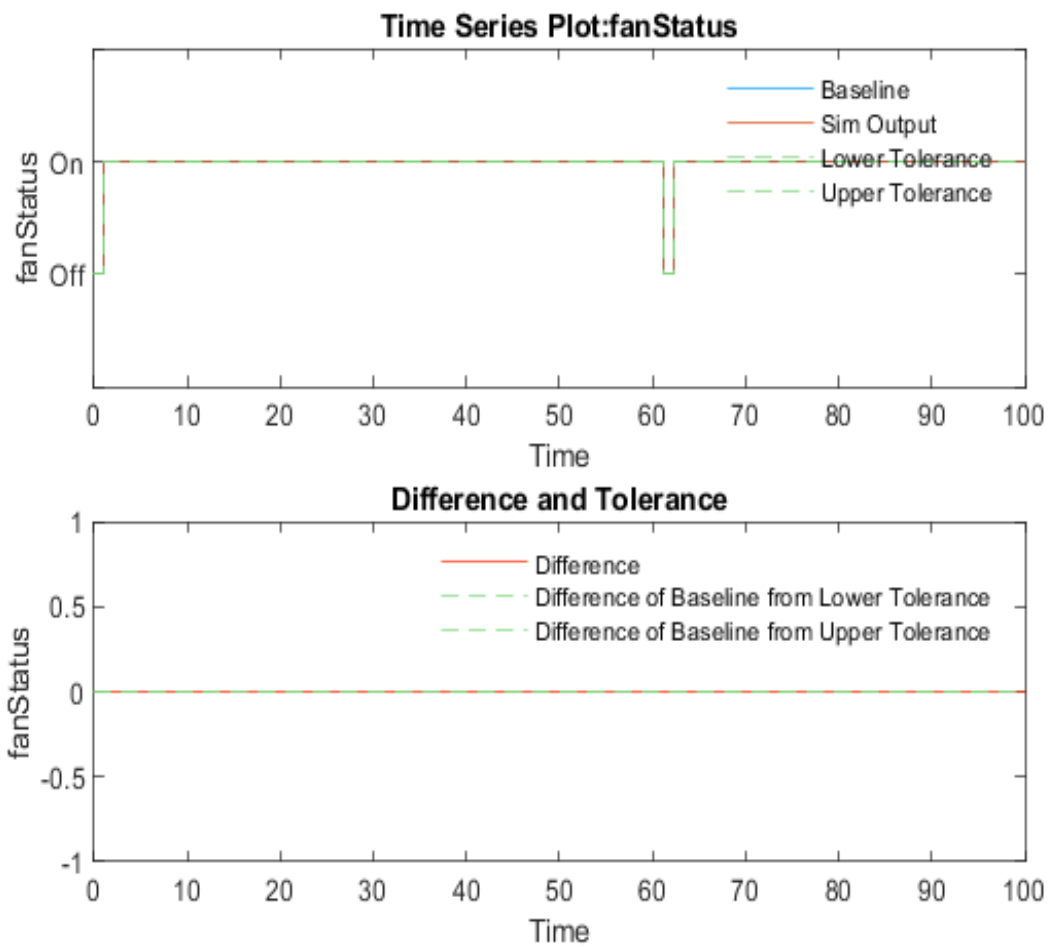## Test Case Information

Name: Test_RQ_4
Type: Baseline Test
Baseline Name: Baseline_RQ_04
Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-
                     Model-Using-
                     Simulink\Test_cases_with_baseline_data\Baseline
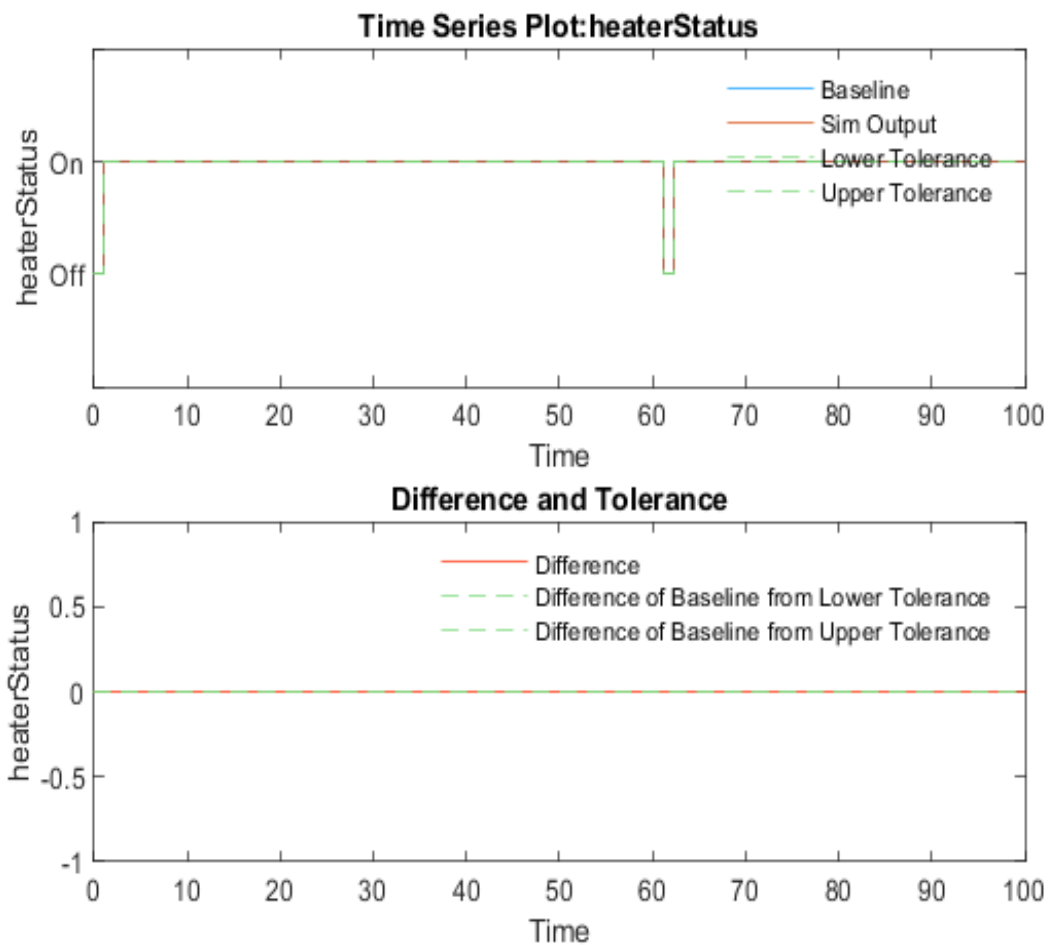   _RQ_04.xlsx

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:heaterStatus

Difference and Tolerance

Input Data

Input Information

External Input Name:	Test_RQ_04
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-

Simulink\Test_cases_with_baseline_data\Test_RQ_
04.xlsx

Simulation

System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_04
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Test_RQ_04.xlsx
Start Time:	0
Stop Time:	100
Checksum:	2883256488 2379220663 3844408930 4106070509

Test_RQ_5

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests
Start Time:	30-Nov-2024 06:37:55
End Time:	30-Nov-2024 06:37:56
Outcome:	Passed

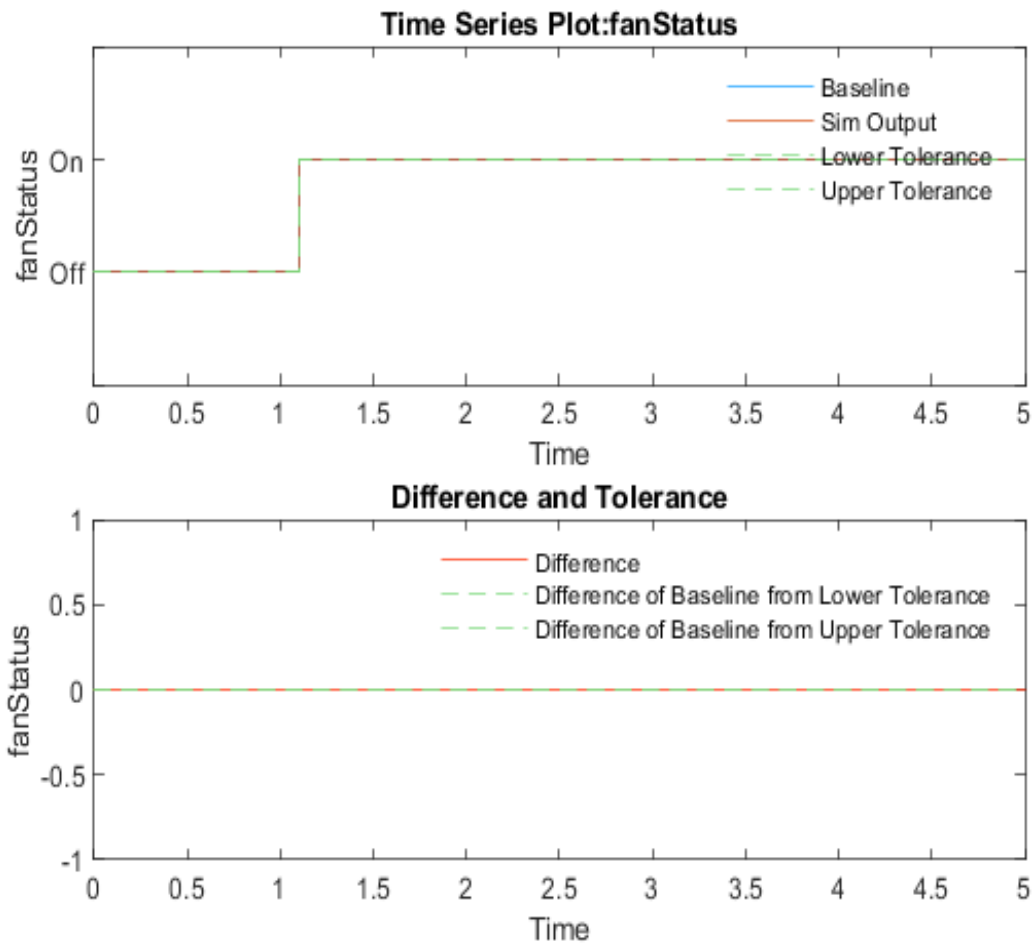### Test Case Information

Name:	Test_RQ_5
Type:	Baseline Test
Baseline Name:	Sheet1

Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Baseline_RQ_05.xlsx
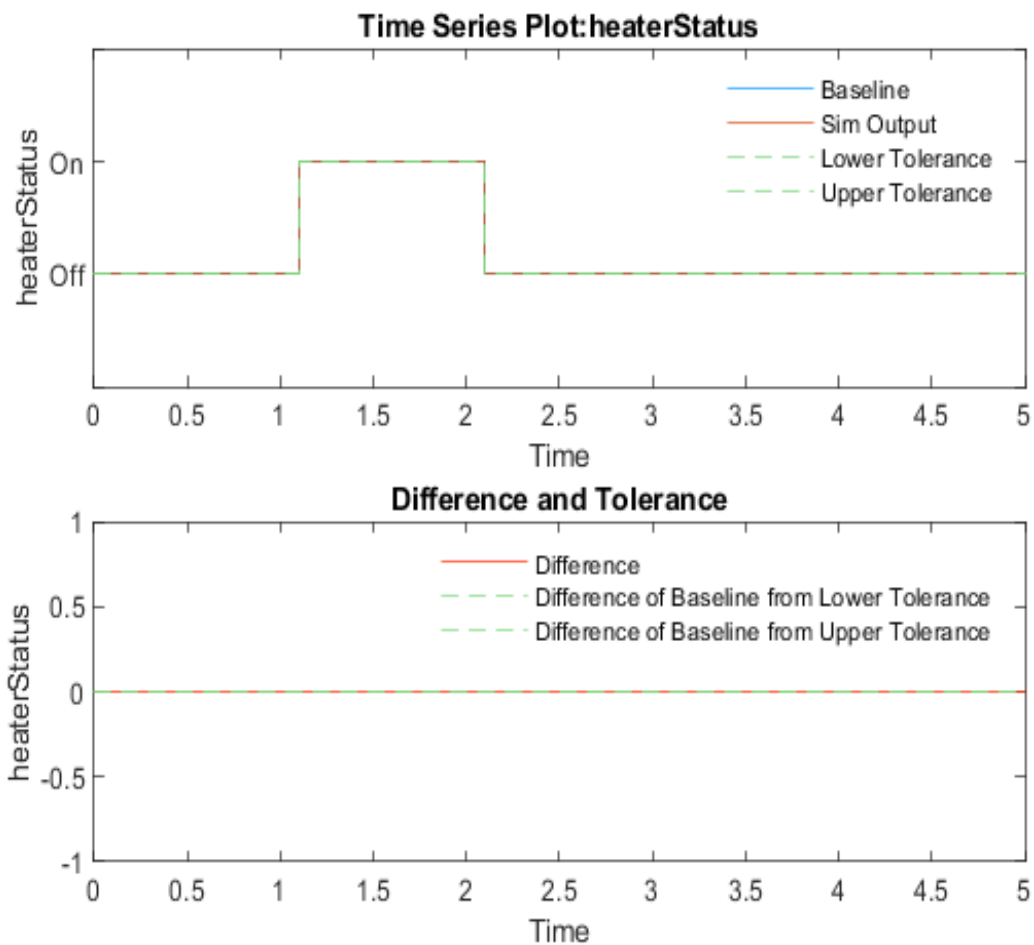
Baseline Comparison

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

[Back to Report Summary](#)[Back to Criteria Results](#)

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:heaterStatus

Difference and Tolerance

Input Data

Input Information

External Input Name: Test_RQ_05

External Input File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-

Simulink\Test_cases_with_baseline_data\Test_RQ_
05.xlsx

Simulation
System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_05
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Test_RQ_05.xlsx
Start Time:	0
Stop Time:	5
Checksum:	3130275151 781365427 899538858 182071976

Test_RQ_6

Test Result Information

Result Type:	Test Case Result
Parent:	MIL_Tests
Start Time:	30-Nov-2024 06:37:57
End Time:	30-Nov-2024 06:37:58
Outcome:	Passed

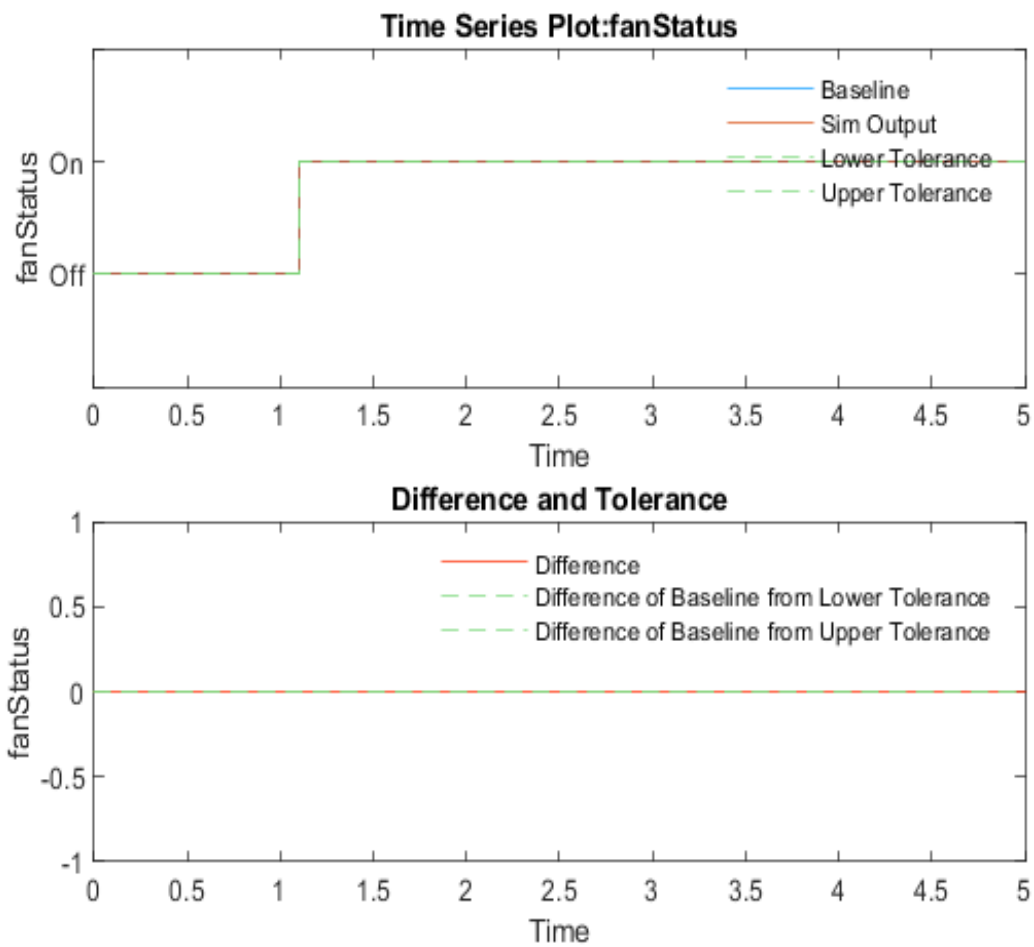### Test Case Information

Name:	Test_RQ_6
Type:	Baseline Test
Baseline Name:	Baseline_RQ_06

Baseline File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Baseline_RQ_06.xlsx
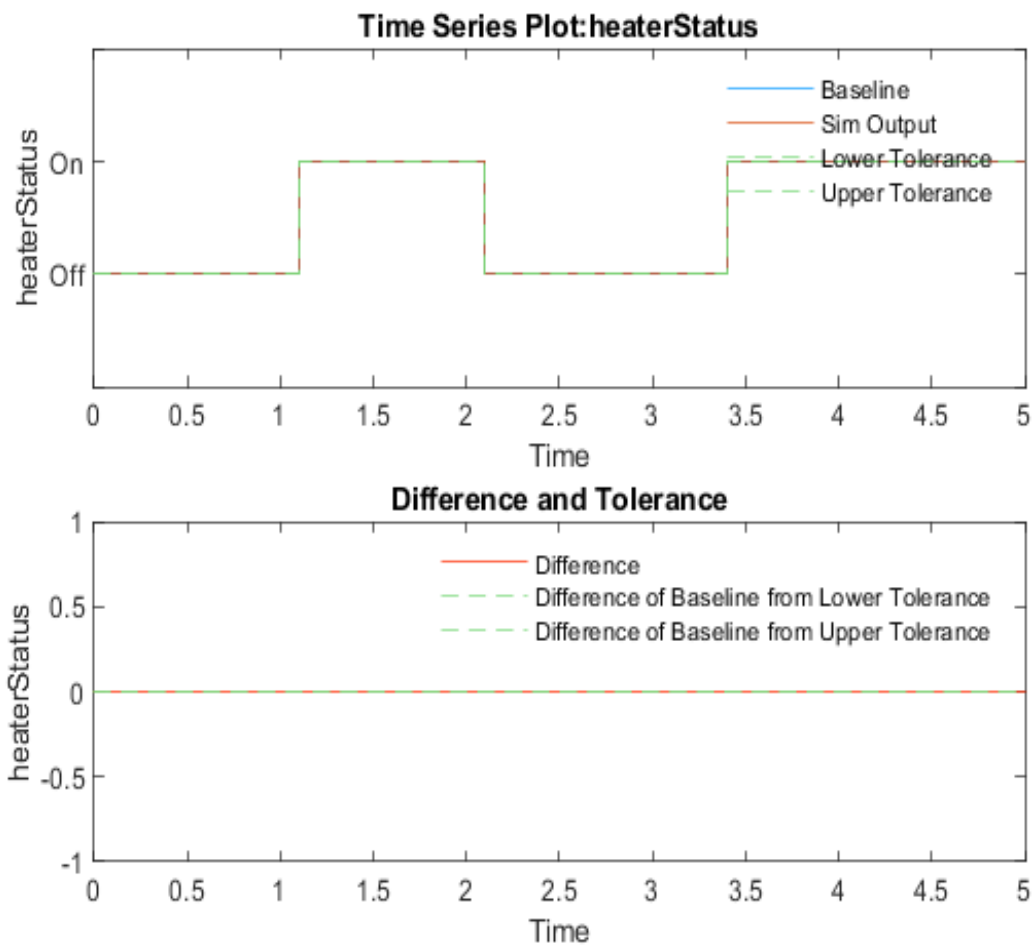
Baseline Comparison

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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union	Link
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	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
✅ fanStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot:fanStatus

Difference and Tolerance

[Back to Report Summary](#)[Back to Criteria Results](#)

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
✅ heaterStatus	0	0	0	0	0	OnOffEnum			OnOffEnum		0.1	zoh	union

Time Series Plot: heaterStatus

Difference and Tolerance

Input Data

Input Information

External Input Name: Test_RQ_06

External Input File: D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-

Simulink\Test_cases_with_baseline_data\Test_RQ_
06.xlsx

Simulation

System Under Test Information

Model:	hand_dryer_controller
Harness:	hand_dryer_controller_Harness
Harness Owner:	hand_dryer_controller
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration1
External Input Name:	Test_RQ_06
External Input File:	D:\MATLAB_Projects\Hand-Dryer-Controller-Model-Using-Simulink\Test_cases_with_baseline_data\Test_RQ_06.xlsx
Start Time:	0
Stop Time:	5
Checksum:	3130275151 781365427 899538858 182071976