




























Report Generated by Test Manager

Title: Dynamic/Static Obstacle Avoidance - Test Report
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Date: 09-Jun-2021 18:26:14

Test Environment

Platform: PCWIN64
MATLAB: (R2021a)

Summary

Name	Outcome	Duration (Seconds)
 Compound obstacle avoidance	43  1 	2849.891
 Multiple_dynamic/static_obstacle_100km/h	21  1 	851.074
 0° 100km/h		0.00099993
 20° 100km/h		0
 45° 100km/h		0.00099993
 70° 100km/h		0
 90° 100km/h		25.984
 110° 100km/h		25.93
 135° 100km/h		45.77
 160° 100km/h		106.633
 180° 100km/h		27.531
 -20° 100km/h		32.267
 -45° 100km/h		41.179
 -70° 100km/h		144.747
 -90° 100km/h		35.289
 -110° 100km/h		36.087
 -135° 100km/h		48.841
 -160° 100km/h		111.192
 1000m curvature clockwise 100km/h		34.394
 500m curvature clockwise 100km/h		17.829
 300m curvature clockwise 100km/h		13.471
 300m curvature counterclockwise 100km/h		21.456
 500m curvature counterclockwise 100km/h		33.092
 1000m curvature counterclockwise 100km/h		47.884
 Multiple_dynamic/static_obstacle_40km/h	22 	1998.682

 0° 40km/h		106.719
 20° 40km/h		129.461
 45° 40km/h		165.057
 70° 40km/h		87.419
 90° 40km/h		123.498
 110° 40km/h		99.558
 135° 40km/h		145.325
 160° 40km/h		45.98
 180° 40km/h		92.863
 -20° 40km/h		94.297
 -45° 40km/h		145.108
 -70° 40km/h		45.363
 -90° 40km/h		87.083
 -110° 40km/h		102.505
 -135° 40km/h		149.397
 -160° 40km/h		46.589
 1000m curvature clockwise 40km/h		89.139
 500m curvature clockwise 40km/h		46.118
 300m curvature clockwise 40km/h		28.213
 300m curvature counterclockwise 40km/h		21.891
 500m curvature counterclockwise 40km/h		39.423
 1000m curvature counterclockwise 40km/h		106.228

Compound_obstacle_avoidance

Test Result Information

Result Type: Test File Result
Parent: None
Start Time: 09-Jun-2021 17:13:47
End Time: 09-Jun-2021 18:01:16
Outcome: Total: 44, Passed: 43, Failed: 1
Description:

This report describes the tests performed for the Obstacle Avoidance regarding a dynamic obstacle moving at a lower speed respect to the ego-vehicle considering different simple scenarios at 40km/h and 100km/h.

Test Suite Information

Name: Compound_obstacle_avoidance

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Multiple_dynamic/static_obstacle 100km/h

Test Result Information

Result Type: Test Suite Result
Parent: [Compound_obstacle_avoidance](#)
Start Time: 09-Jun-2021 17:13:47
End Time: 09-Jun-2021 17:27:58
Outcome: Total: 22, Passed: 21, Failed: 1

Test Suite Information

Name: Multiple_dynamic/static_obstacle 100km/h

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0° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:10:32
End Time: 09-Jun-2021 17:10:32
Outcome: **Passed**

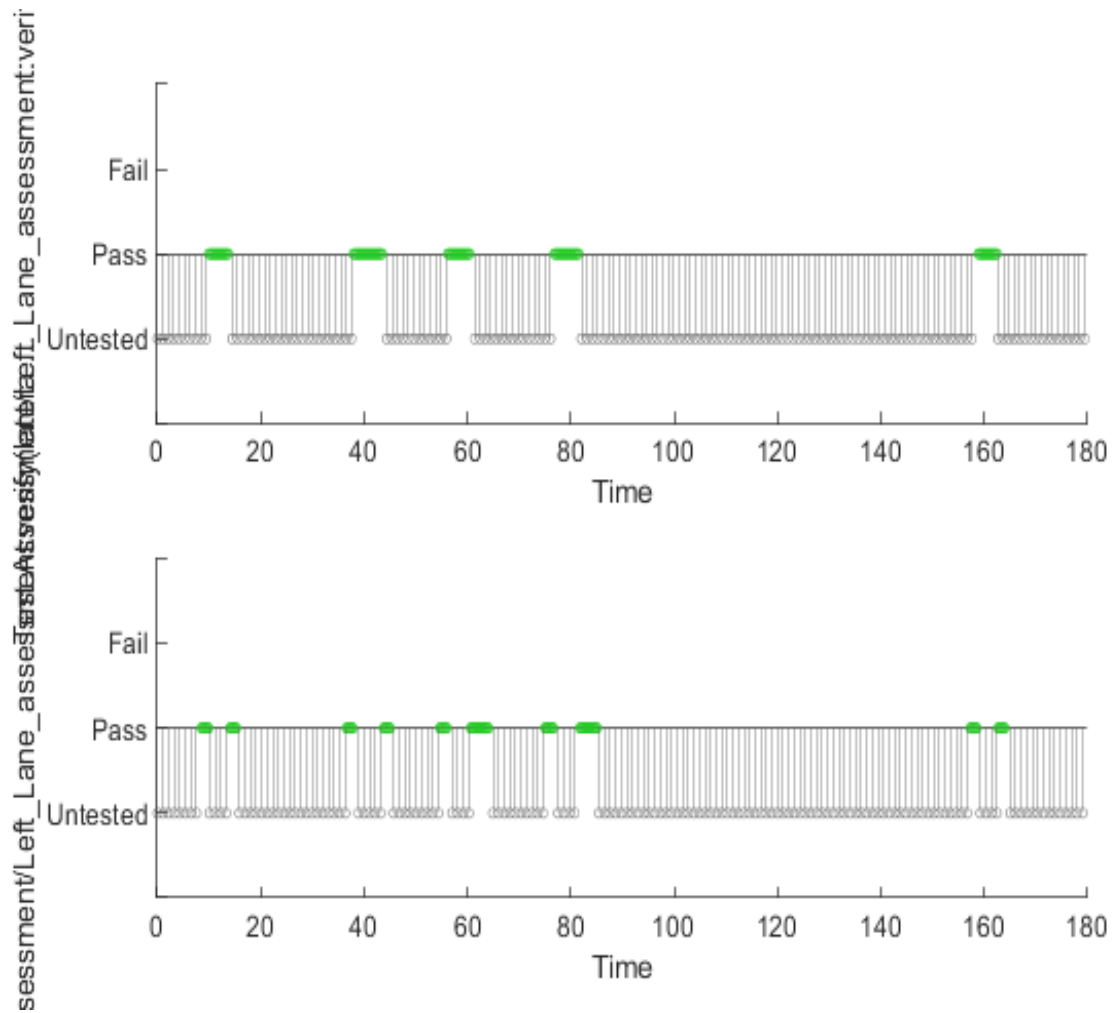
Test Case Information

Name: 0° 100km/h
Type: Simulation Test

Verify Result

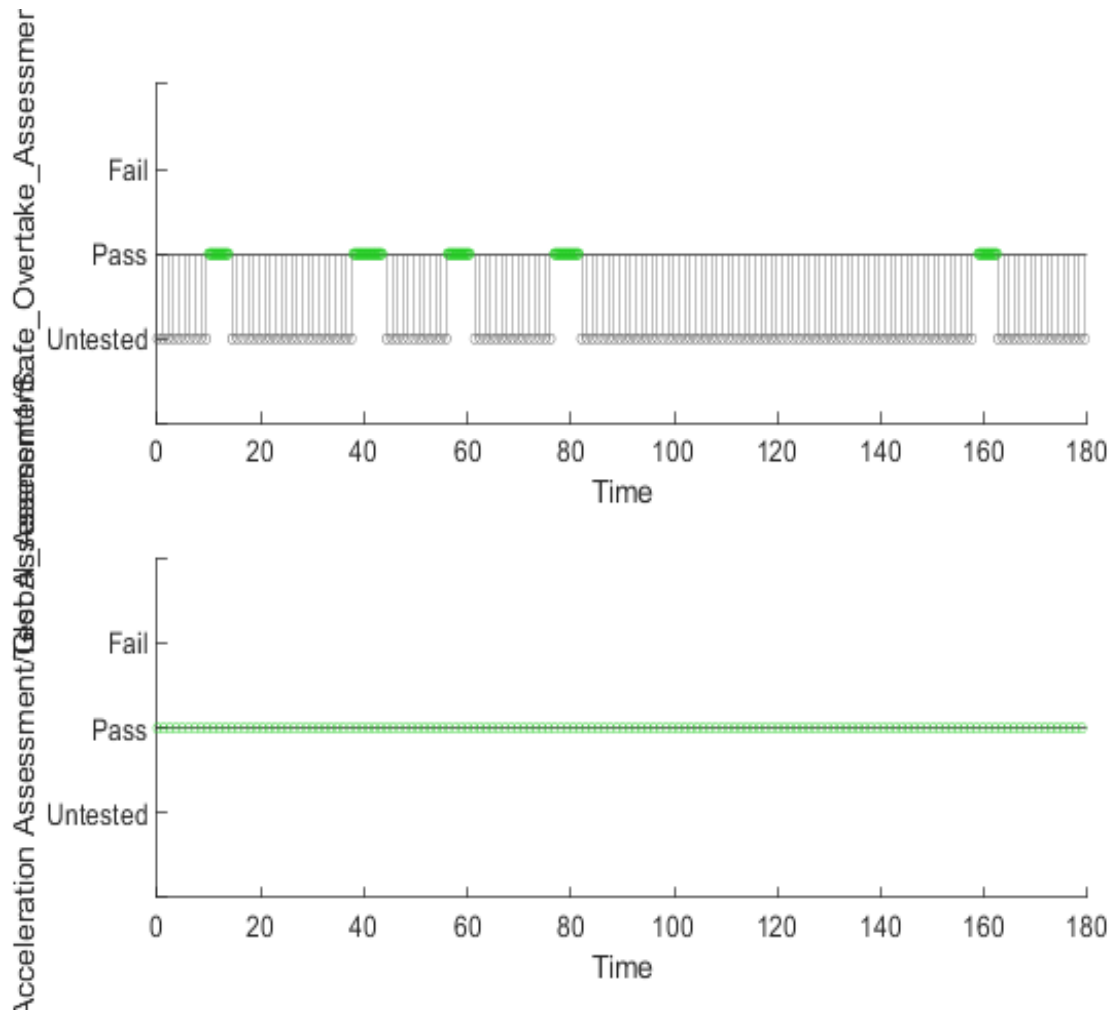
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

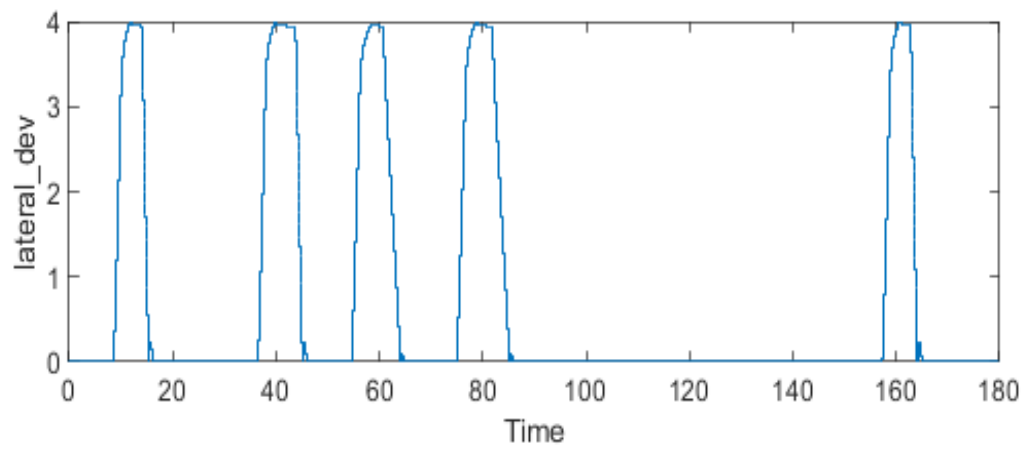
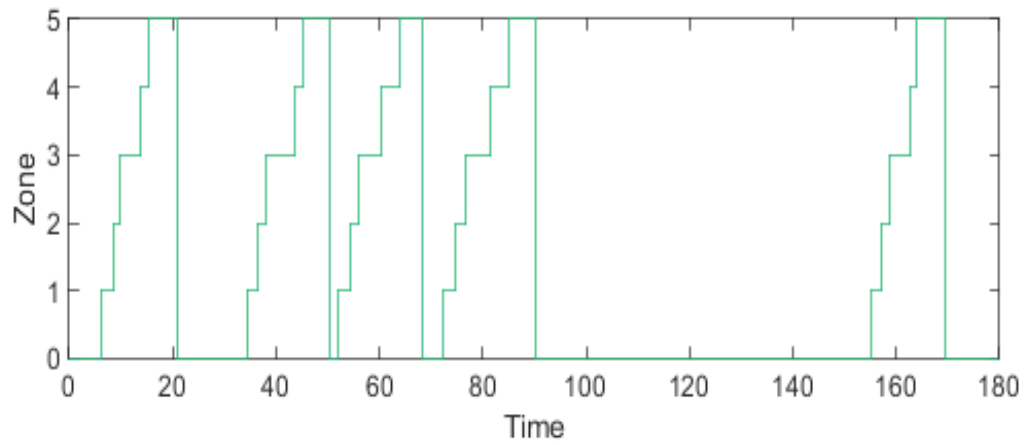
Stop Time:180

Checksum:4055977962 985506375 739289017 1463479181

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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20° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:11:18

End Time: 09-Jun-2021 17:11:18
Outcome: Passed

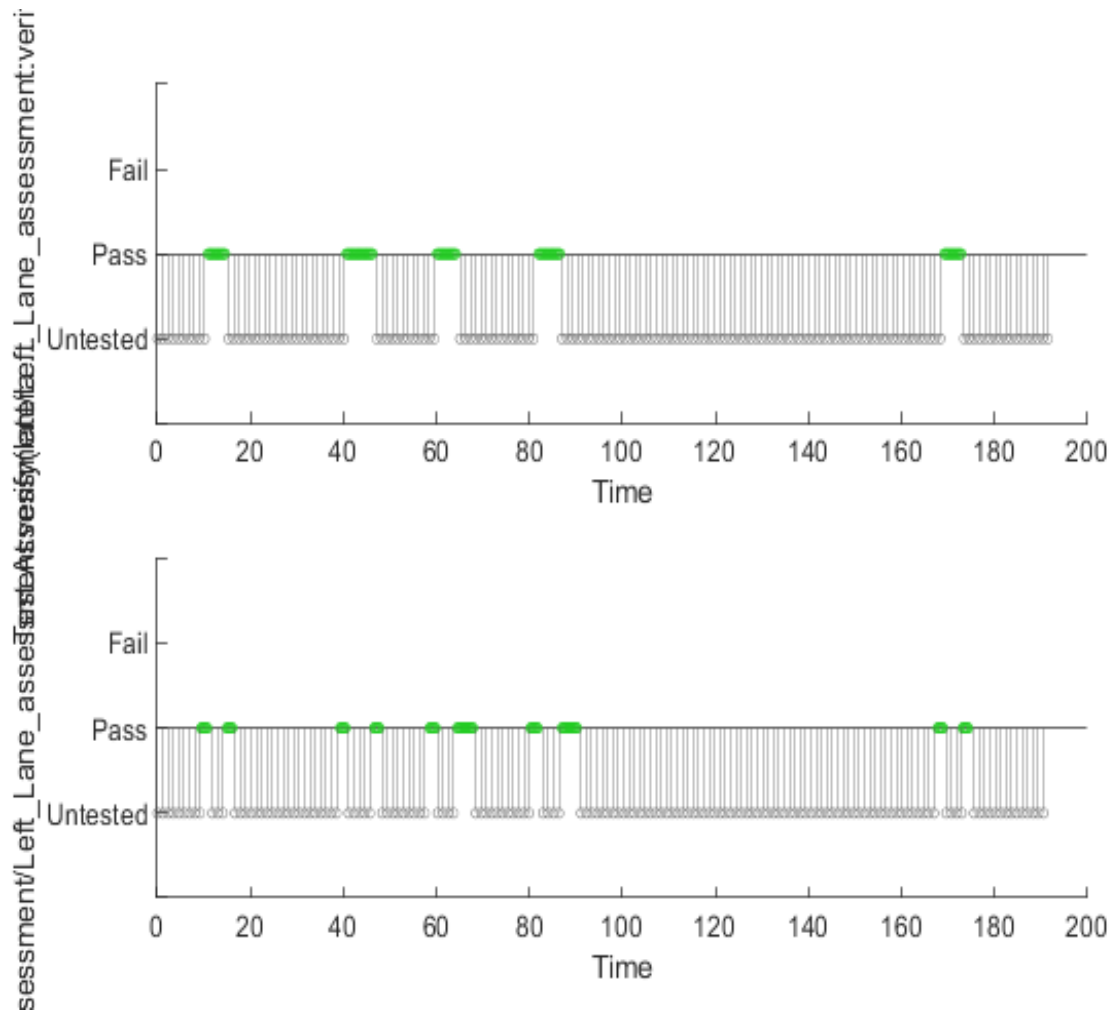
Test Case Information

Name: 20° 100km/h
Type: Simulation Test

Verify Result

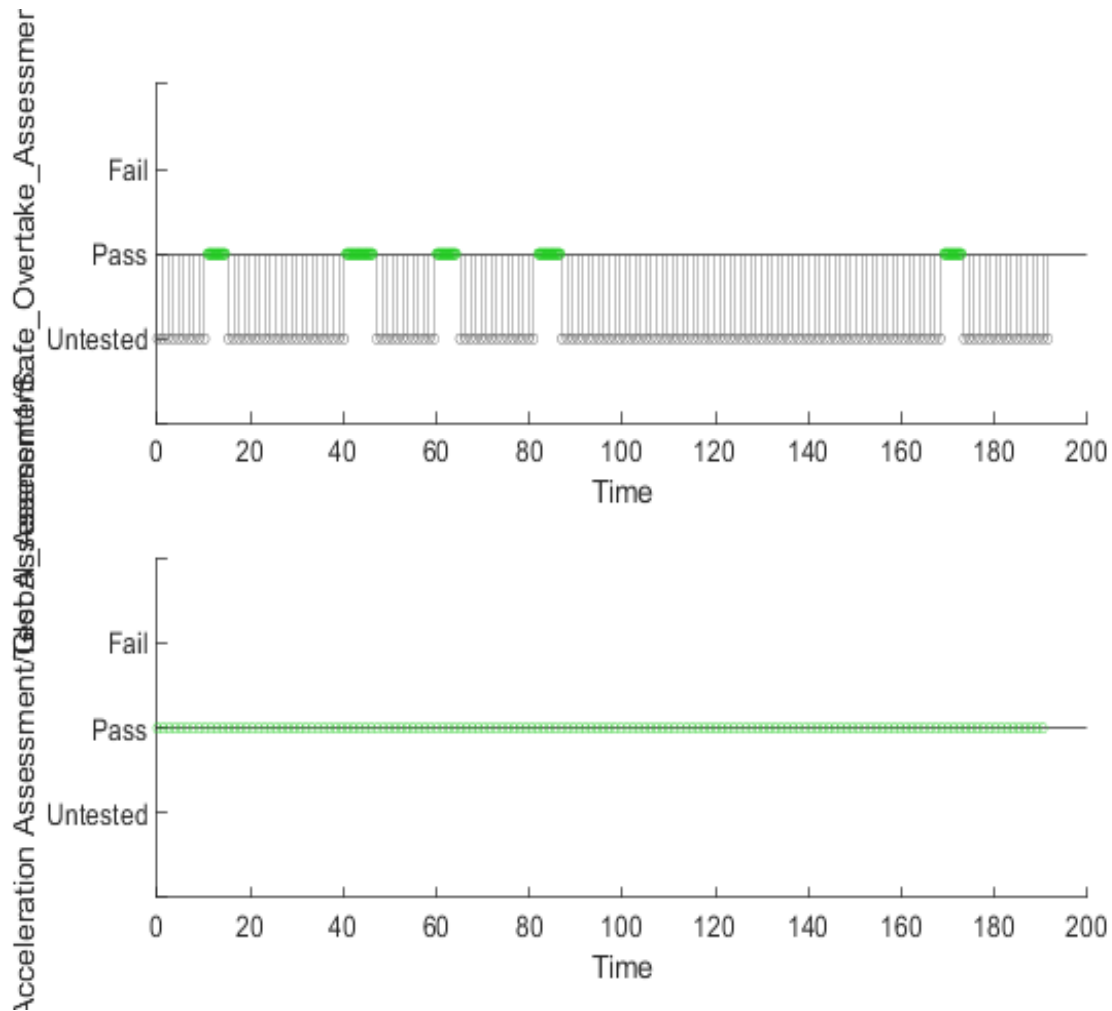
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

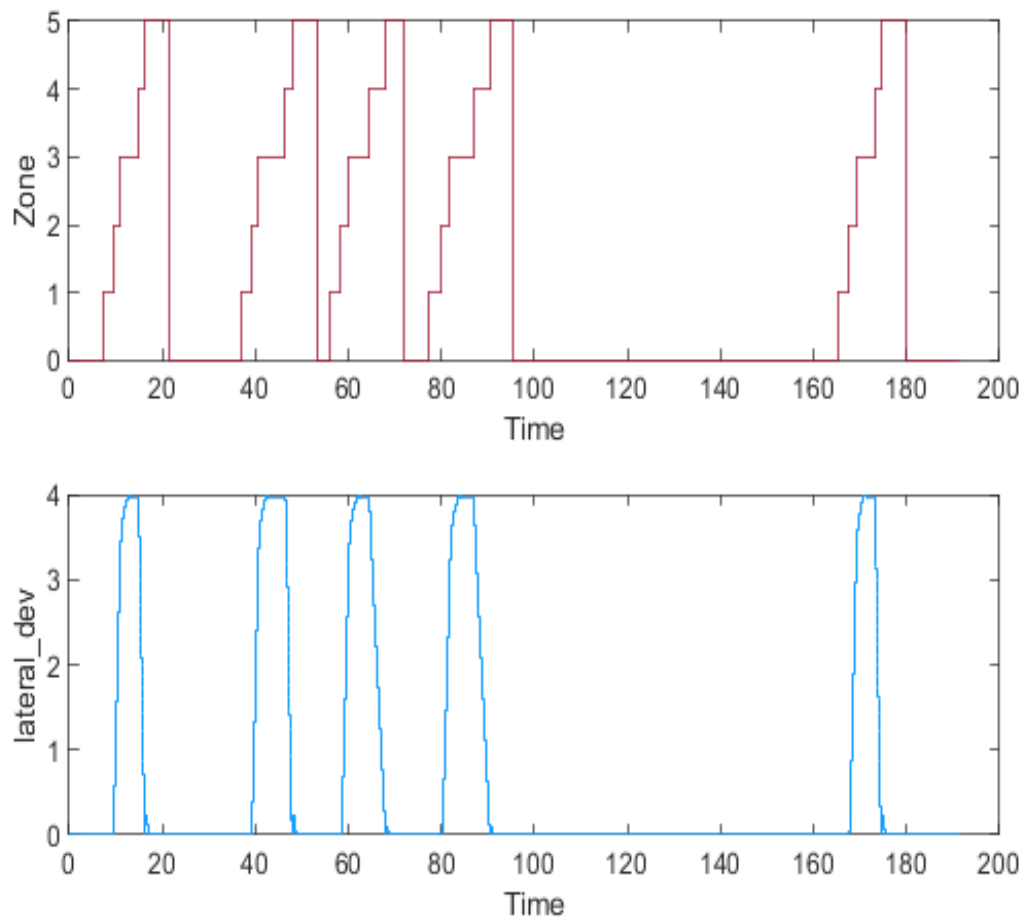
Stop Time:191.55383159832641

Checksum:795497227 1417377670 90652821 1273663688

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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45° 100km/h

Test Result Information

Result Type:	Test Case Result
Parent:	Multiple dynamic/static obstacle 100km/h
Start Time:	09-Jun-2021 17:12:04

End Time: 09-Jun-2021 17:12:04
Outcome: Passed

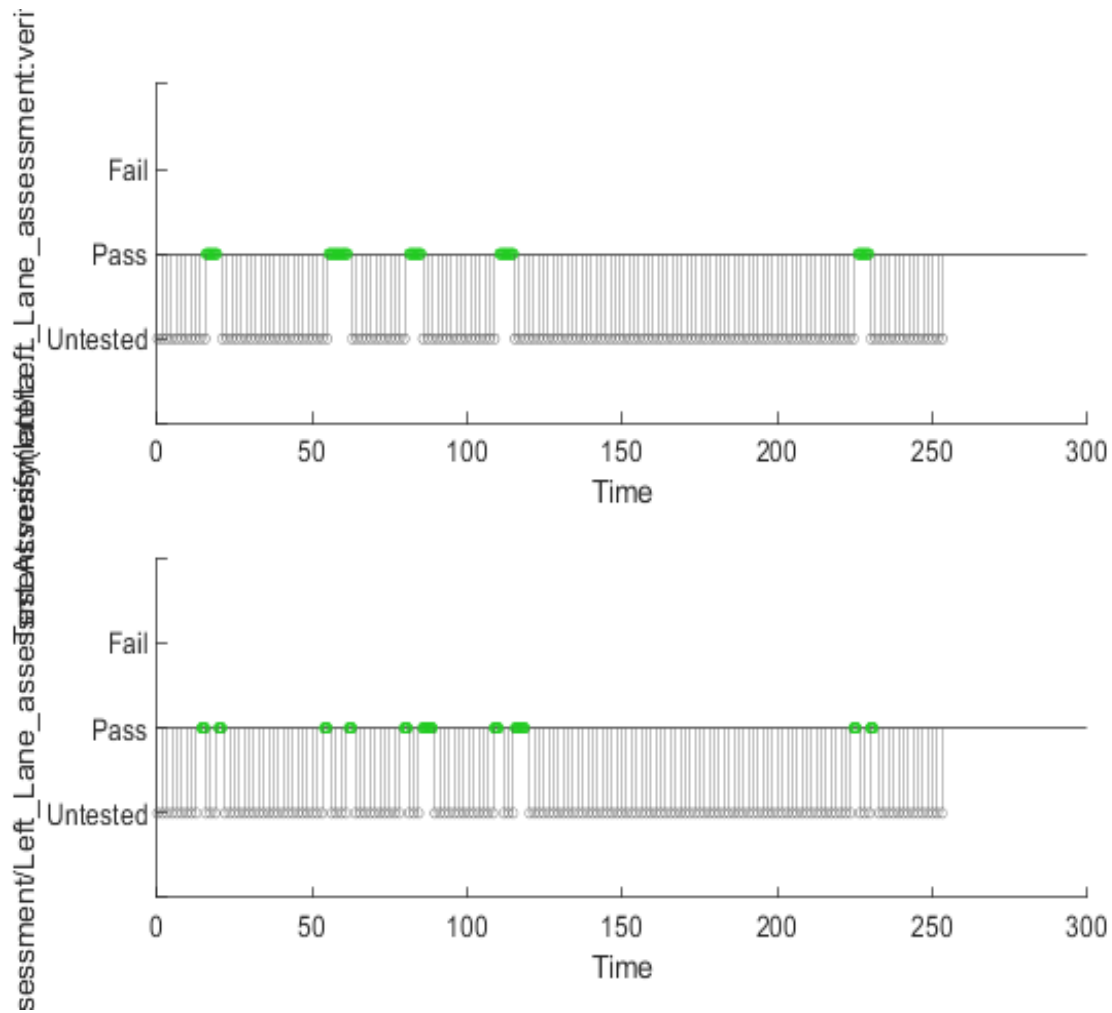
Test Case Information

Name: 45° 100km/h
Type: Simulation Test

Verify Result

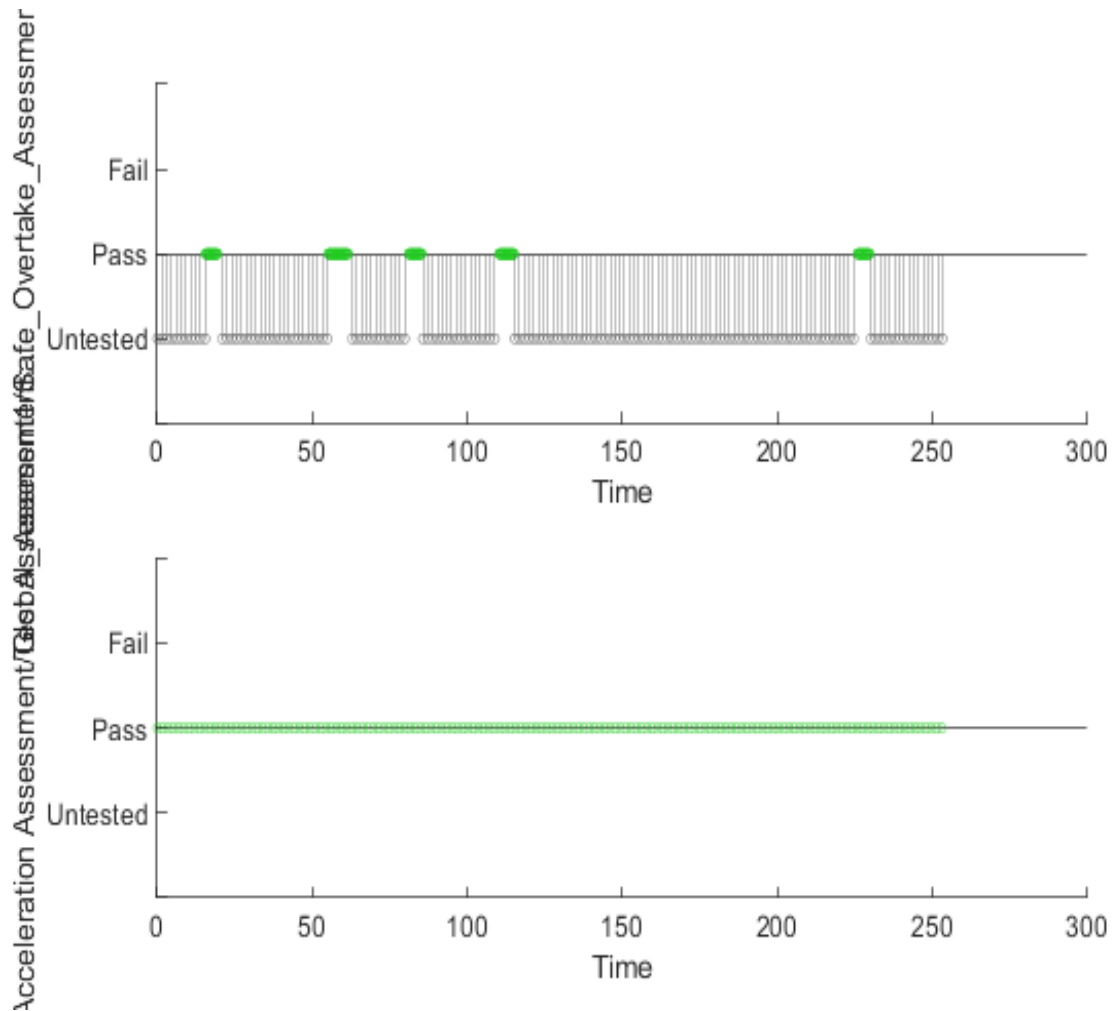
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

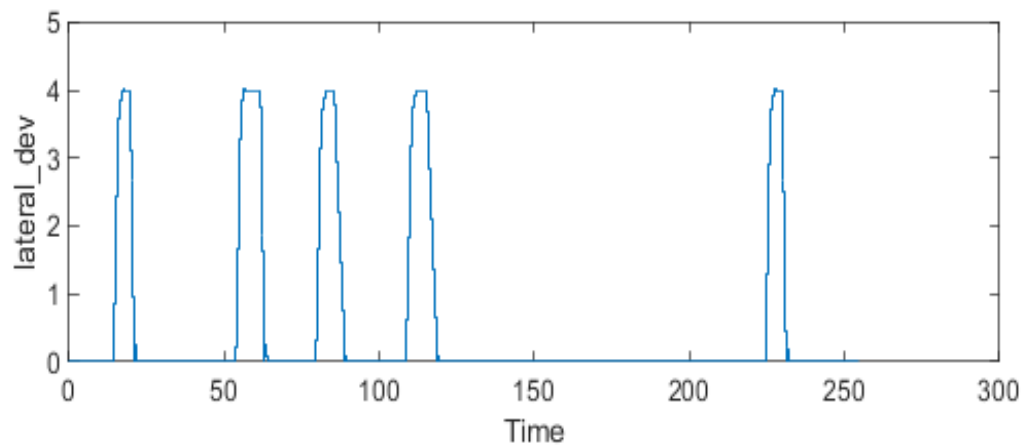
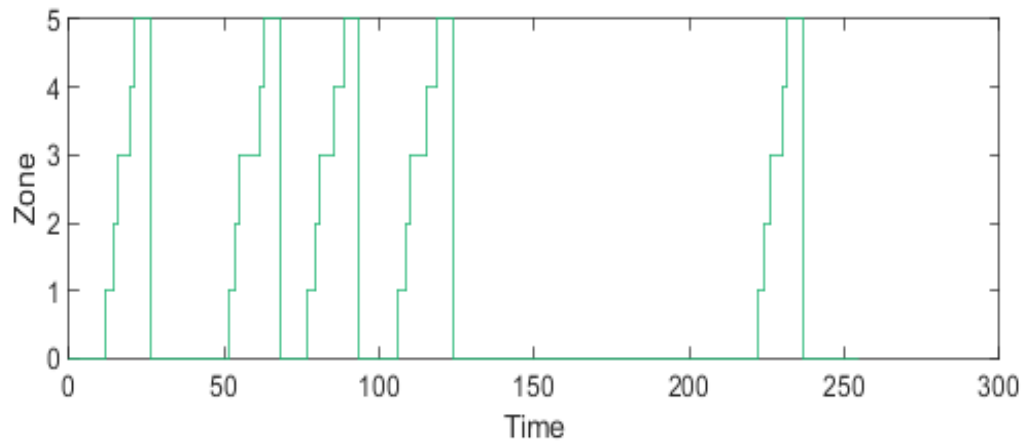
Stop Time:254.55844122715709

Checksum:4212731199 1745535526 3951899521 1477289556

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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70° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:13:47

End Time: 09-Jun-2021 17:13:47
Outcome: Passed

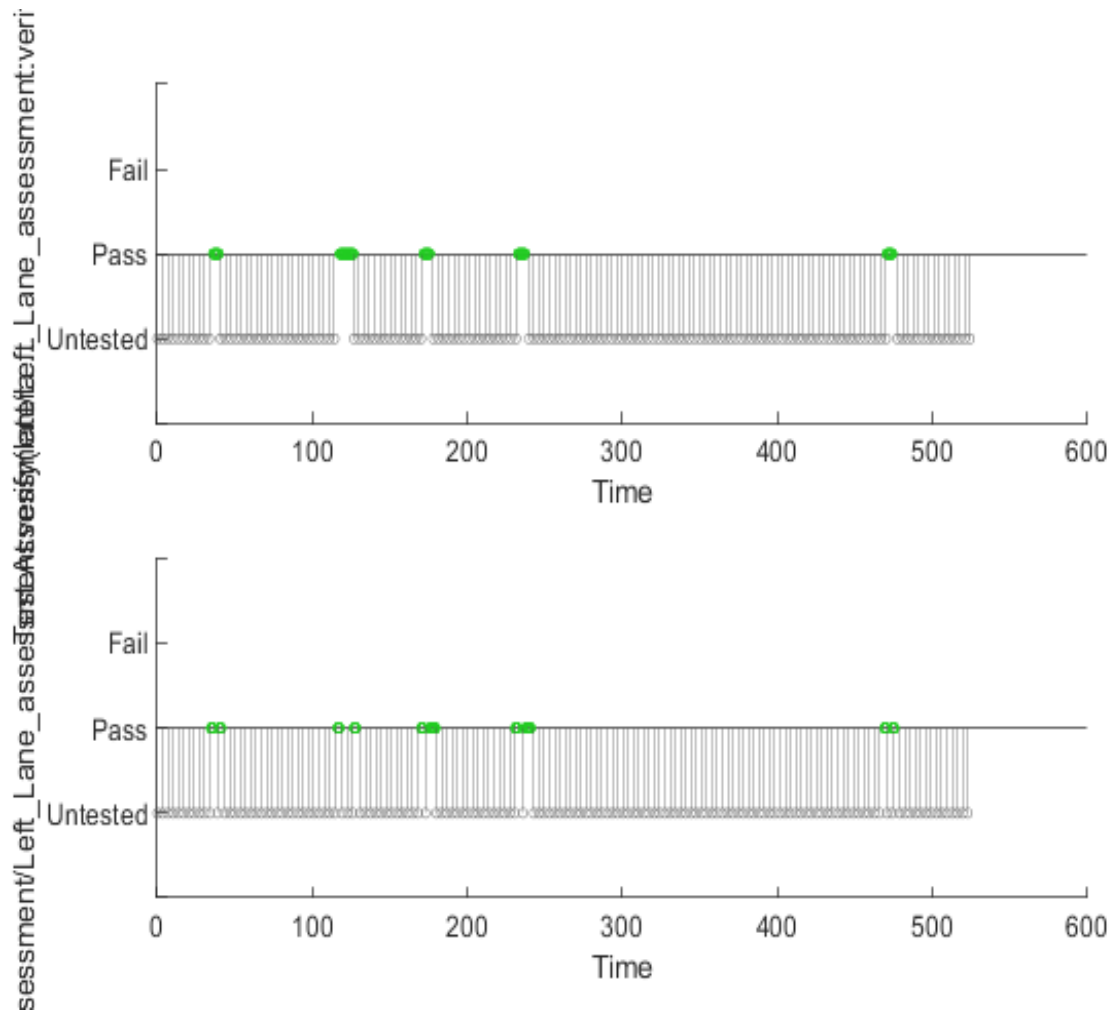
Test Case Information

Name: 70° 100km/h
Type: Simulation Test

Verify Result

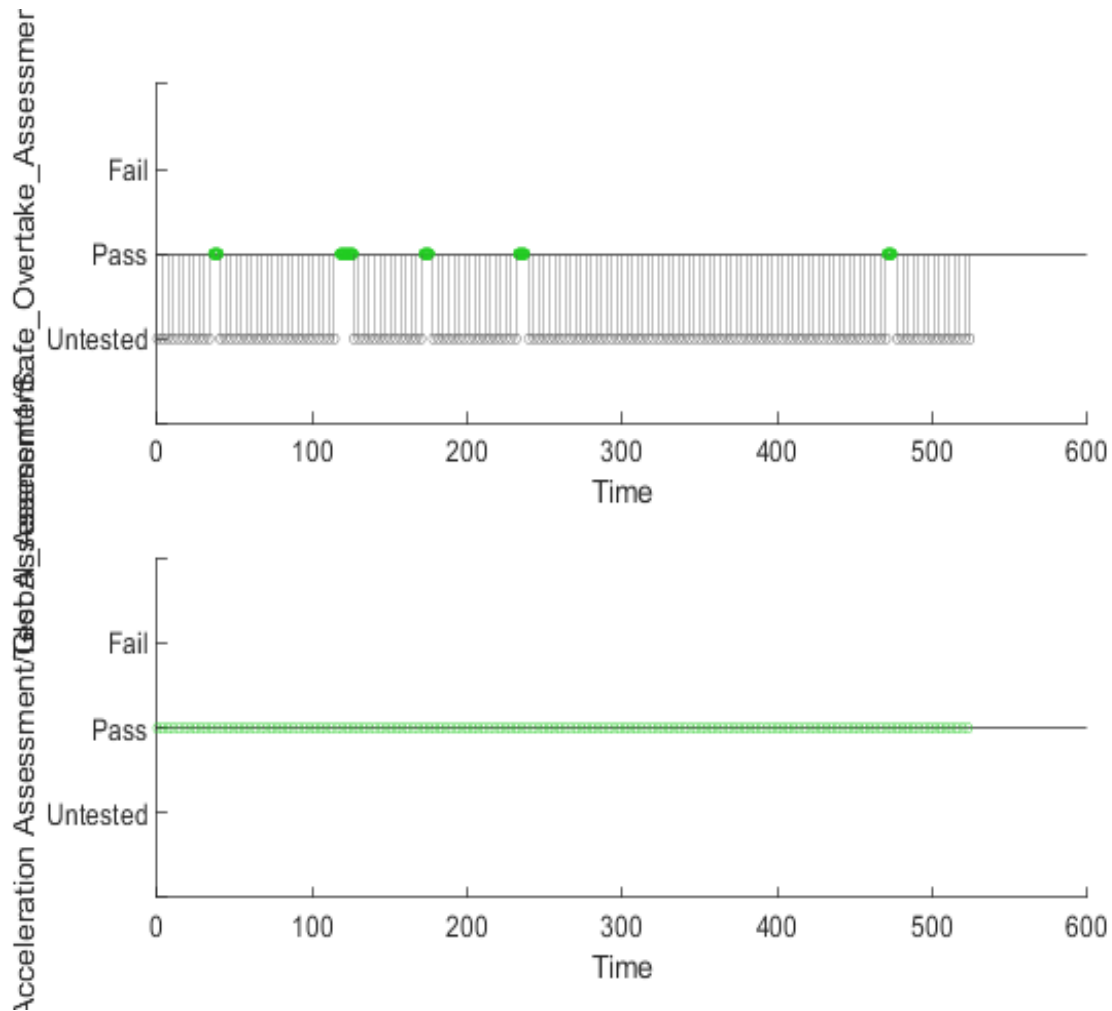
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

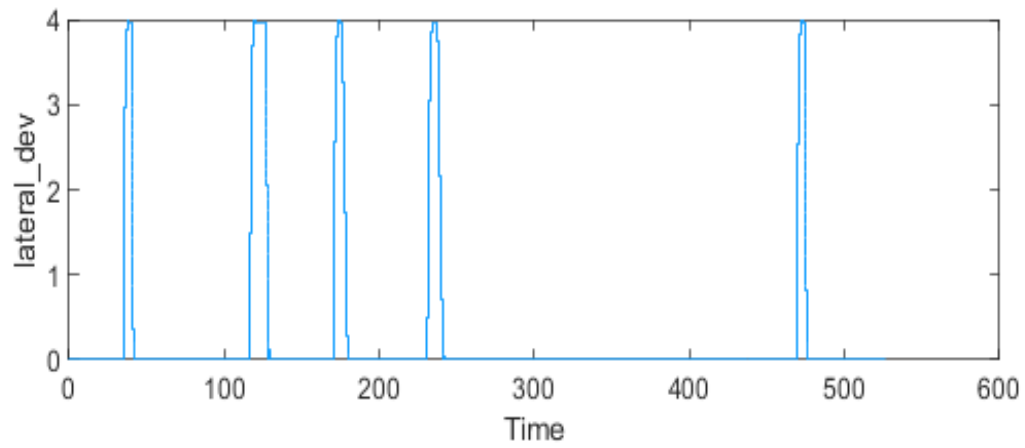
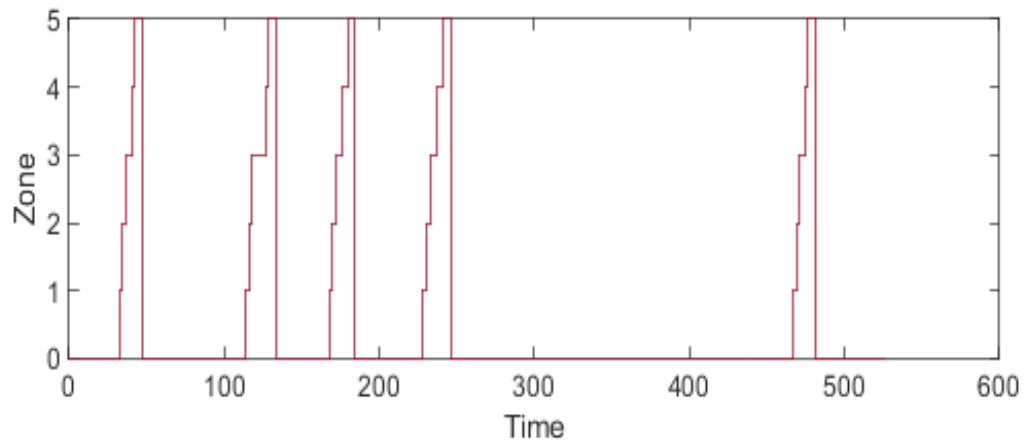
Stop Time:526.20403989327178

Checksum:2704992725 3506233928 2630987403 2765372999

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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90° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:13:47

End Time: 09-Jun-2021 17:14:13
Outcome: Passed

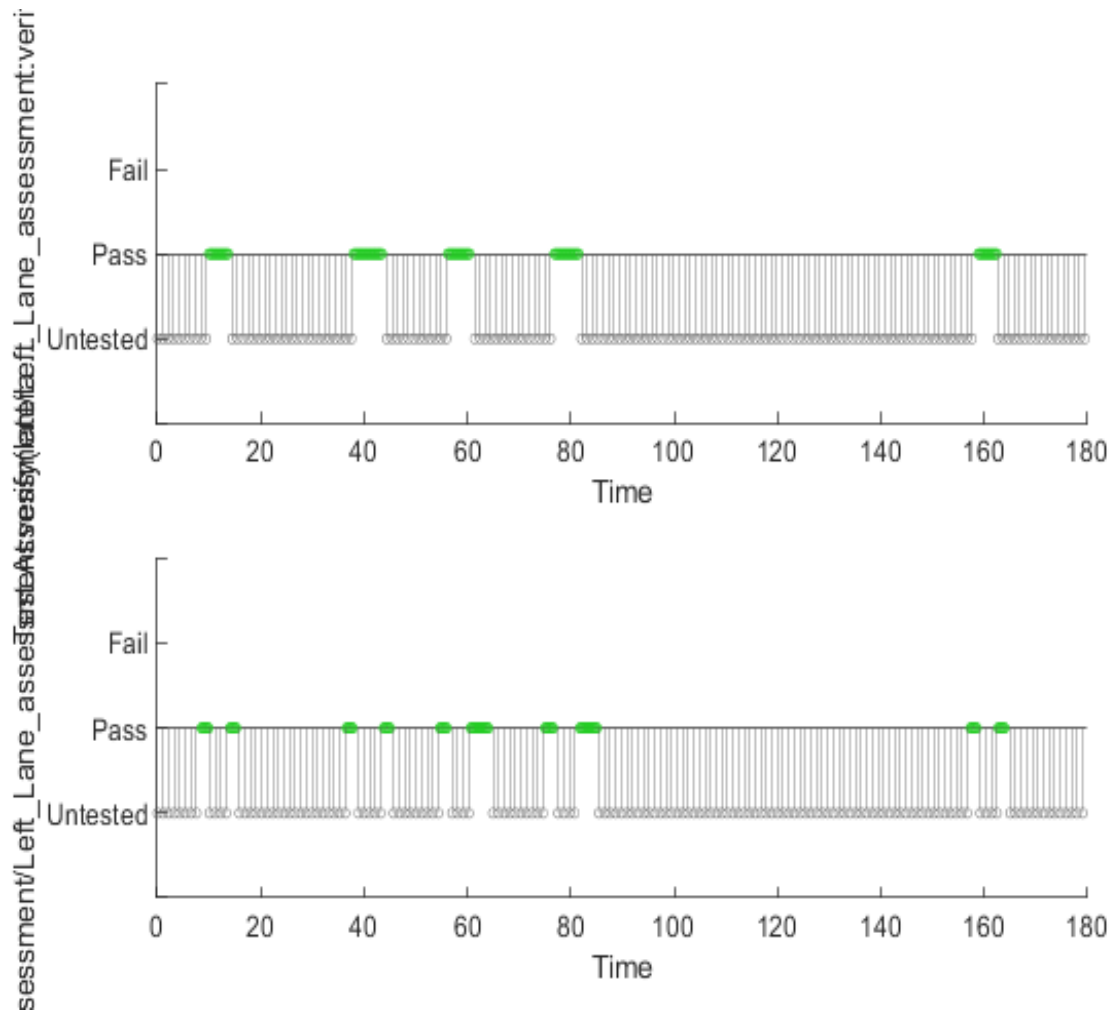
Test Case Information

Name: 90° 100km/h
Type: Simulation Test

Verify Result

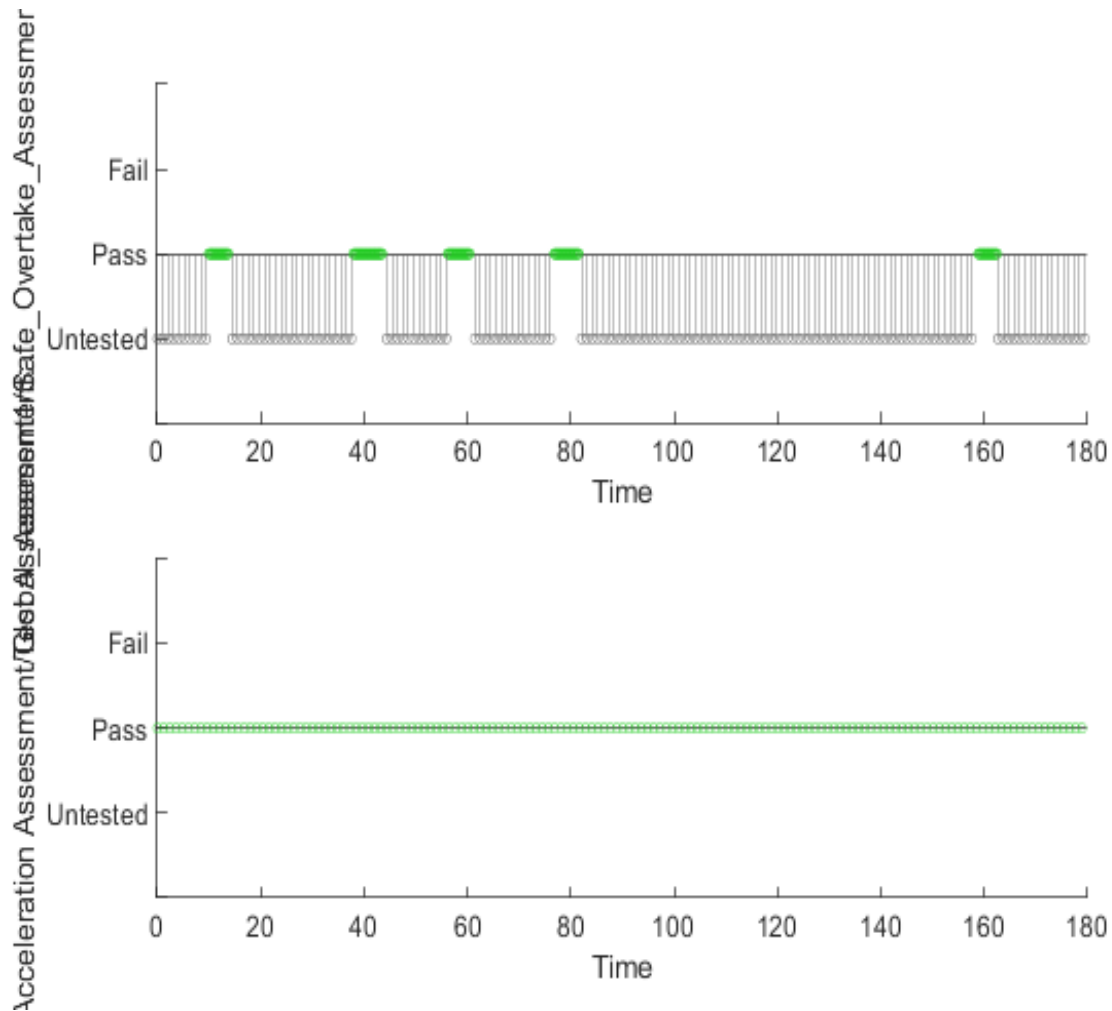
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

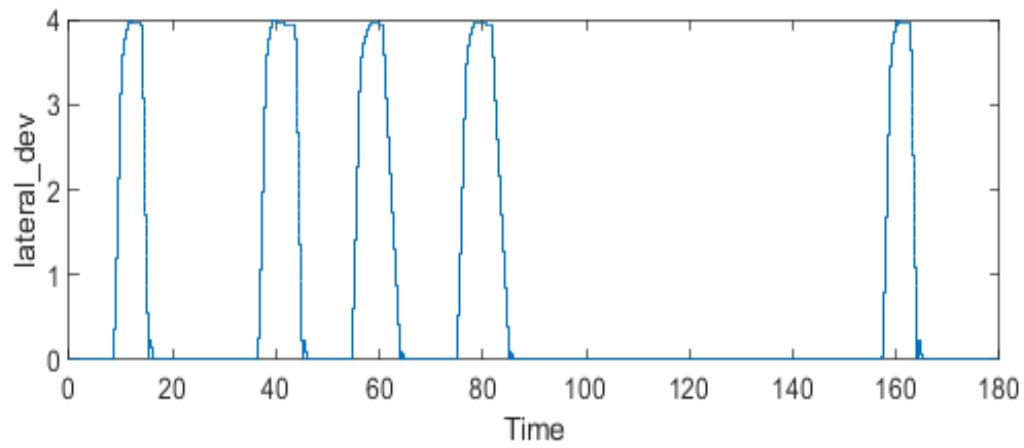
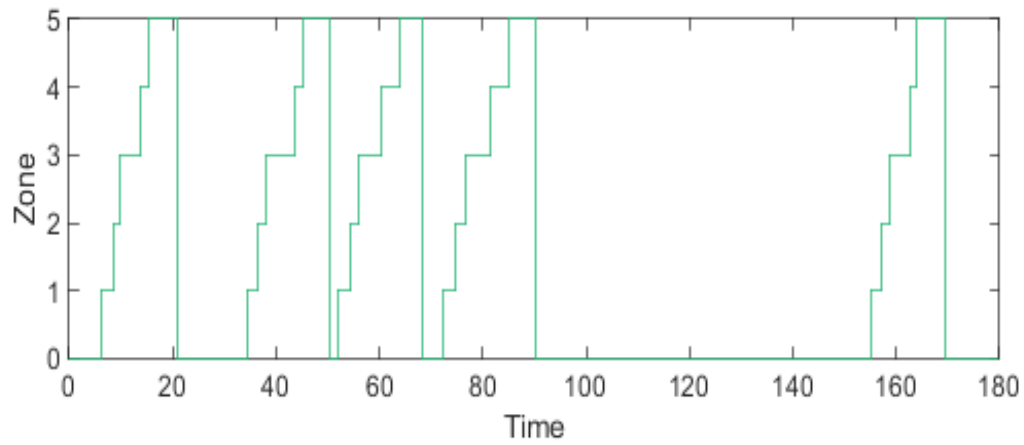
Stop Time:180

Checksum:4055977962 985506375 739289017 1463479181

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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110° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:14:13

End Time: 09-Jun-2021 17:14:39
Outcome: Passed

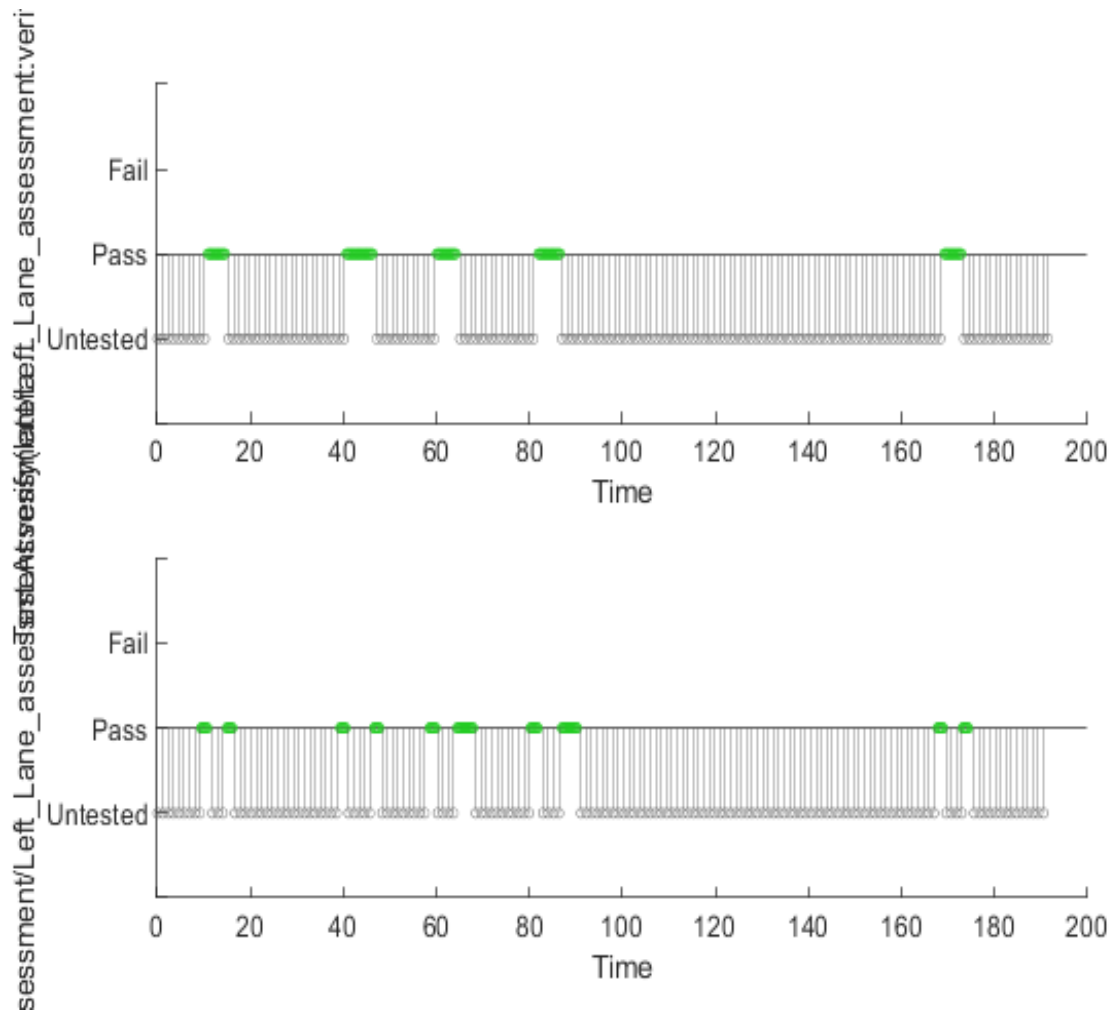
Test Case Information

Name: 110° 100km/h
Type: Simulation Test

Verify Result

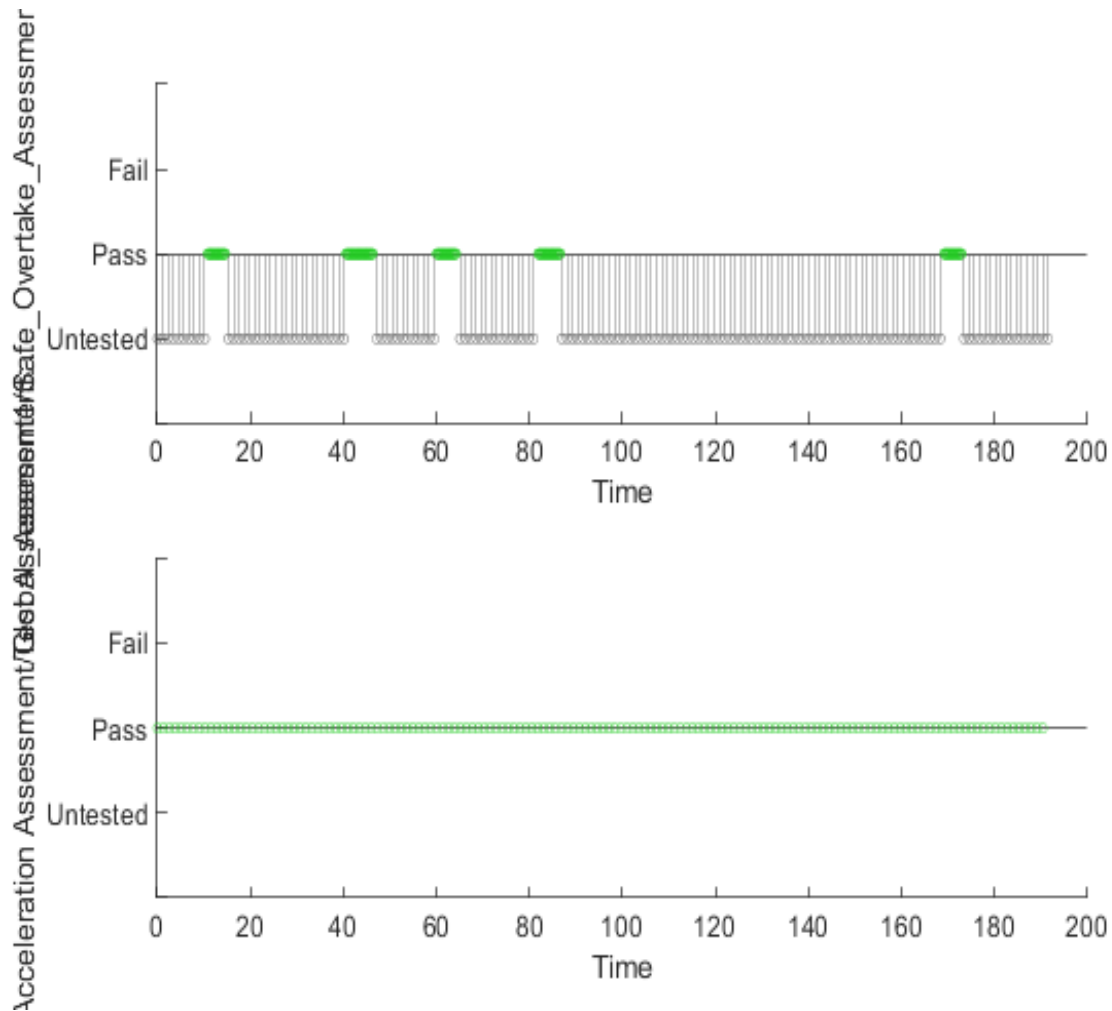
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

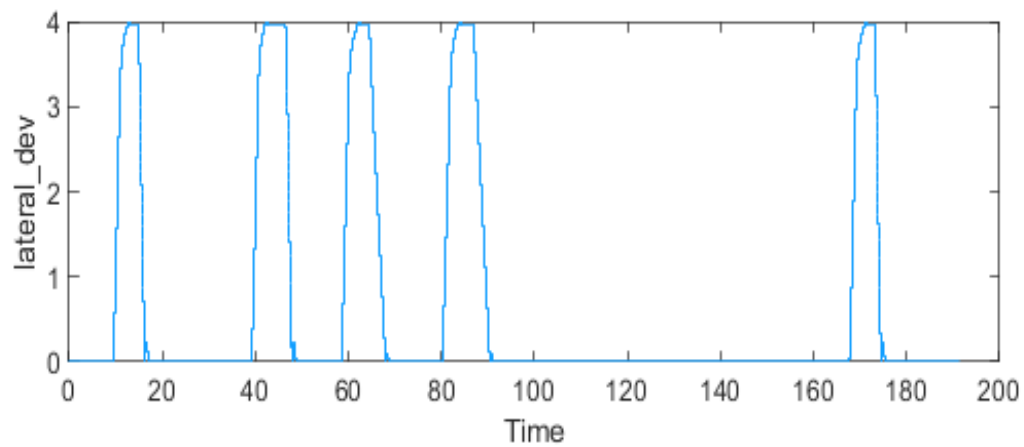
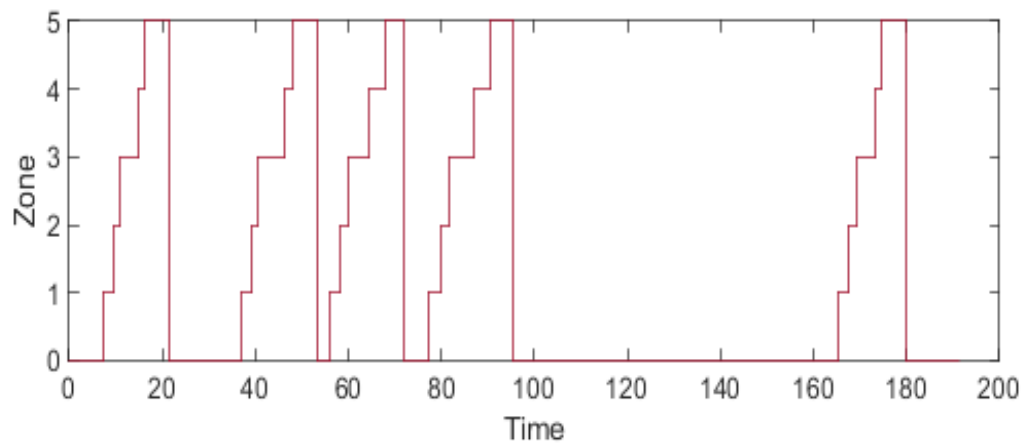
Stop Time:191.55383159832641

Checksum:795497227 1417377670 90652821 1273663688

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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135° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:14:39

End Time: 09-Jun-2021 17:15:24
Outcome: Passed

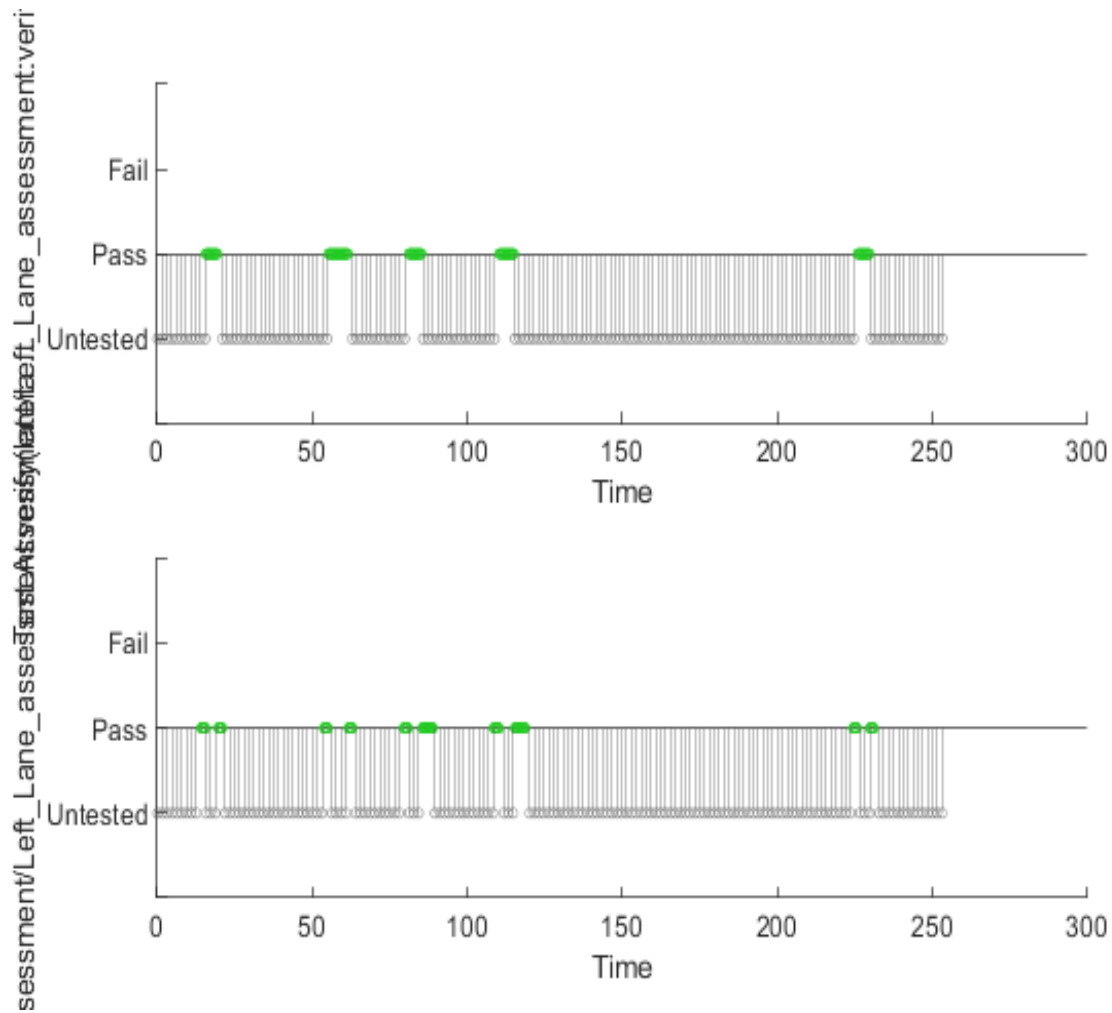
Test Case Information

Name: 135° 100km/h
Type: Simulation Test

Verify Result

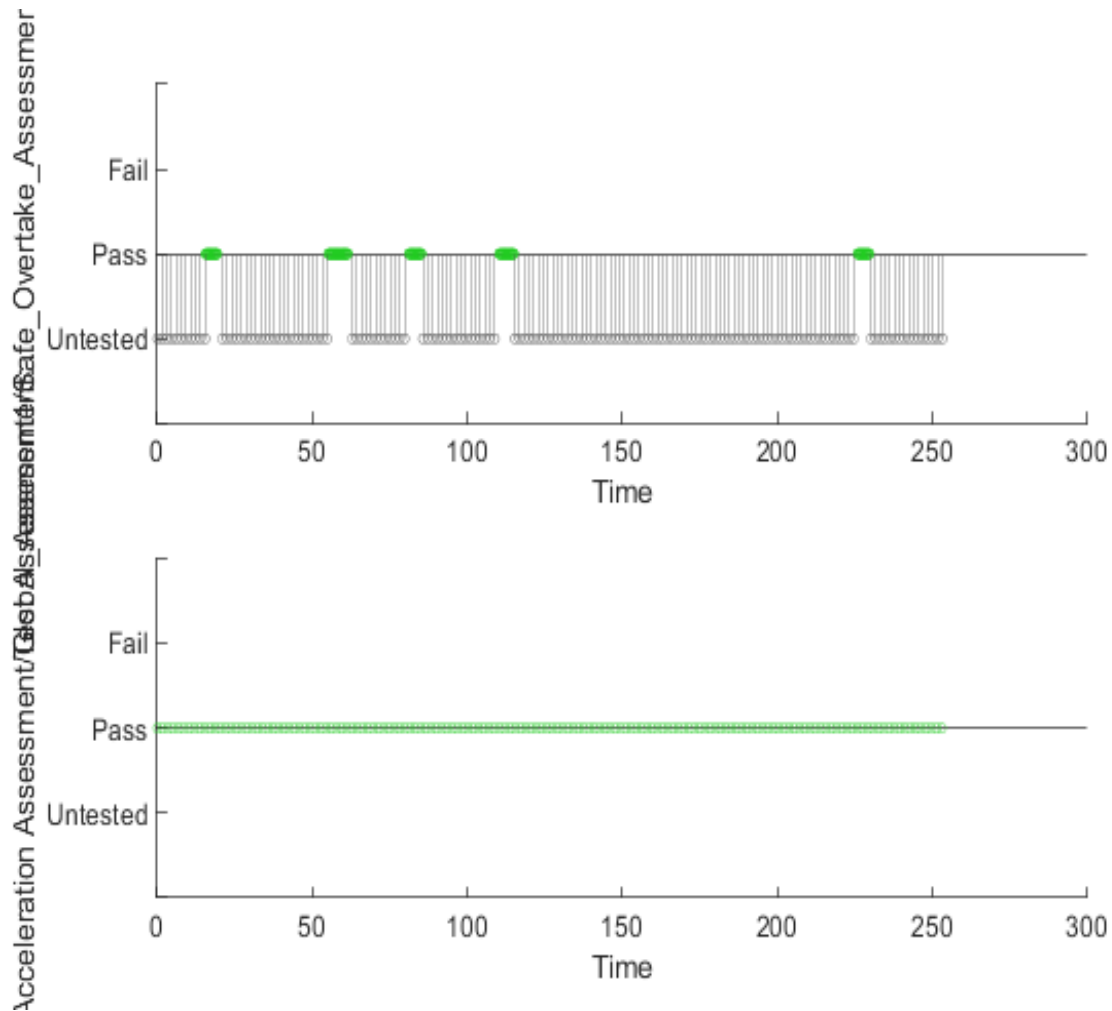
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

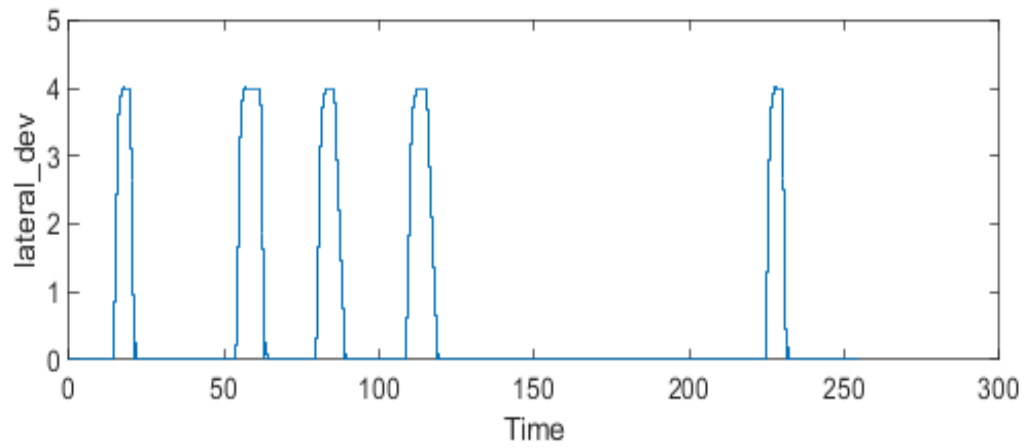
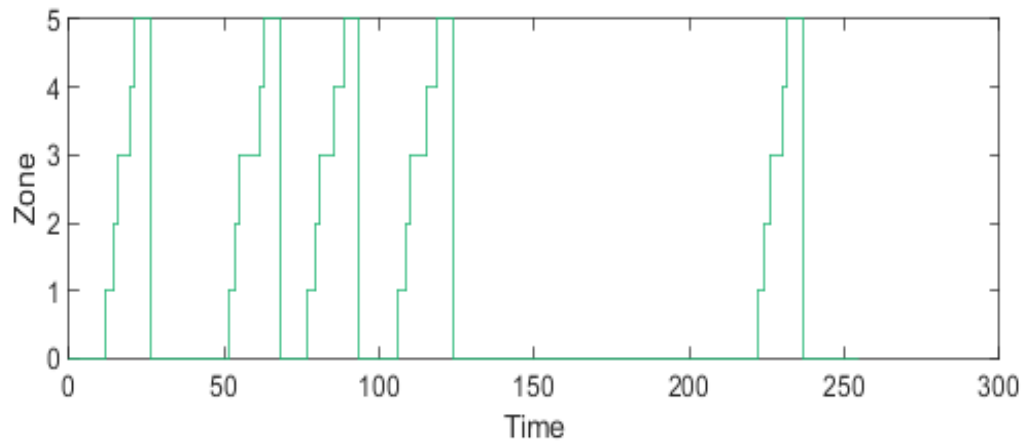
Stop Time:254.55844122715709

Checksum:4212731199 1745535526 3951899521 1477289556

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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160° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:15:24

End Time: 09-Jun-2021 17:17:11
Outcome: Passed

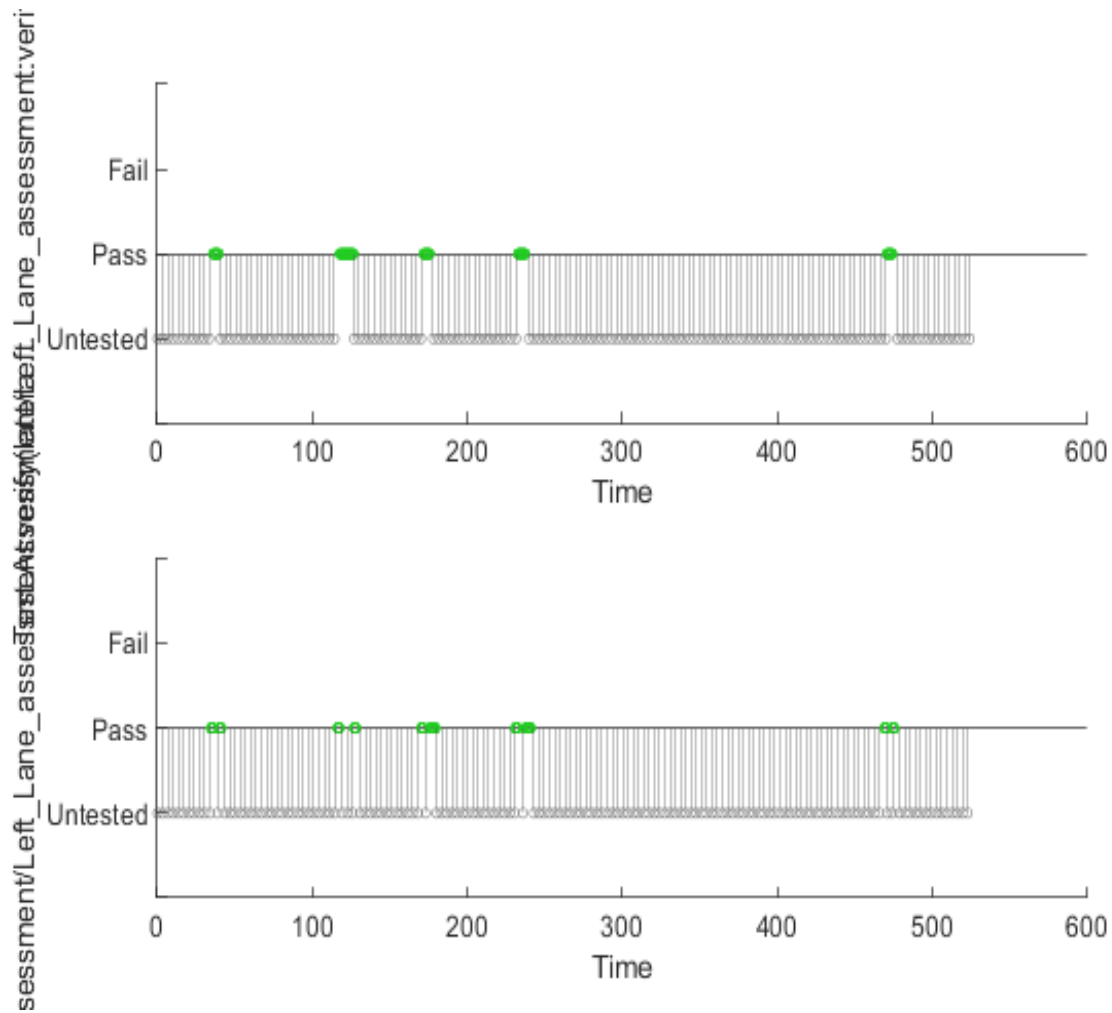
Test Case Information

Name: 160° 100km/h
Type: Simulation Test

Verify Result

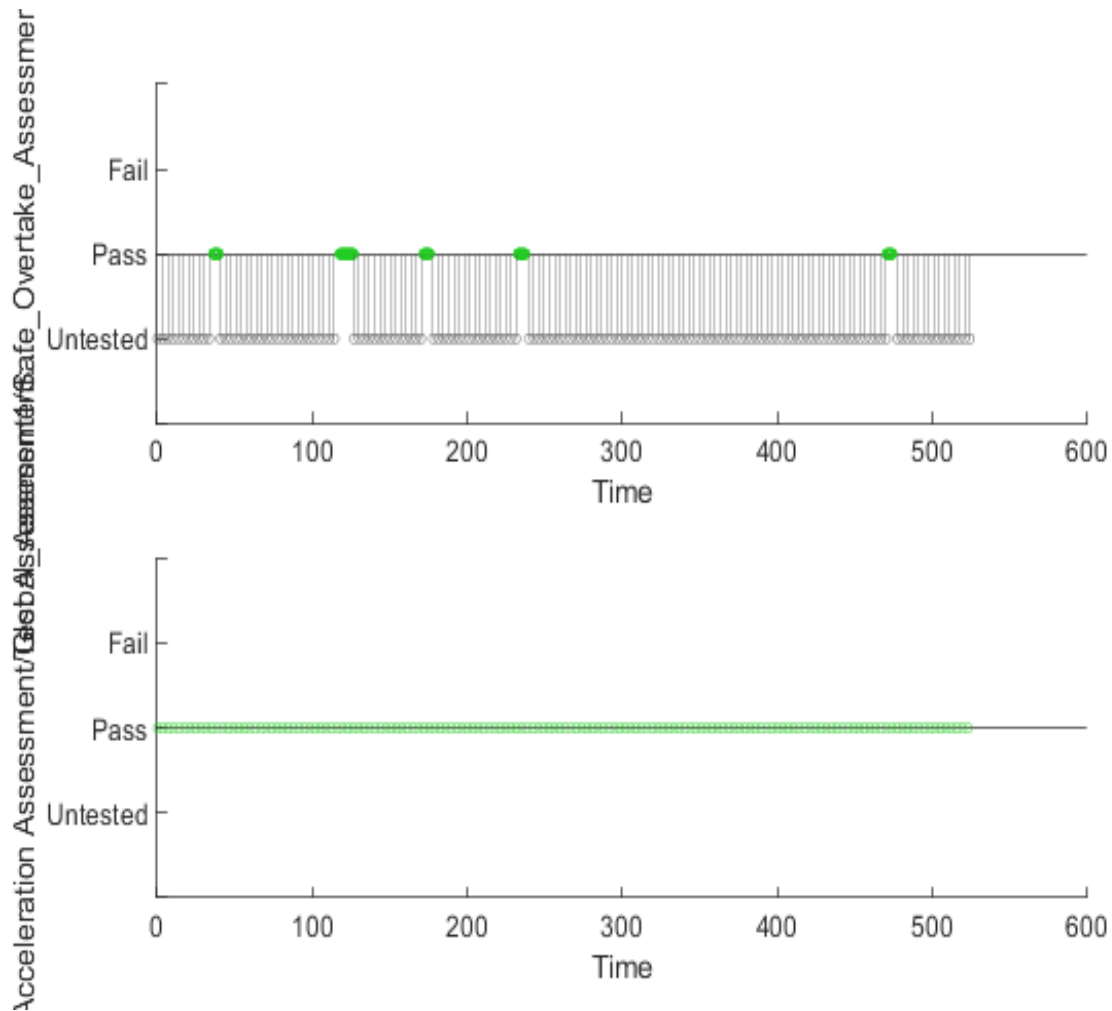
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

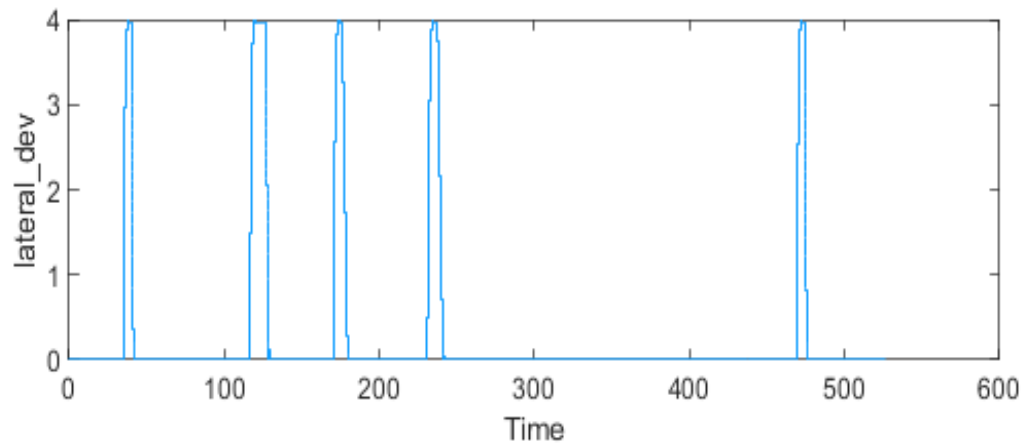
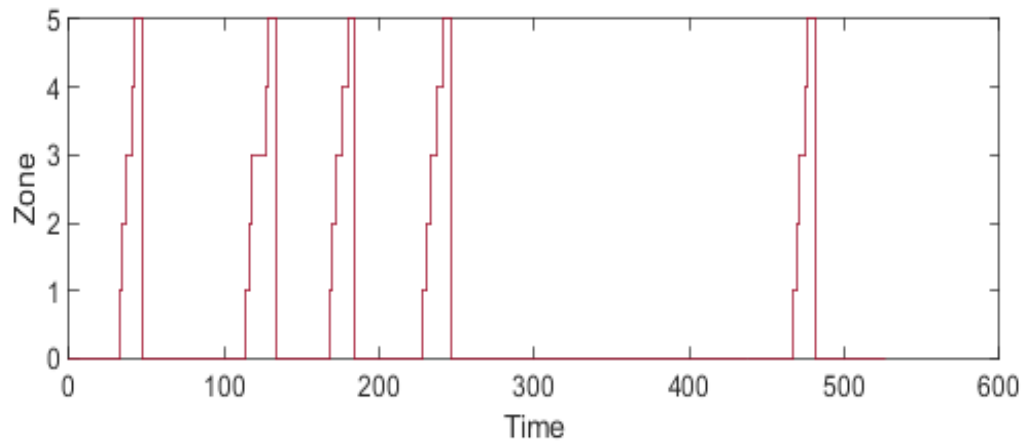
Stop Time:526.20403989327178

Checksum:2704992725 3506233928 2630987403 2765372999

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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180° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:17:11

End Time: 09-Jun-2021 17:17:39
Outcome: Passed

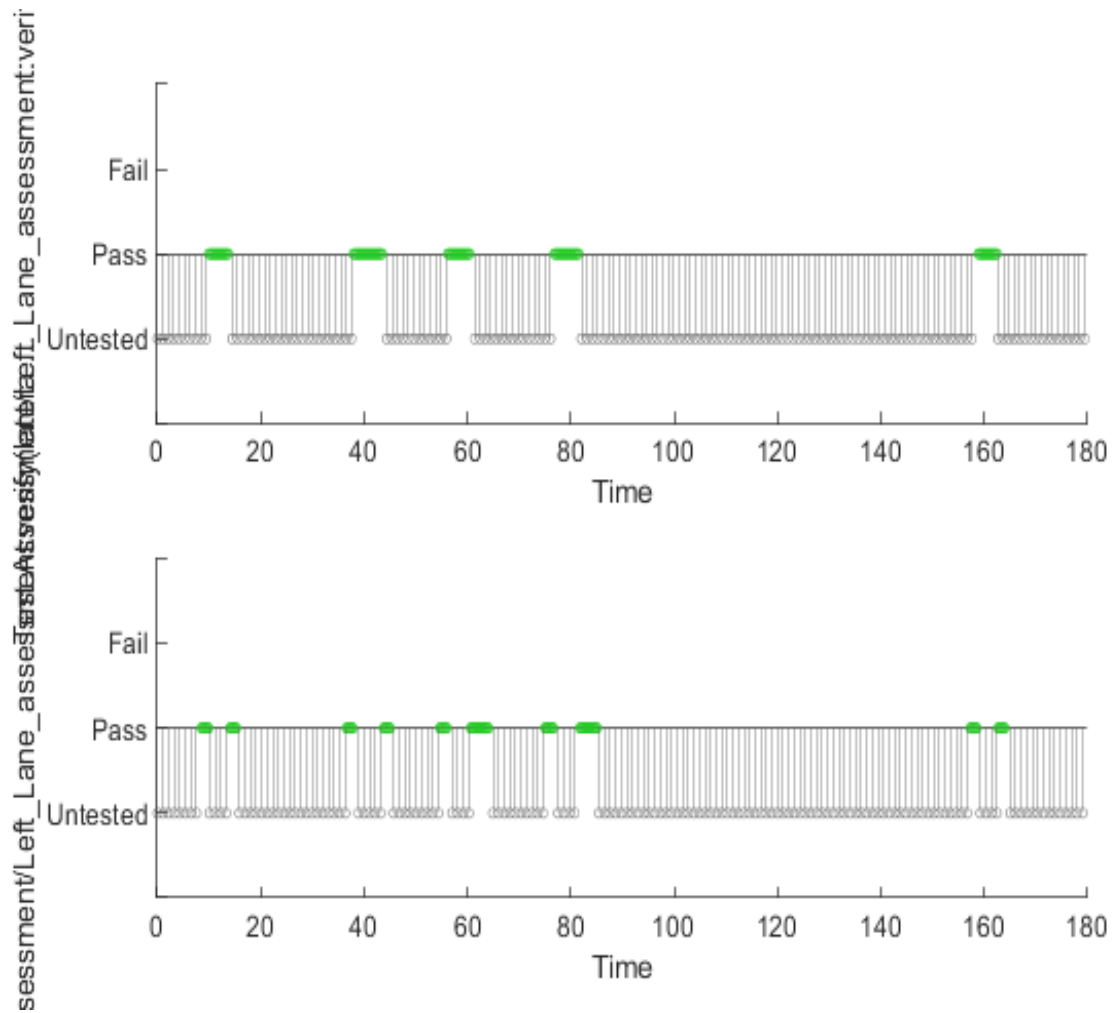
Test Case Information

Name: 180° 100km/h
Type: Simulation Test

Verify Result

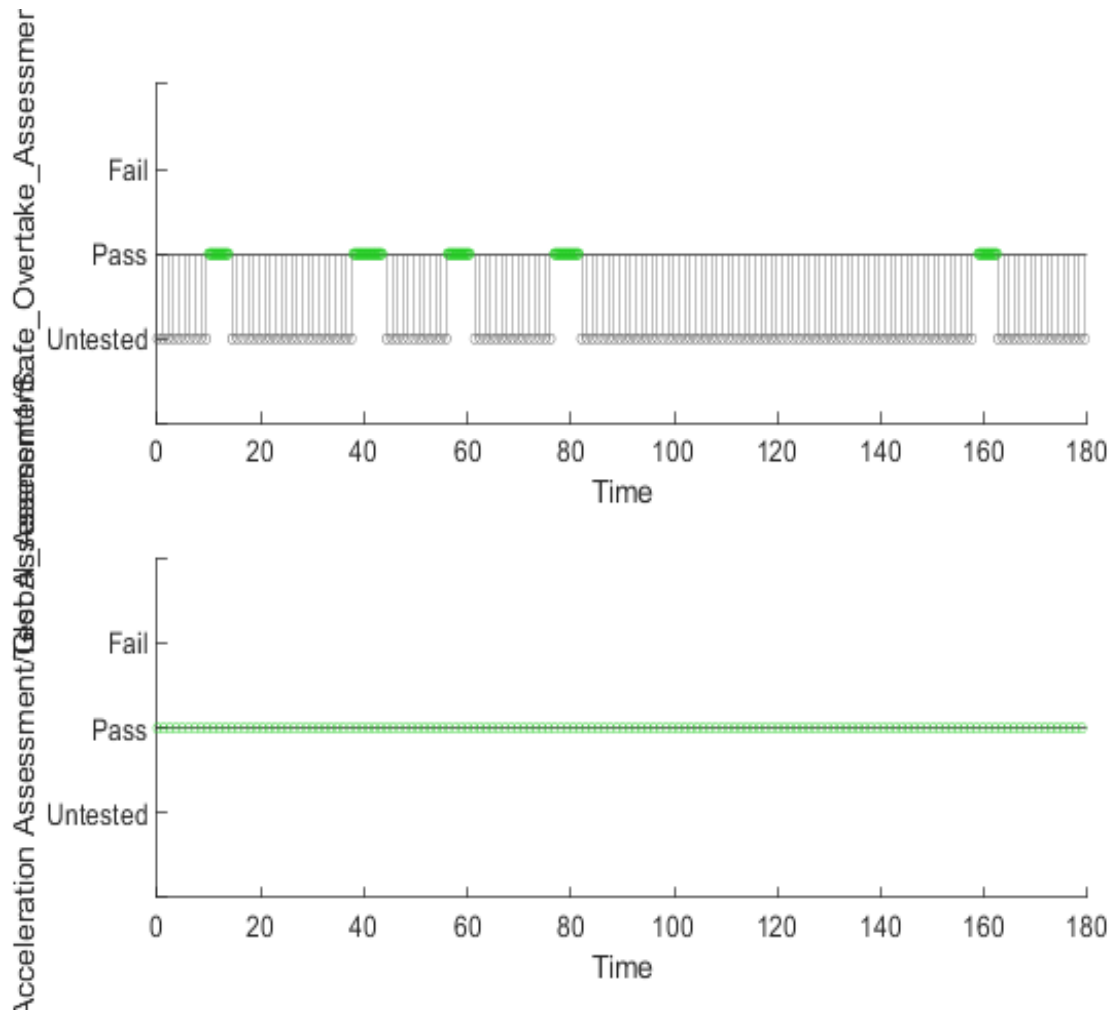
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

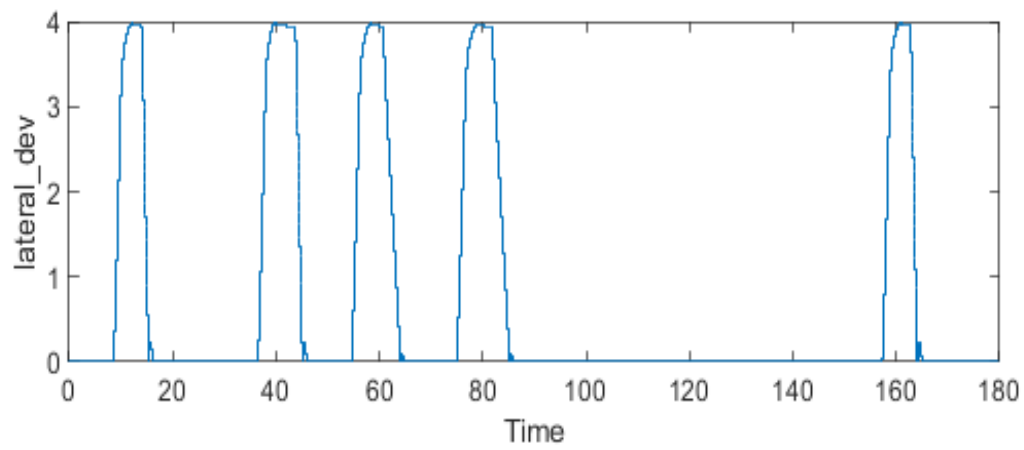
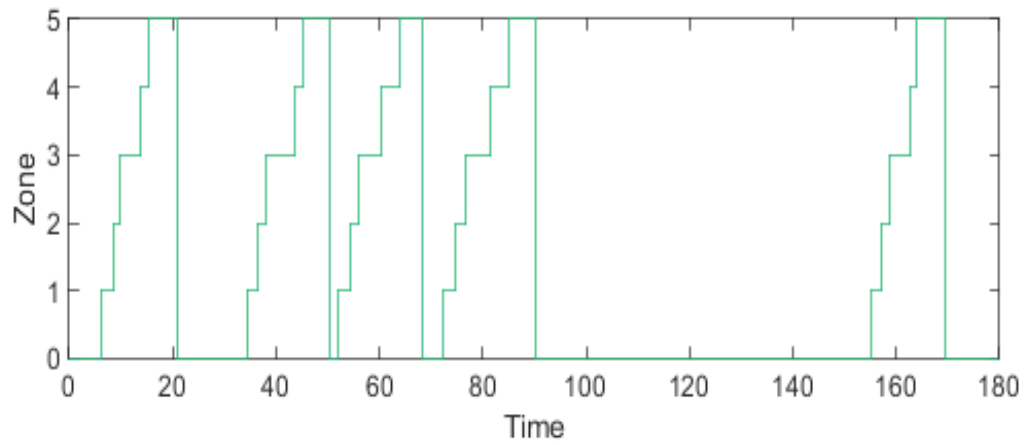
Stop Time:180

Checksum:4055977962 985506375 739289017 1463479181

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-20° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:17:39

End Time: 09-Jun-2021 17:18:11
Outcome: Passed

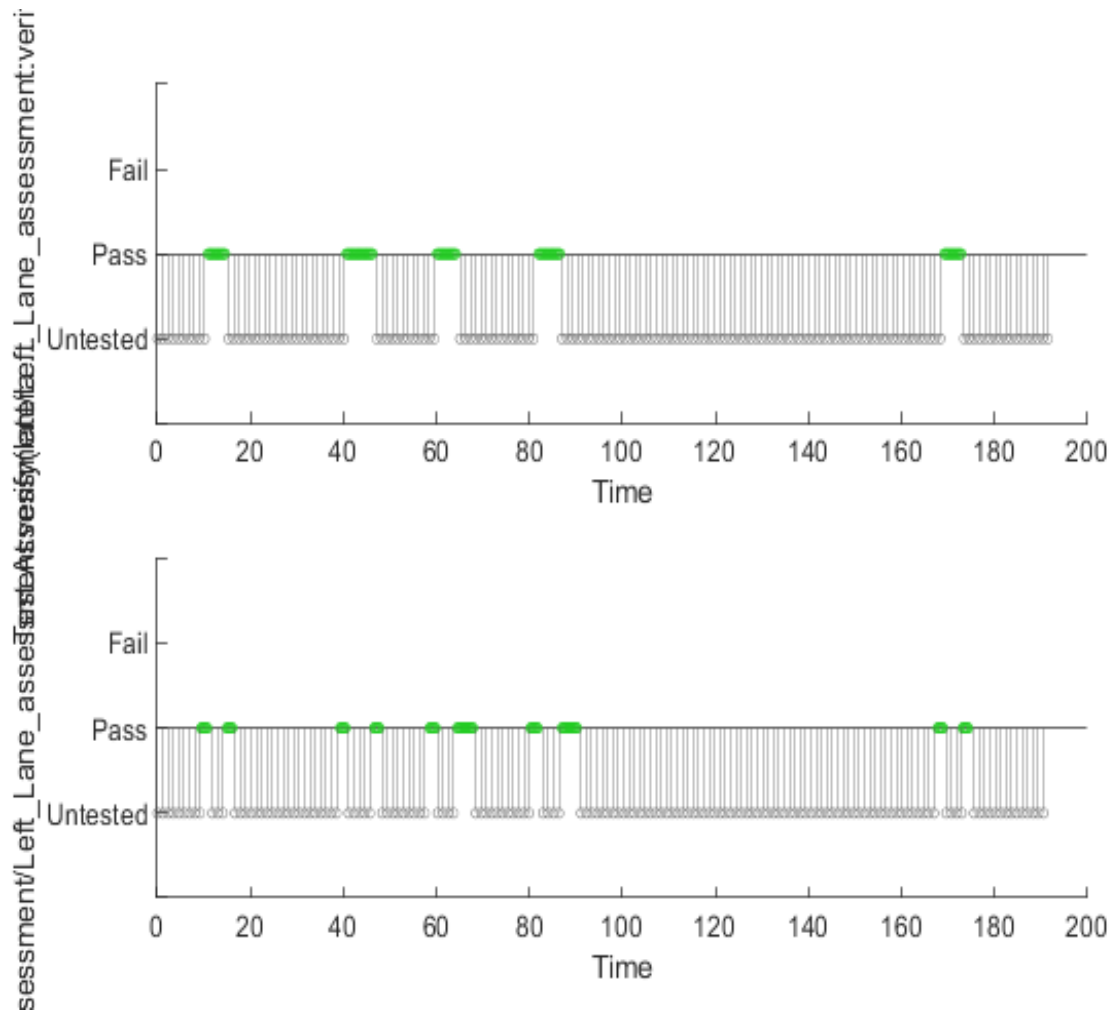
Test Case Information

Name: -20° 100km/h
Type: Simulation Test

Verify Result

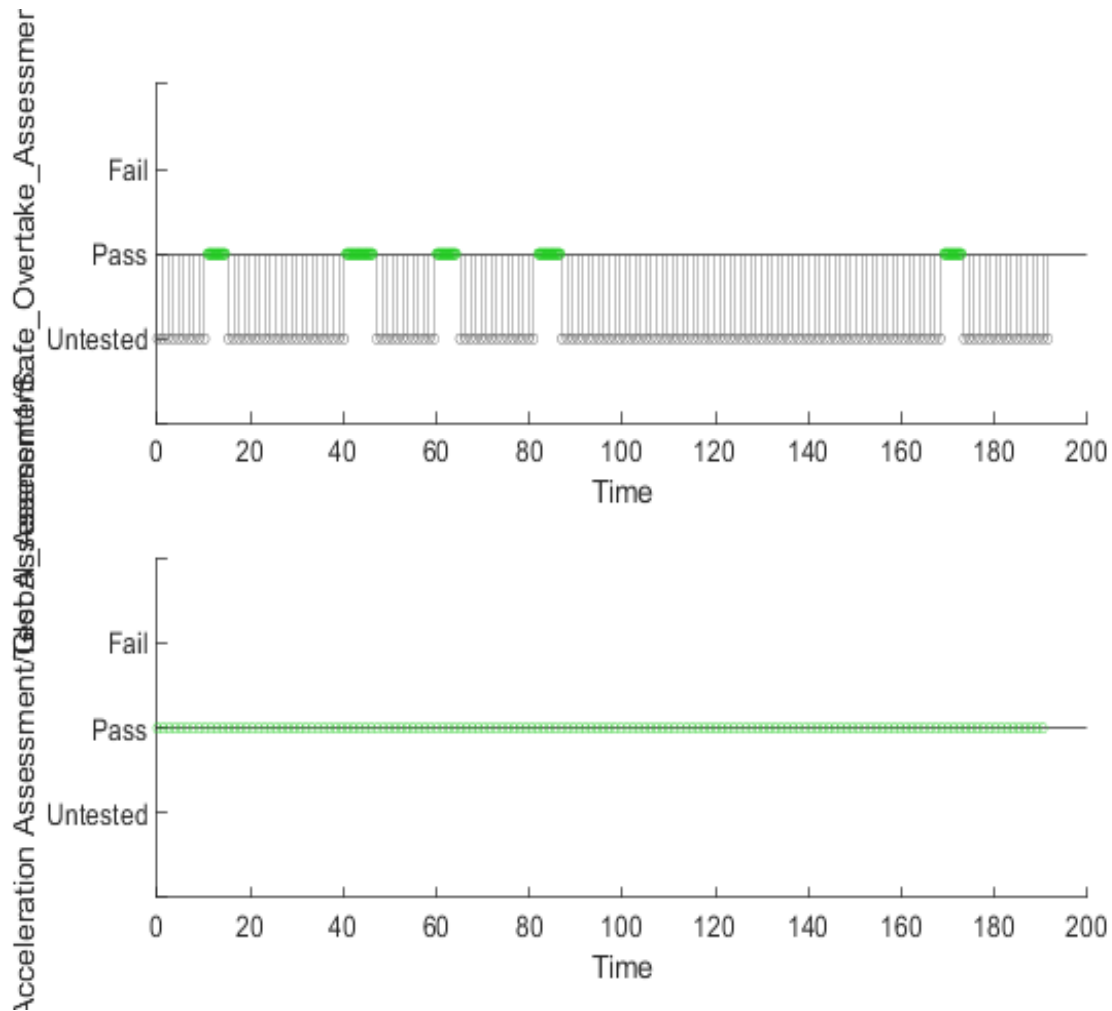
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

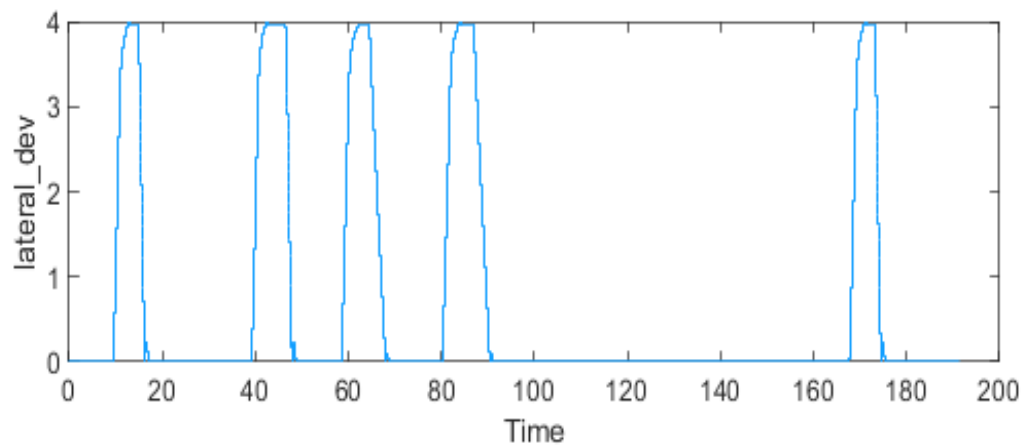
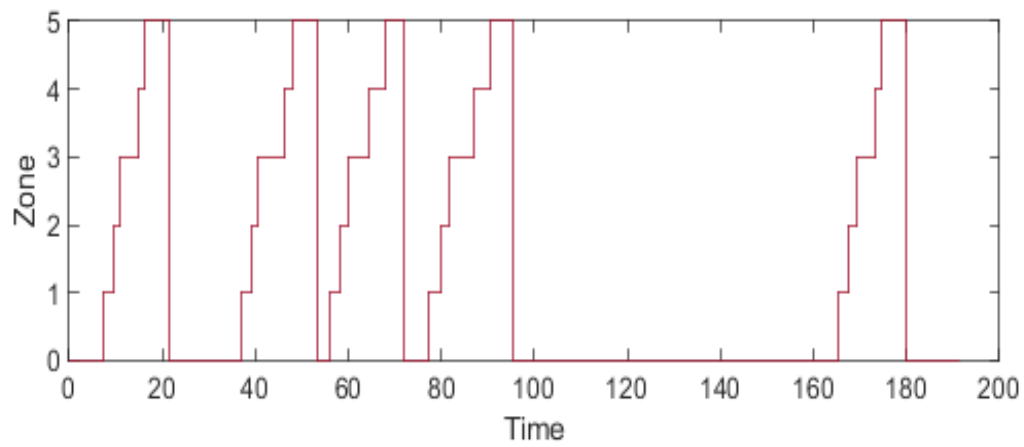
Stop Time:191.55383159832641

Checksum:795497227 1417377670 90652821 1273663688

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-45° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:18:11

End Time: 09-Jun-2021 17:18:52
Outcome: Passed

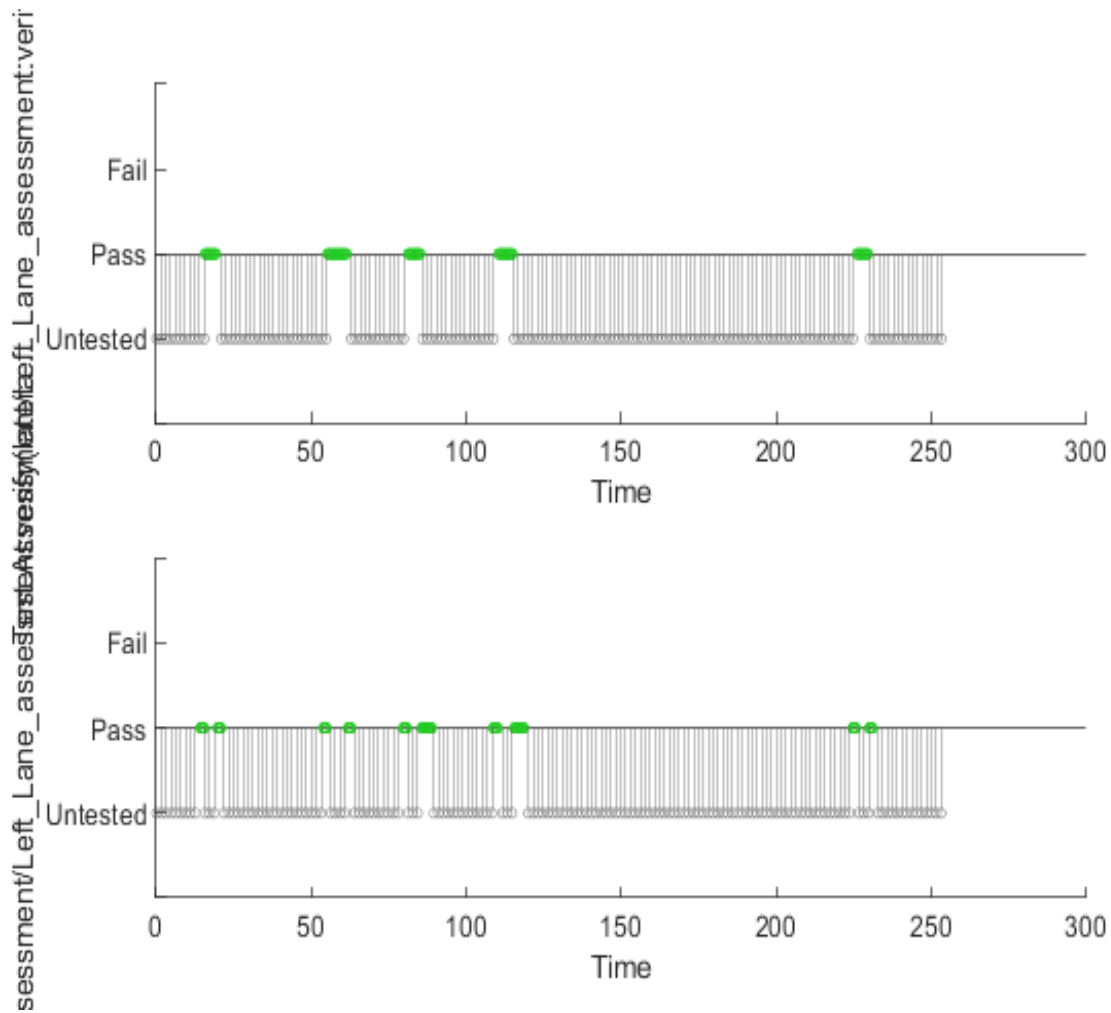
Test Case Information

Name: -45° 100km/h
Type: Simulation Test

Verify Result

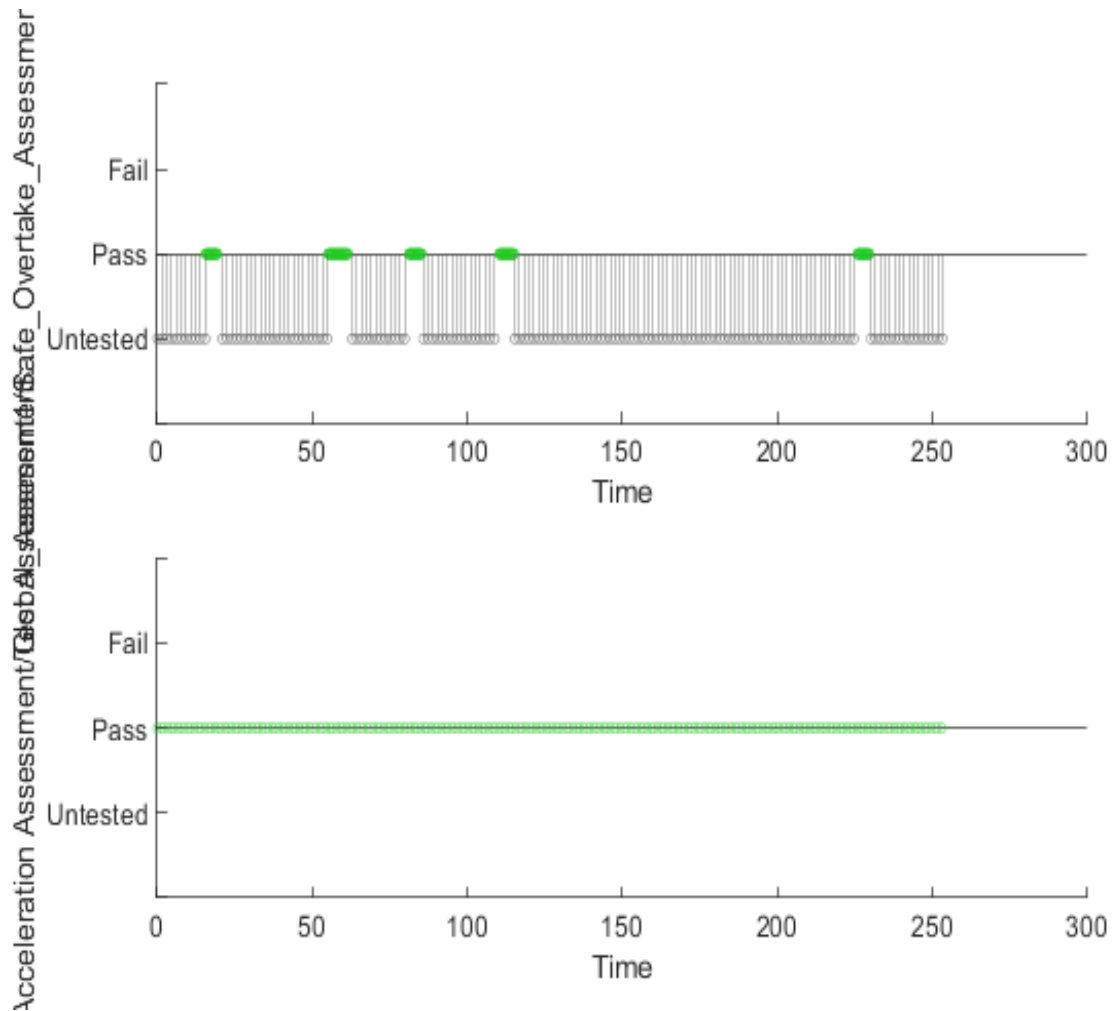
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

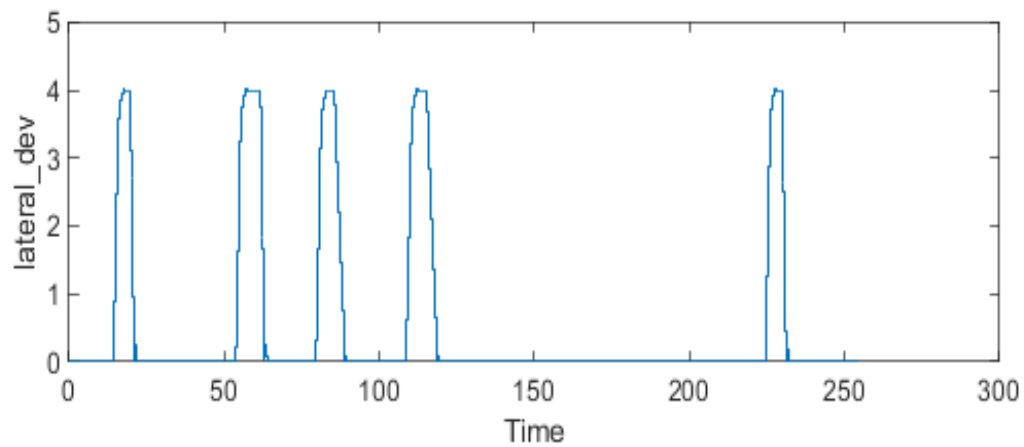
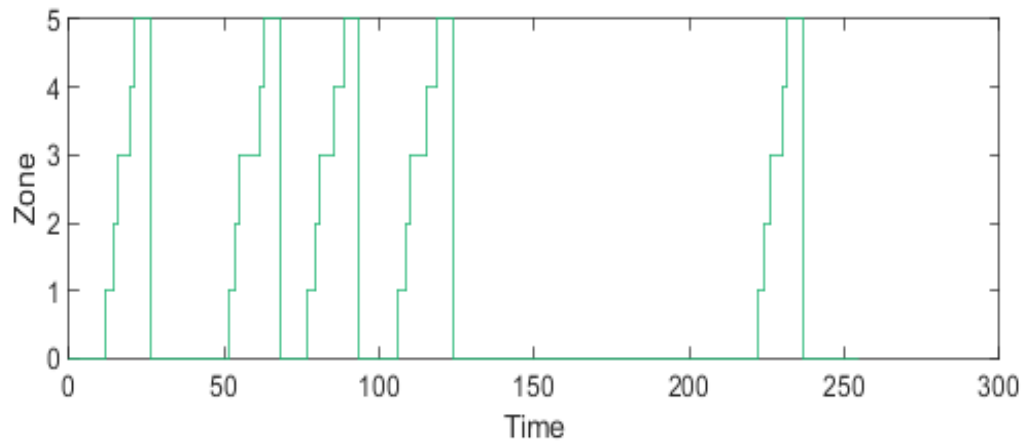
Stop Time:254.55844122715709

Checksum:4212731199 1745535526 3951899521 1477289556

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-70° 100km/h

Test Result Information

Result Type:	Test Case Result
Parent:	Multiple dynamic/static obstacle 100km/h
Start Time:	09-Jun-2021 17:18:52

End Time: 09-Jun-2021 17:21:17
Outcome: Passed

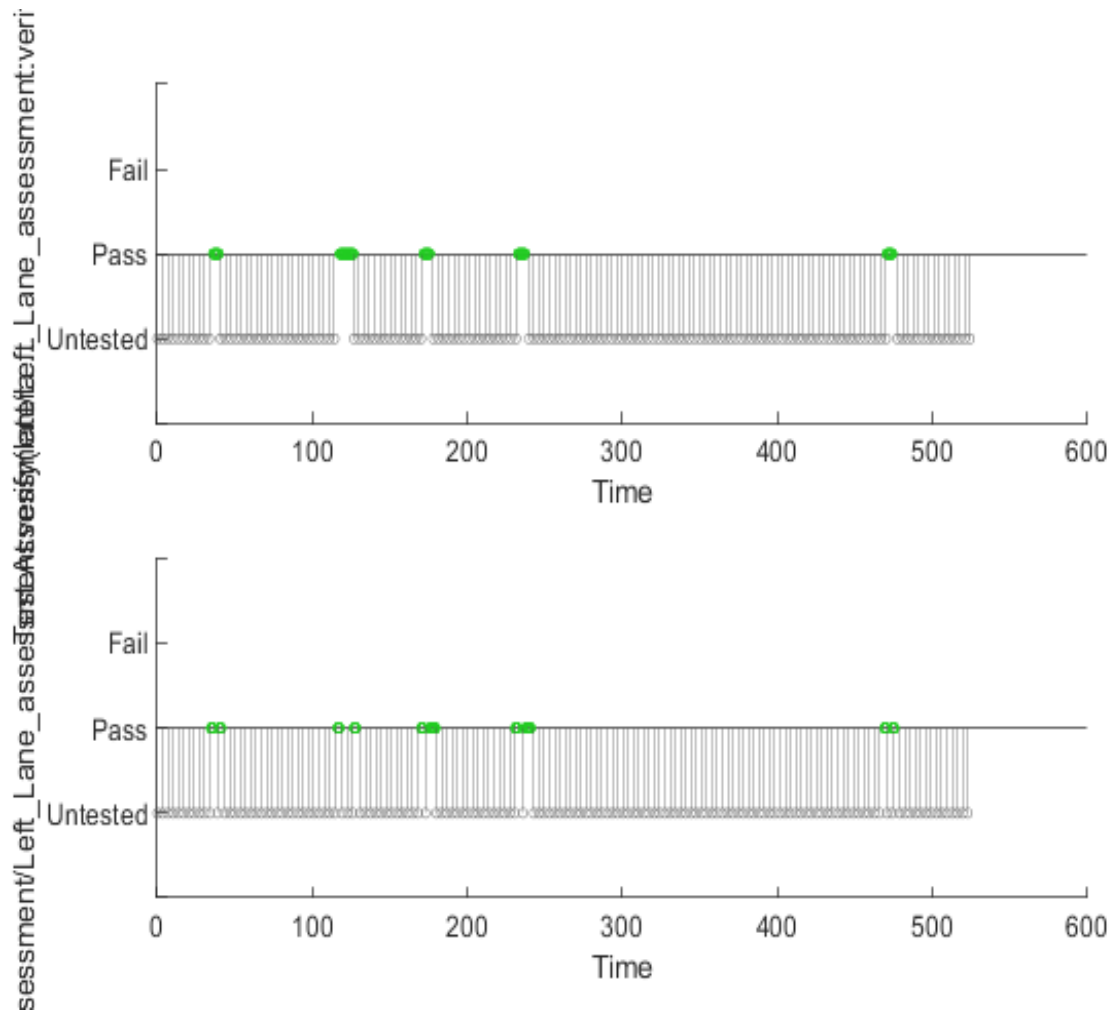
Test Case Information

Name: -70° 100km/h
Type: Simulation Test

Verify Result

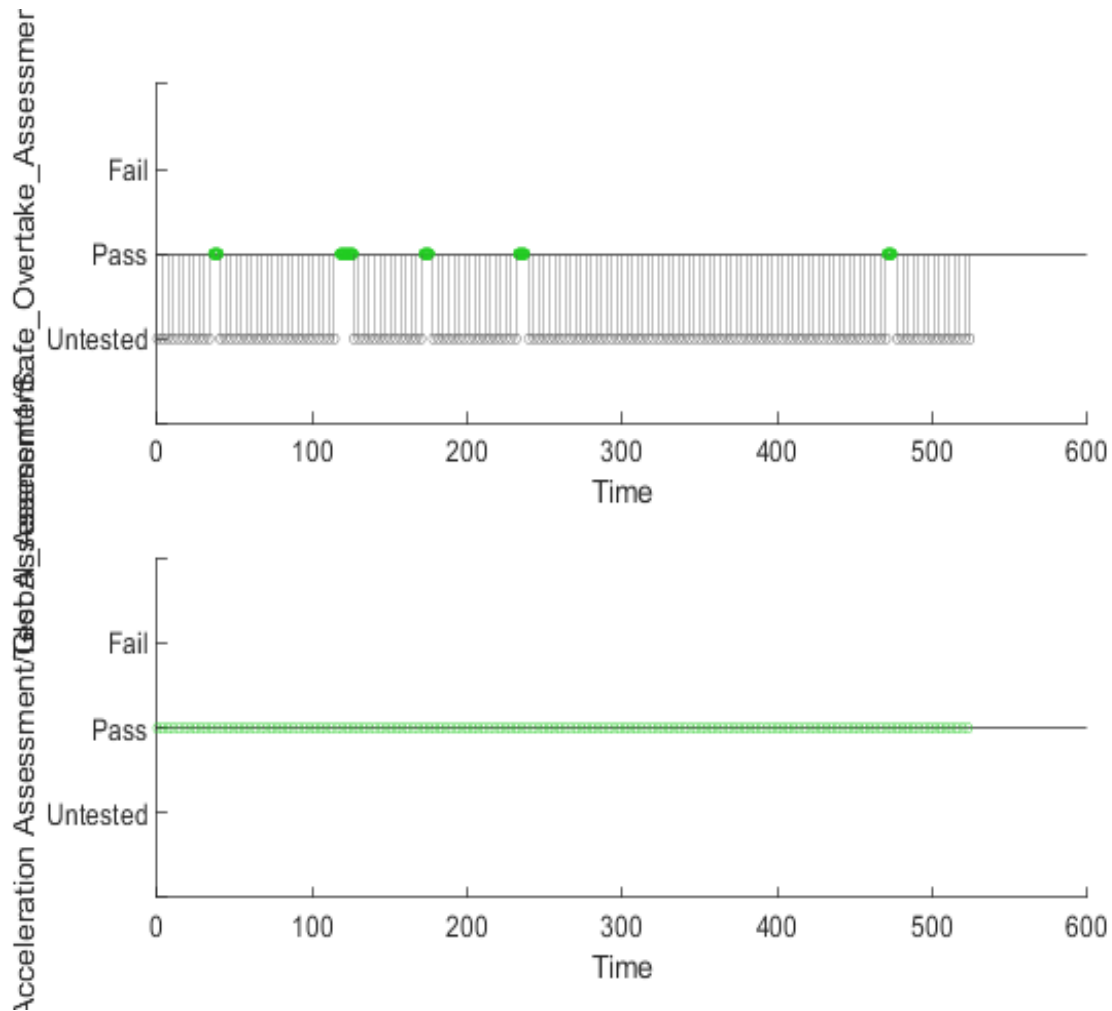
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

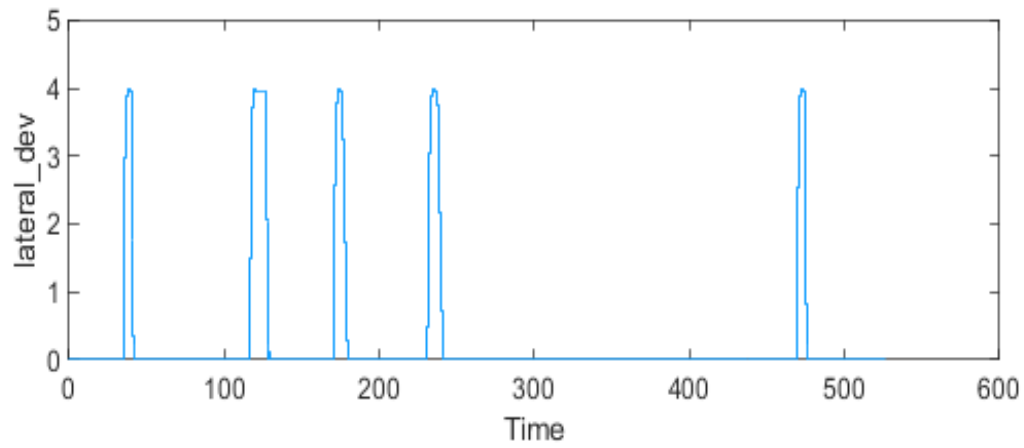
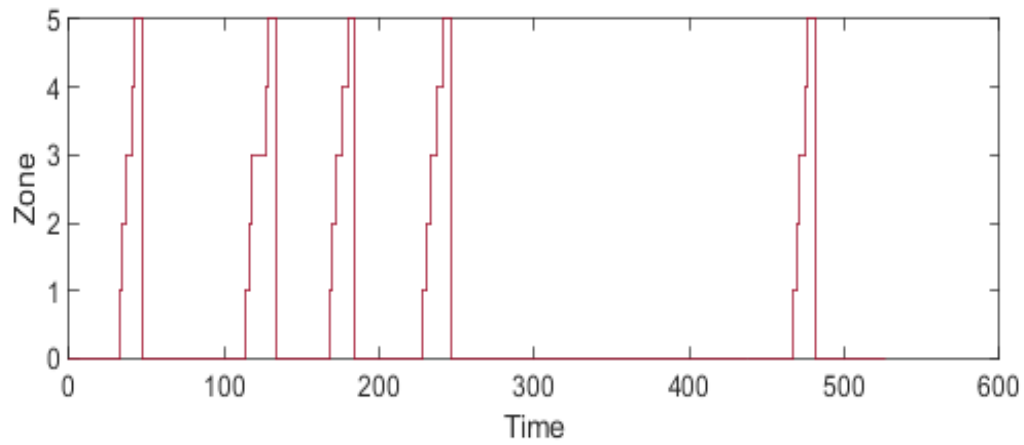
Stop Time:526.20403989327178

Checksum:2704992725 3506233928 2630987403 2765372999

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-90° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 100km/h](#)
Start Time: 09-Jun-2021 17:21:17

End Time: 09-Jun-2021 17:21:52
Outcome: Passed

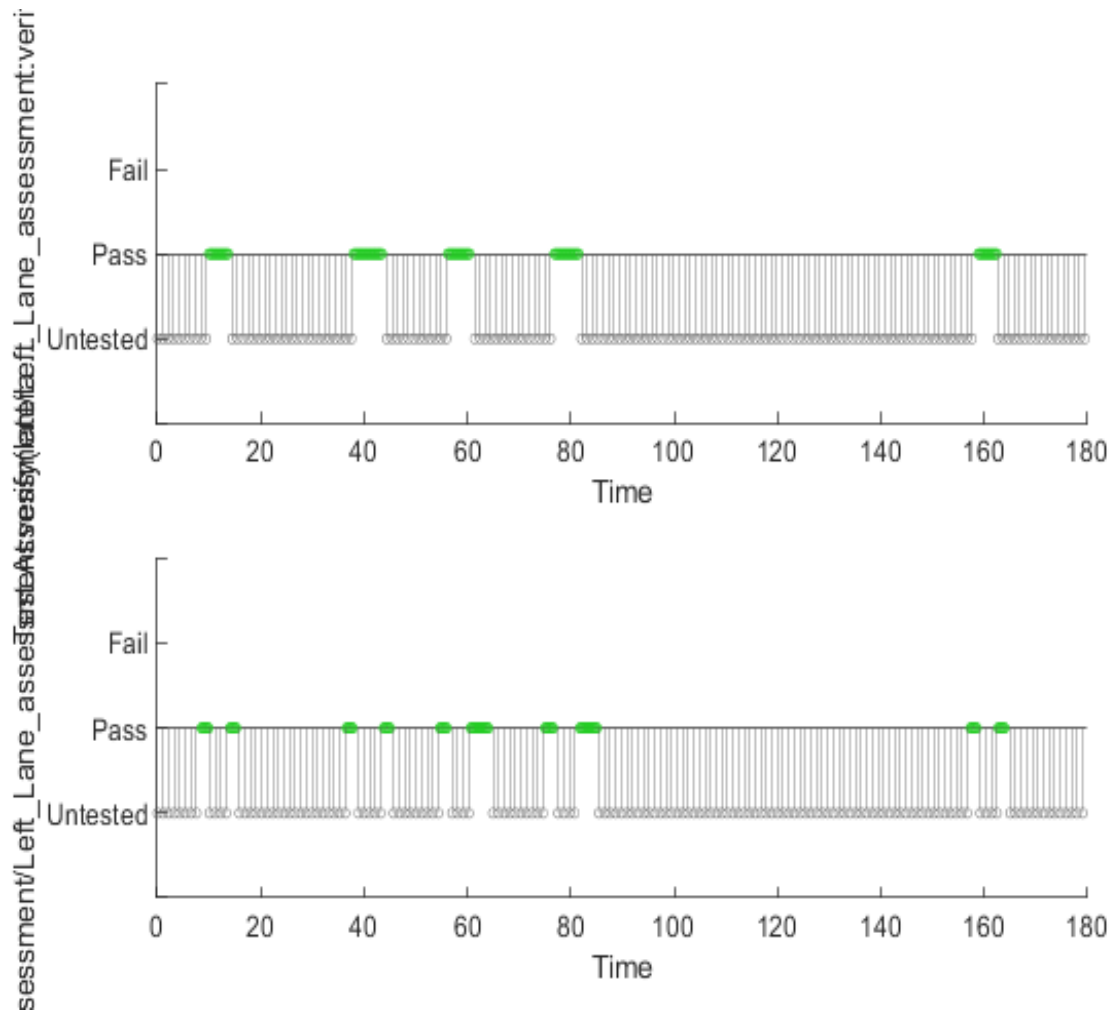
Test Case Information

Name: -90° 100km/h
Type: Simulation Test

Verify Result

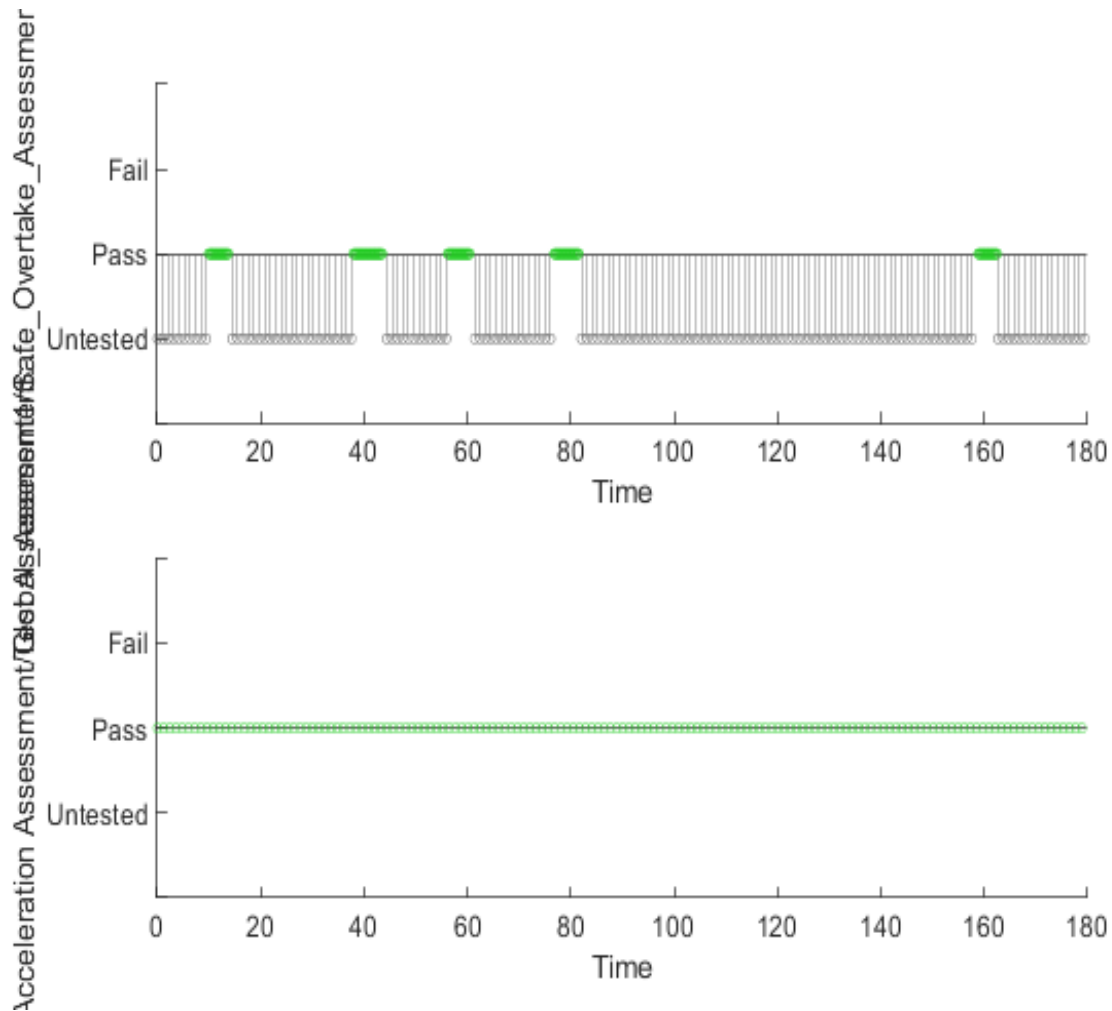
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

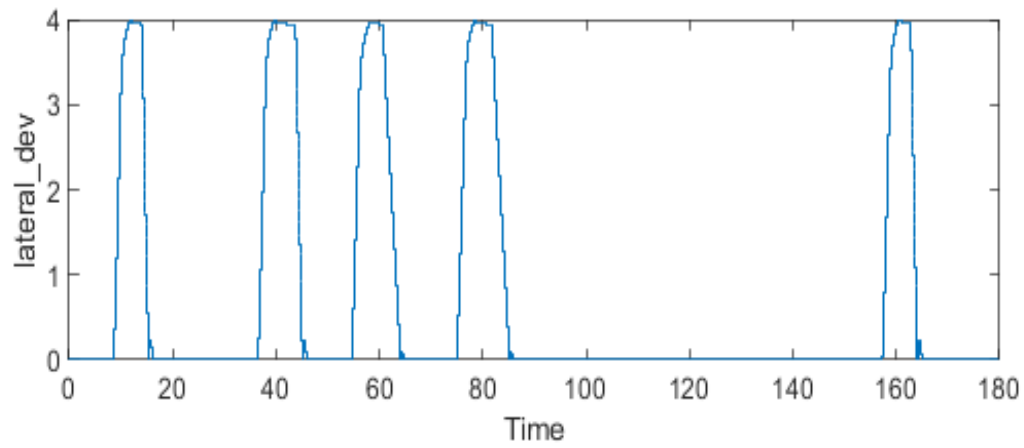
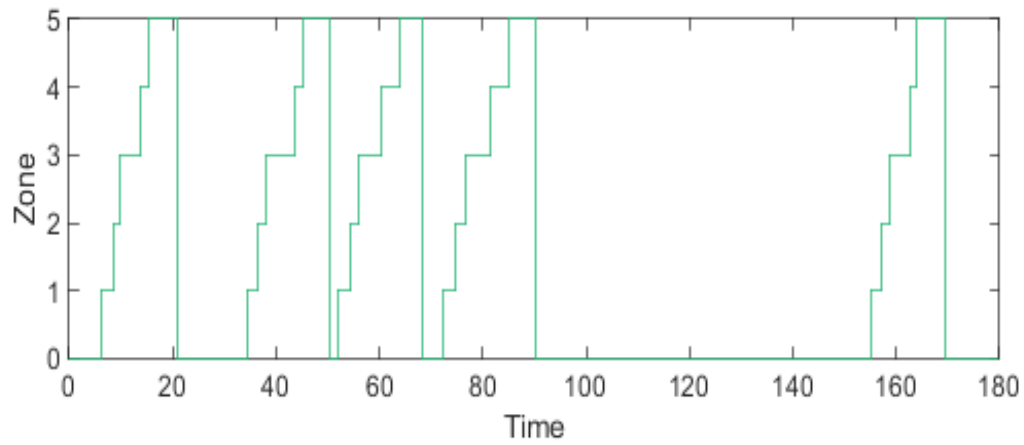
Stop Time:180

Checksum:4055977962 985506375 739289017 1463479181

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-110° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:21:52

End Time: 09-Jun-2021 17:22:29
Outcome: Passed

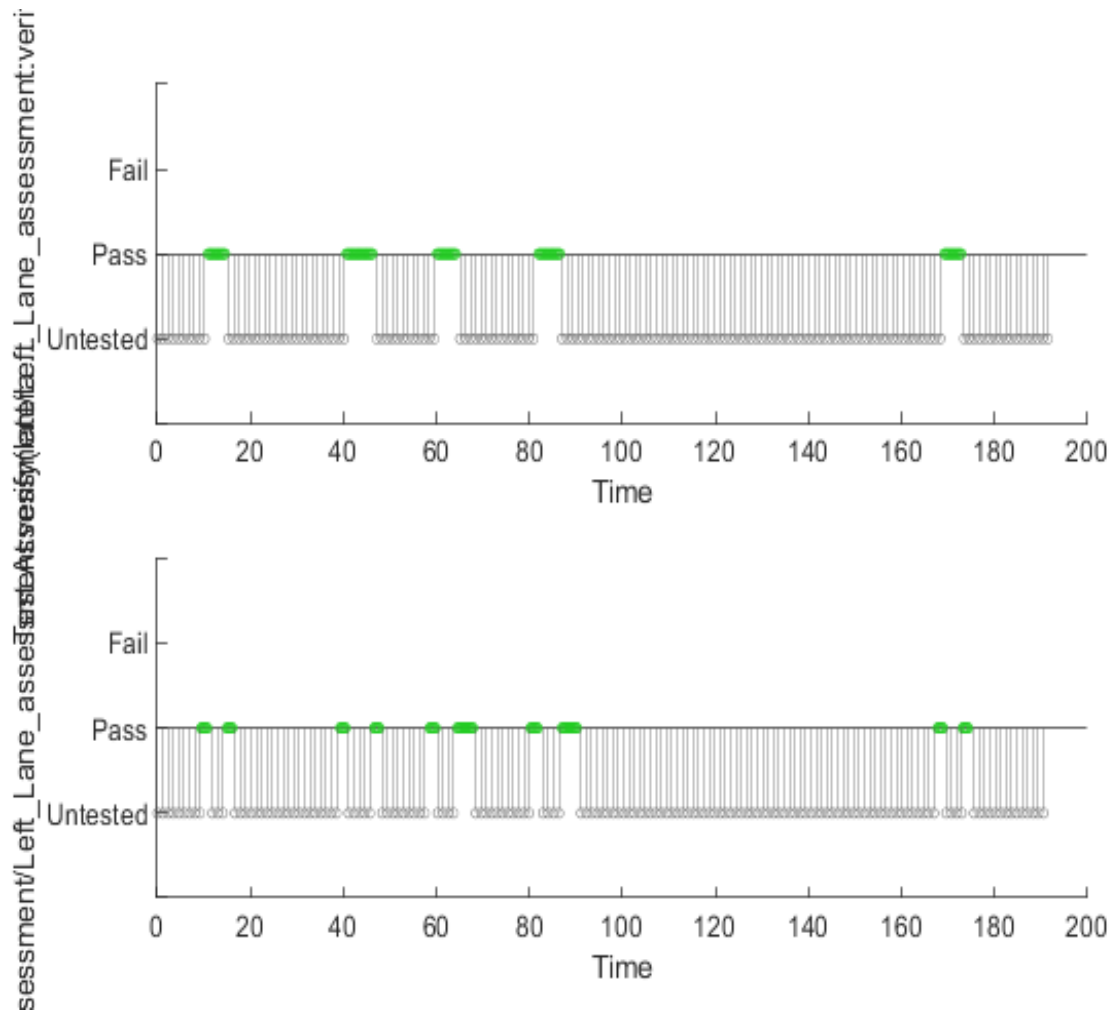
Test Case Information

Name: -110° 100km/h
Type: Simulation Test

Verify Result

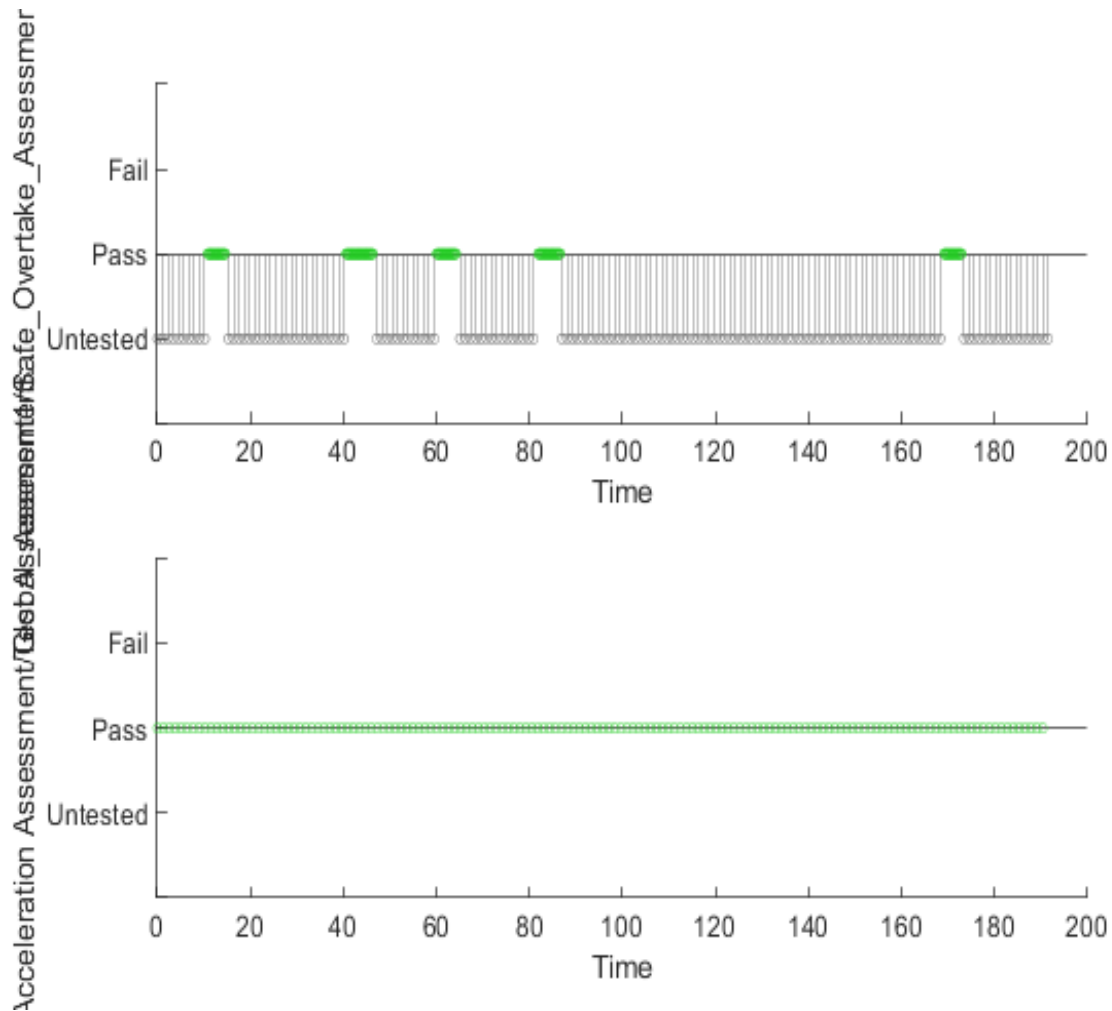
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

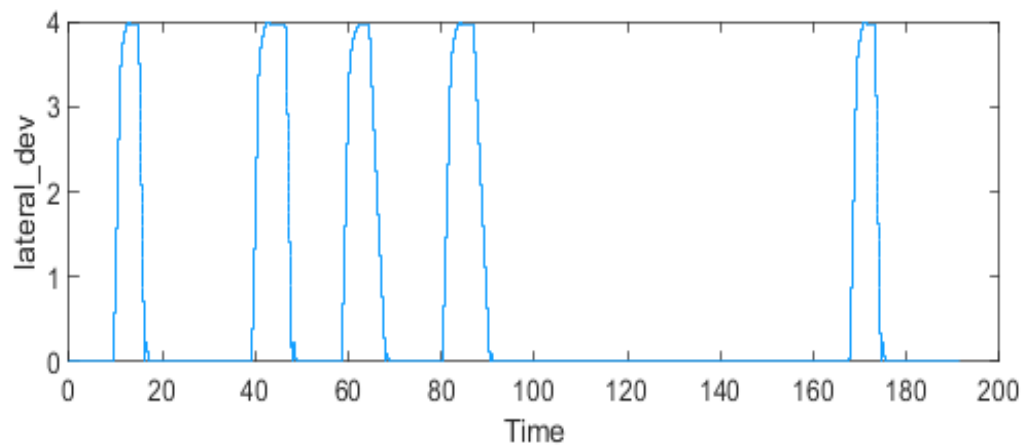
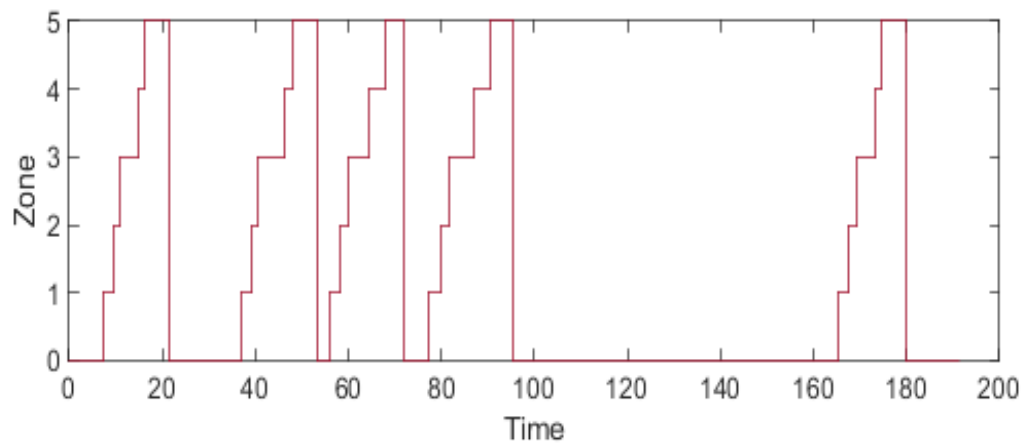
Stop Time:191.55383159832641

Checksum:795497227 1417377670 90652821 1273663688

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-135° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:22:29

End Time: 09-Jun-2021 17:23:17
Outcome: Passed

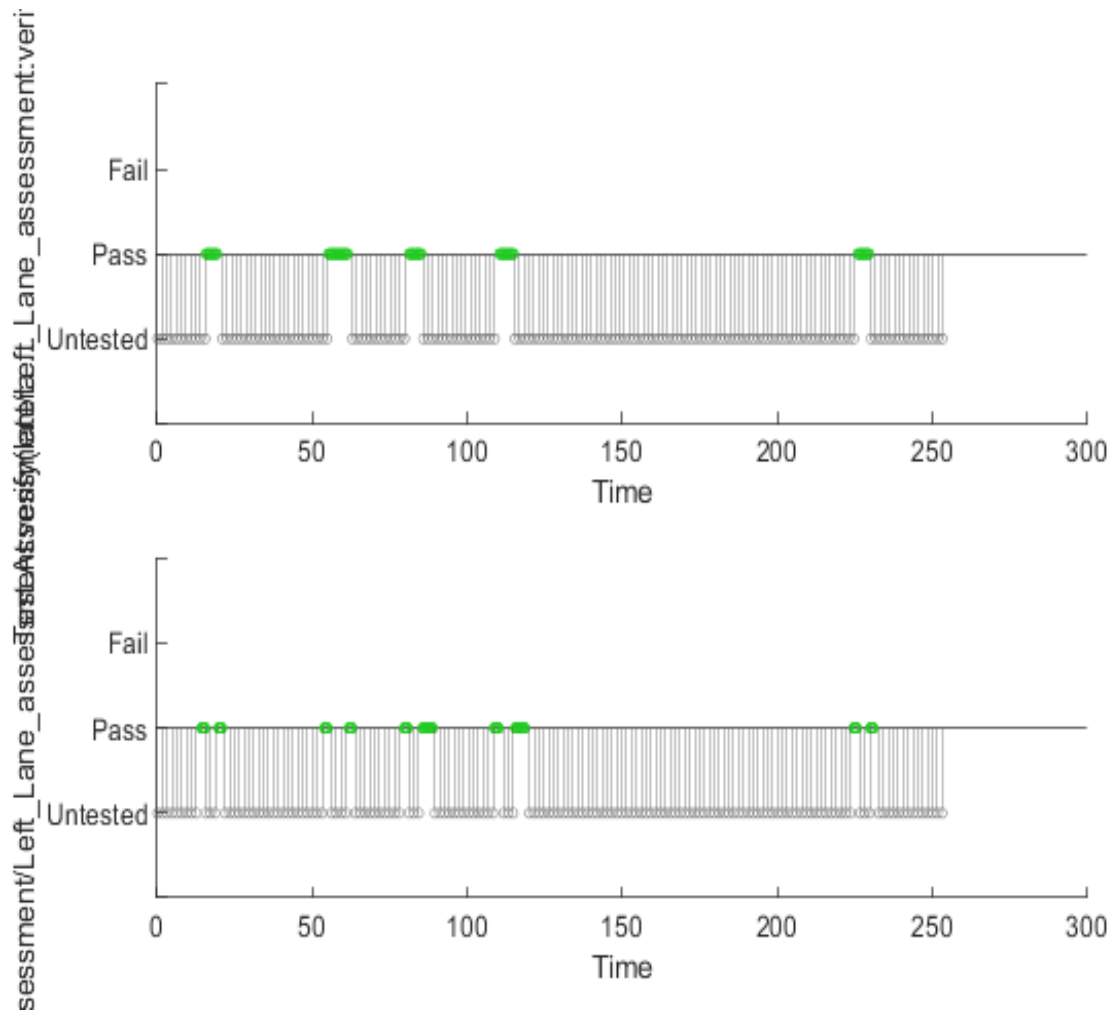
Test Case Information

Name: -135° 100km/h
Type: Simulation Test

Verify Result

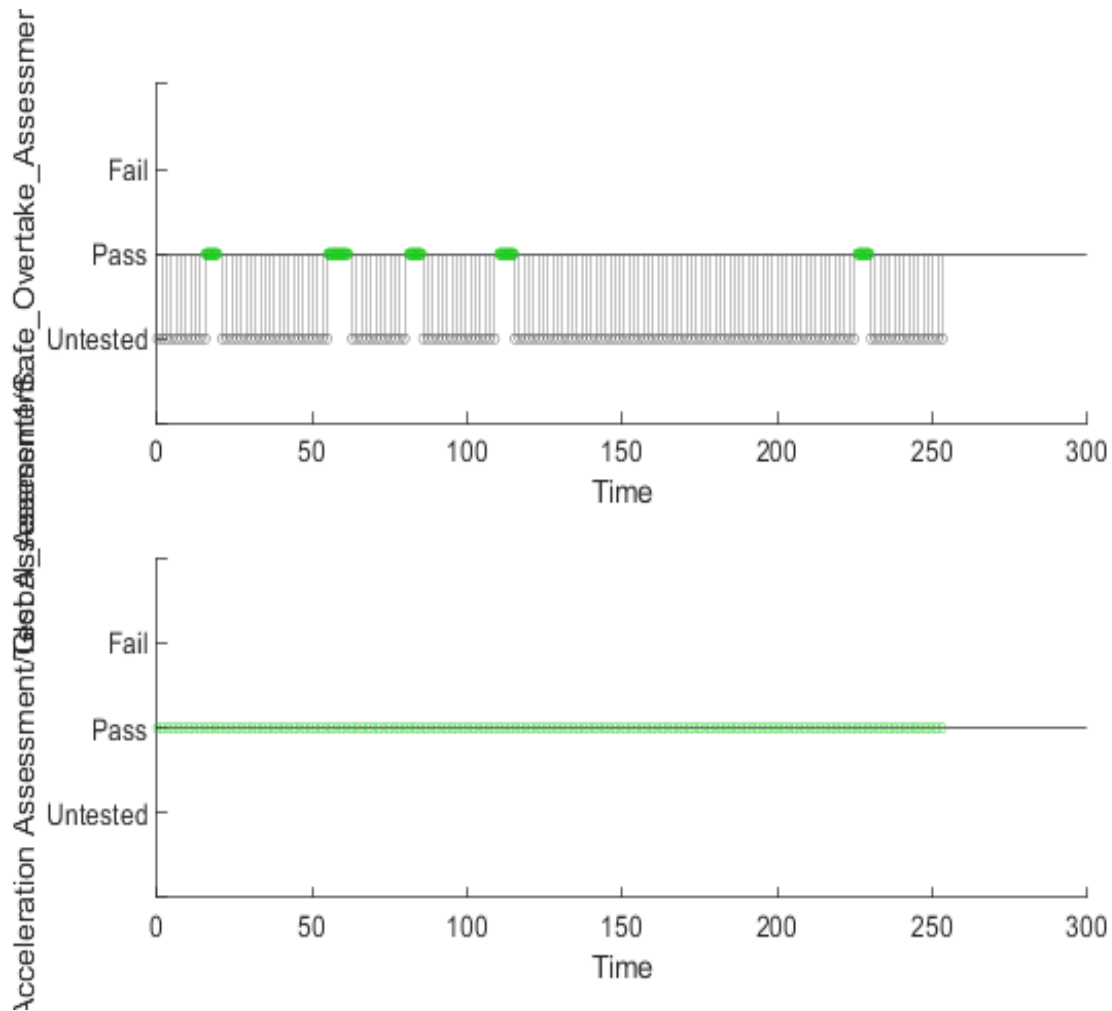
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

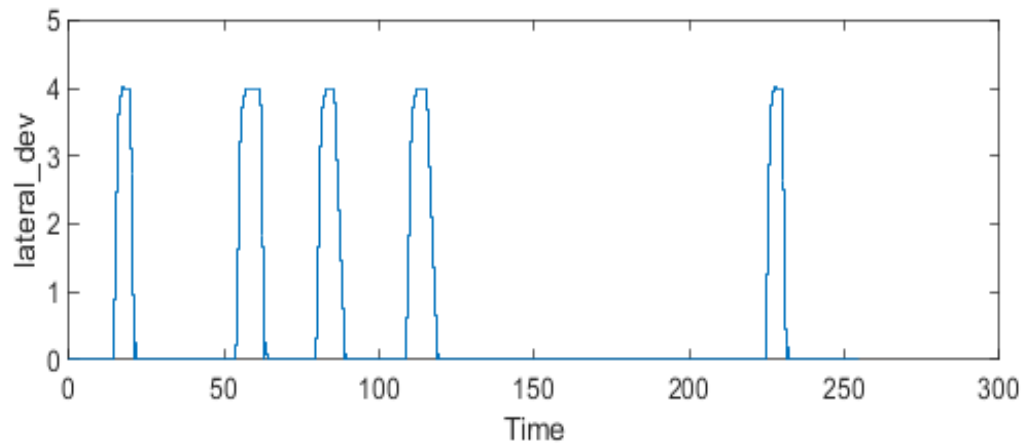
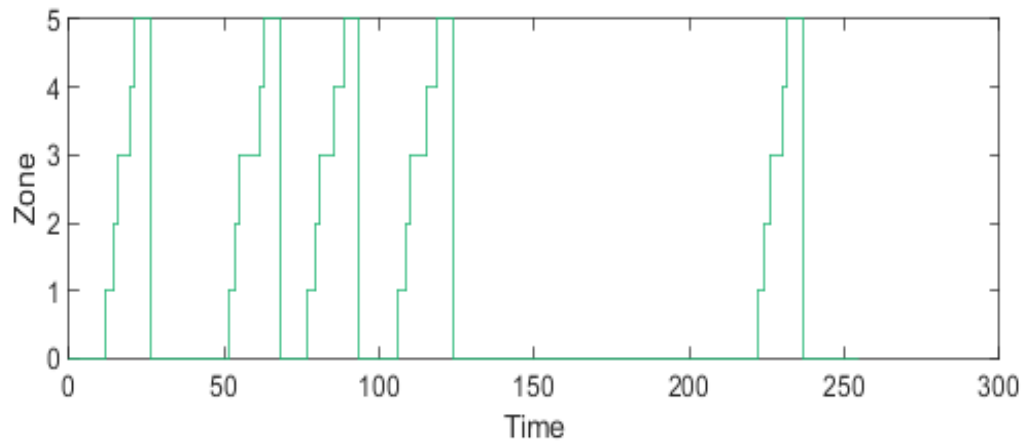
Stop Time:254.55844122715709

Checksum:4212731199 1745535526 3951899521 1477289556

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-160° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:23:17

End Time: 09-Jun-2021 17:25:09
Outcome: Passed

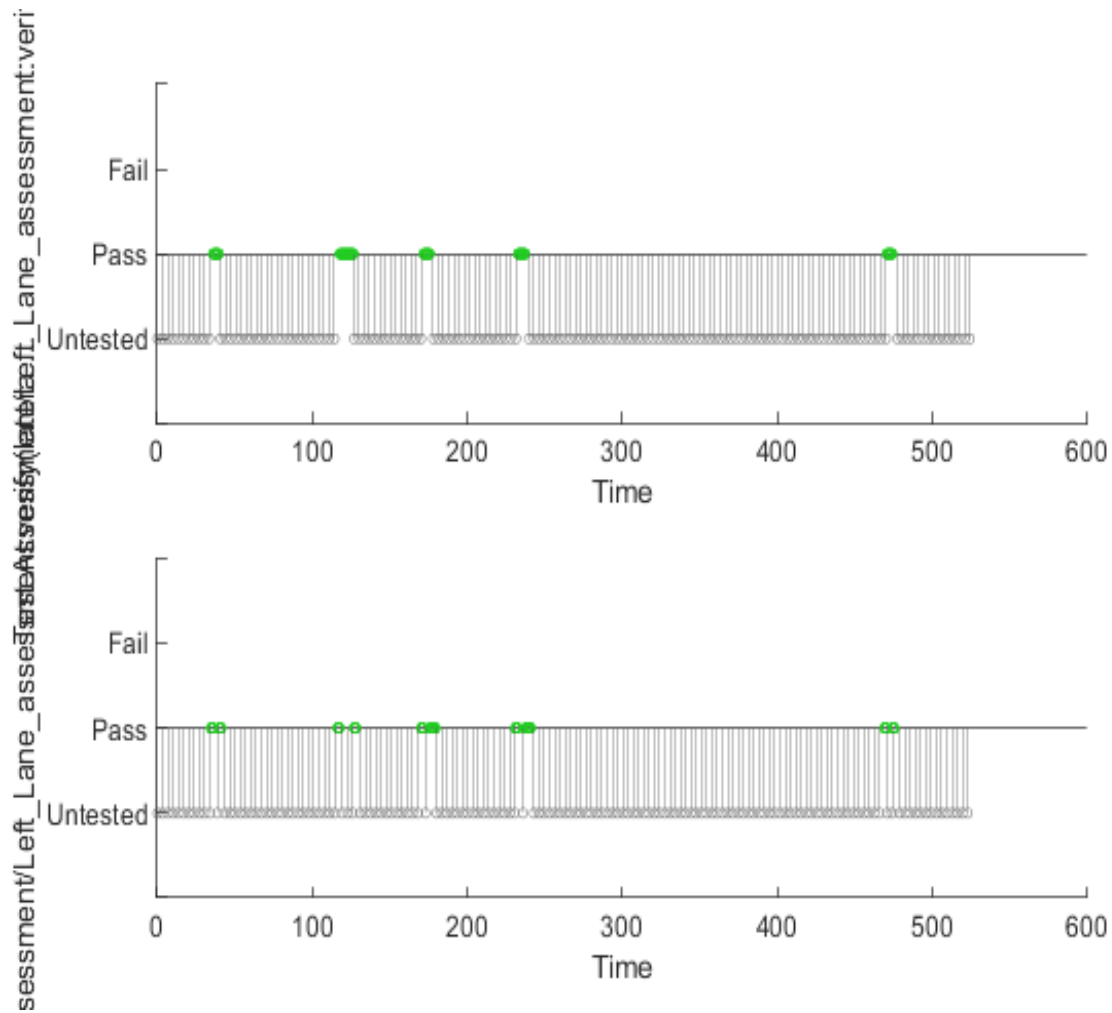
Test Case Information

Name: -160° 100km/h
Type: Simulation Test

Verify Result

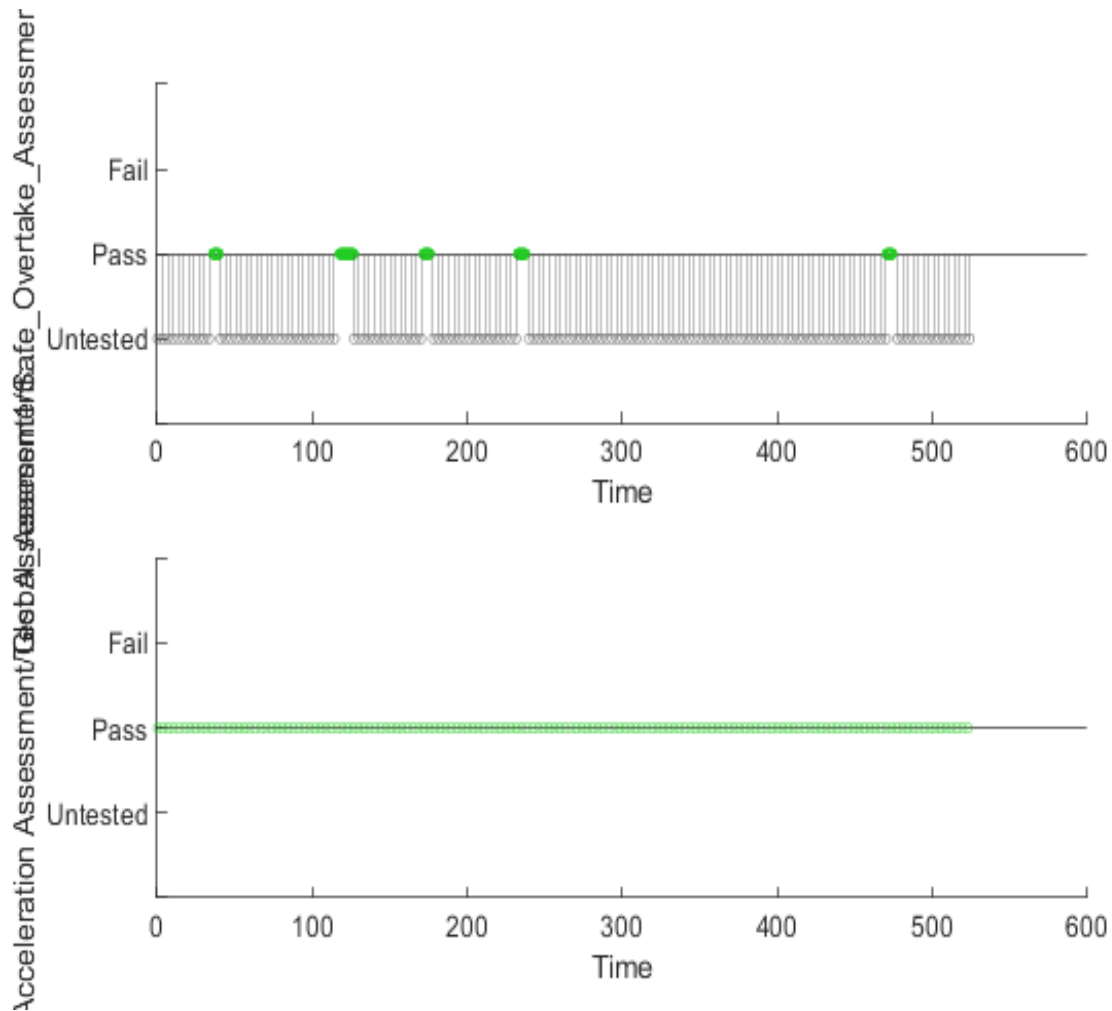
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

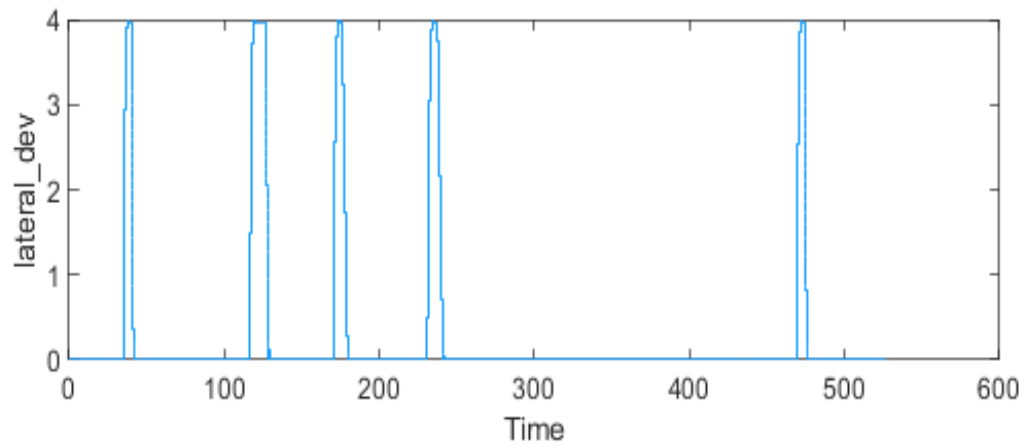
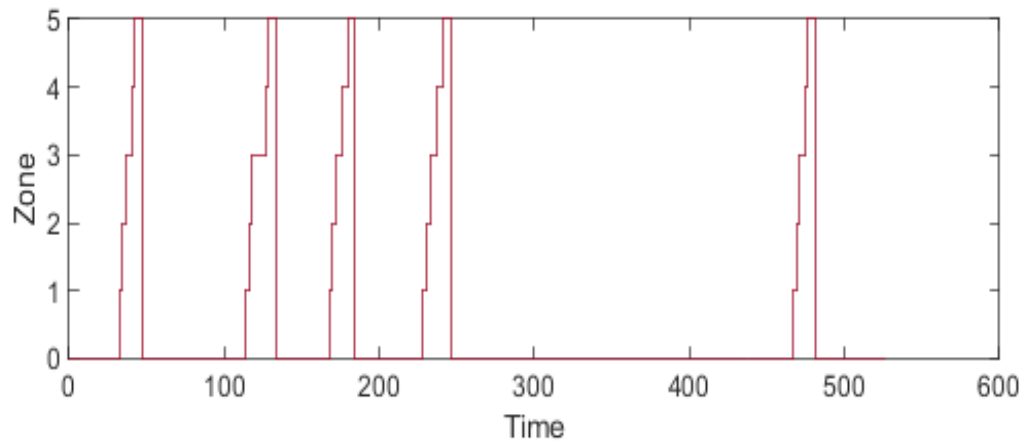
Stop Time:526.20403989327178

Checksum:2704992725 3506233928 2630987403 2765372999

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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1000m curvature clockwise 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:25:09

End Time: 09-Jun-2021 17:25:43
Outcome: Passed

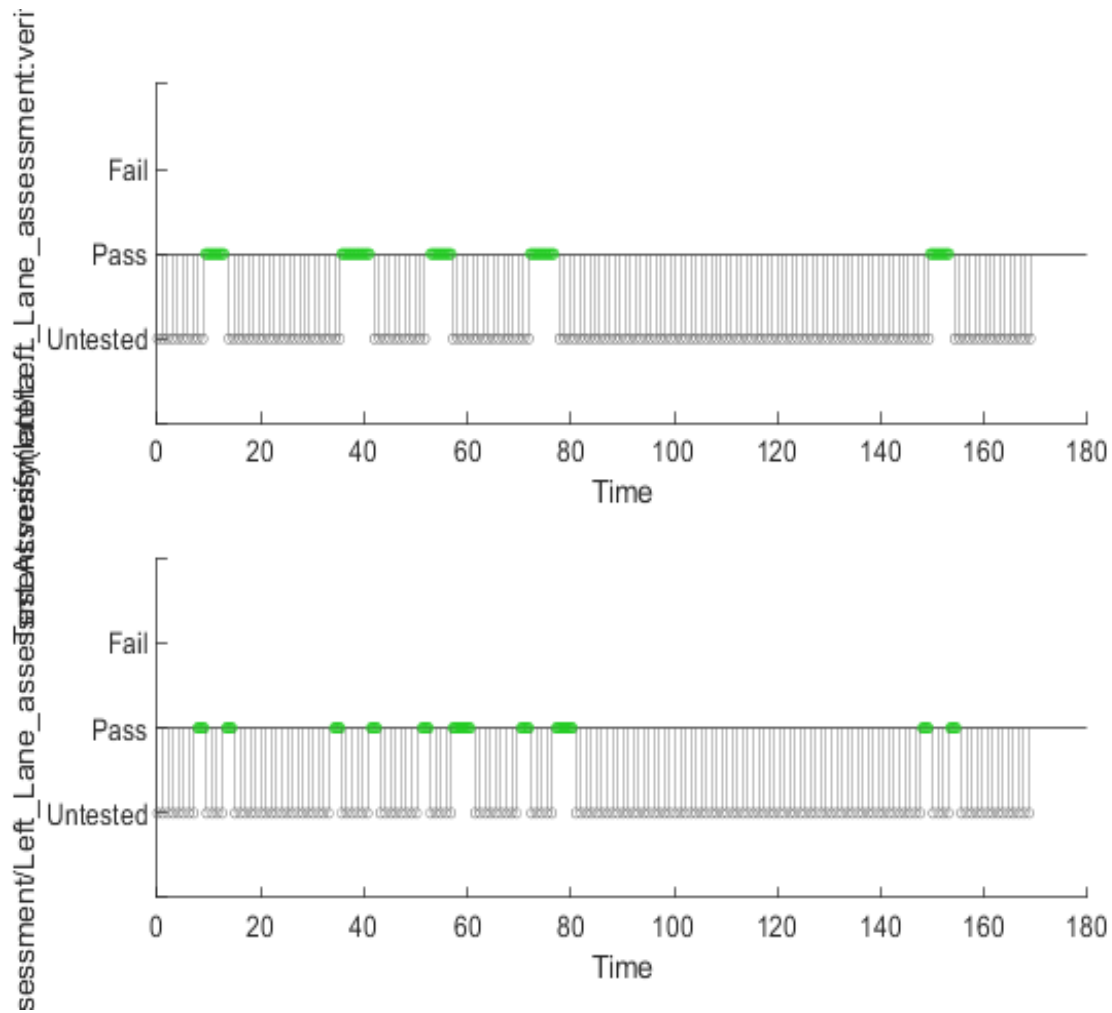
Test Case Information

Name: 1000m curvature clockwise 100km/h
Type: Simulation Test

Verify Result

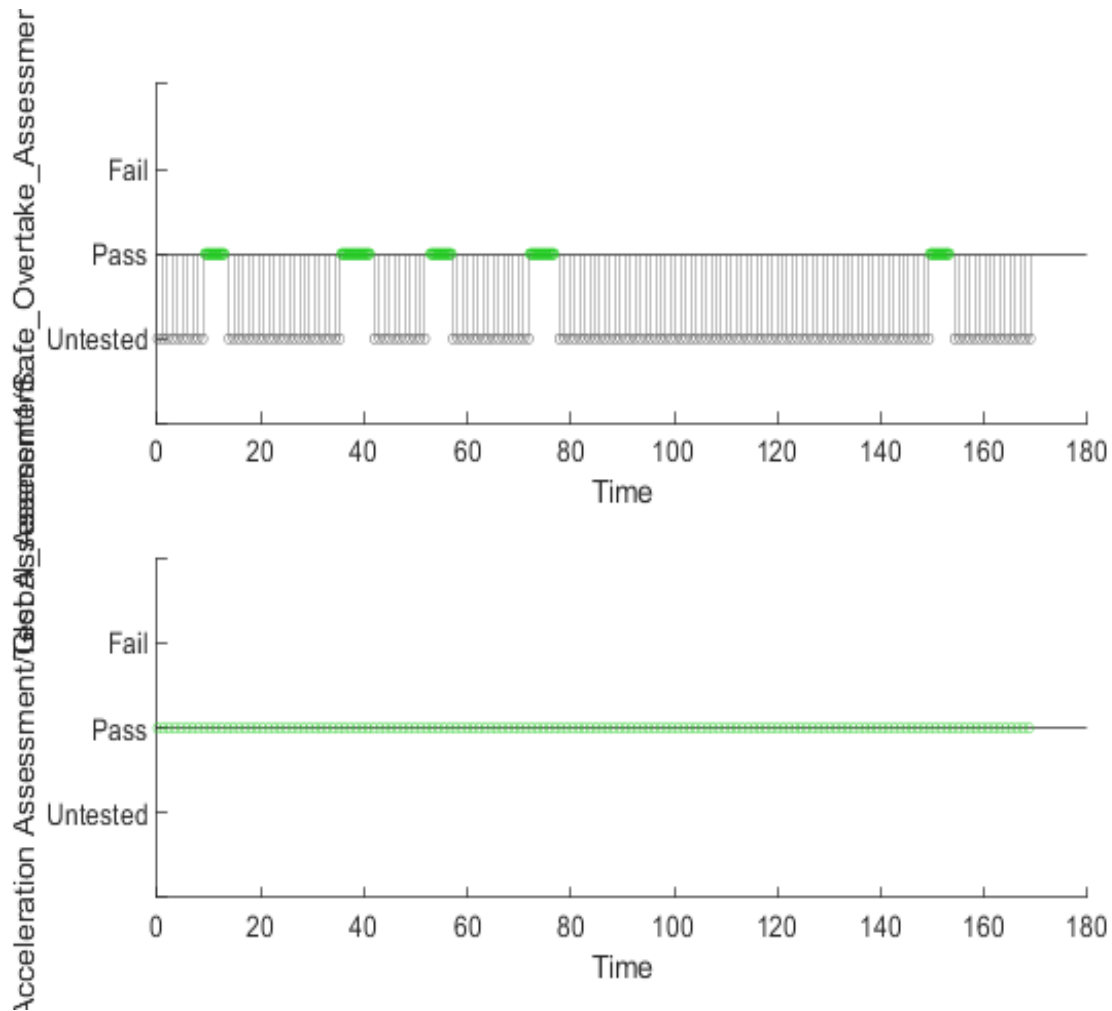
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

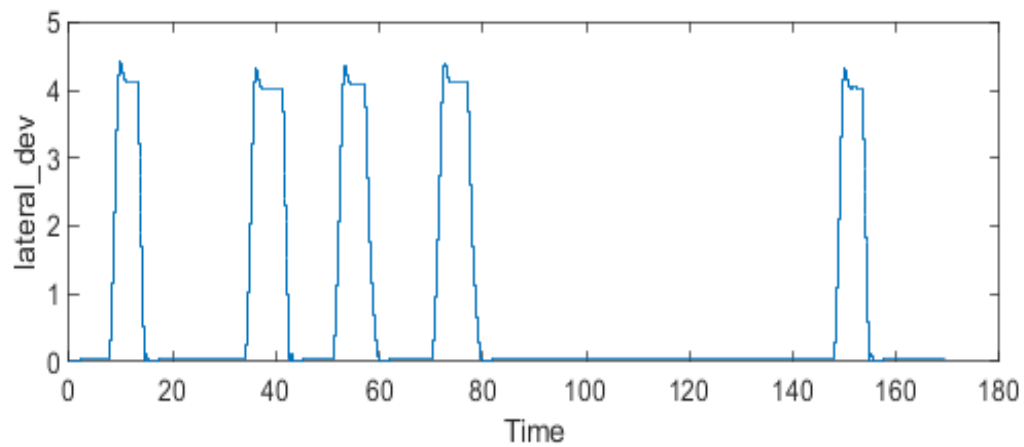
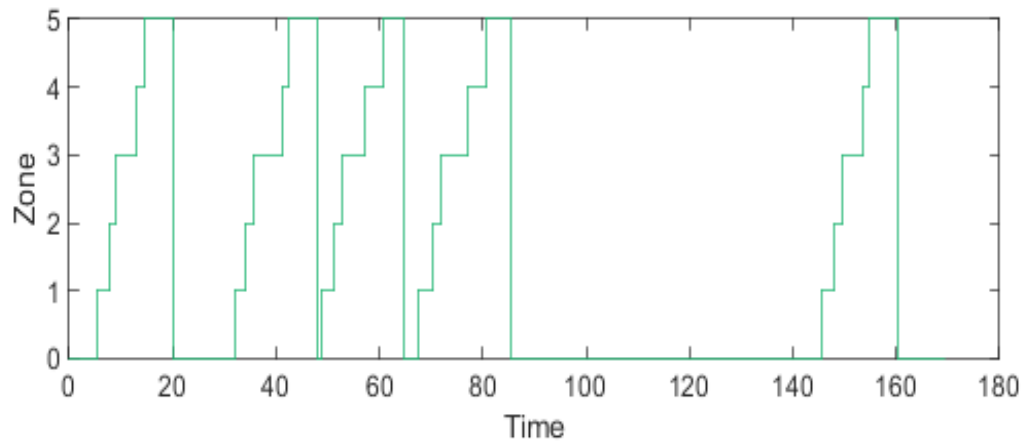
Stop Time:169.650000000000268

Checksum:3436966506 3606252417 797980515 596718582

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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500m curvature clockwise 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 100km/h](#)
 Start Time: 09-Jun-2021 17:25:43

End Time: 09-Jun-2021 17:26:01
Outcome: Passed

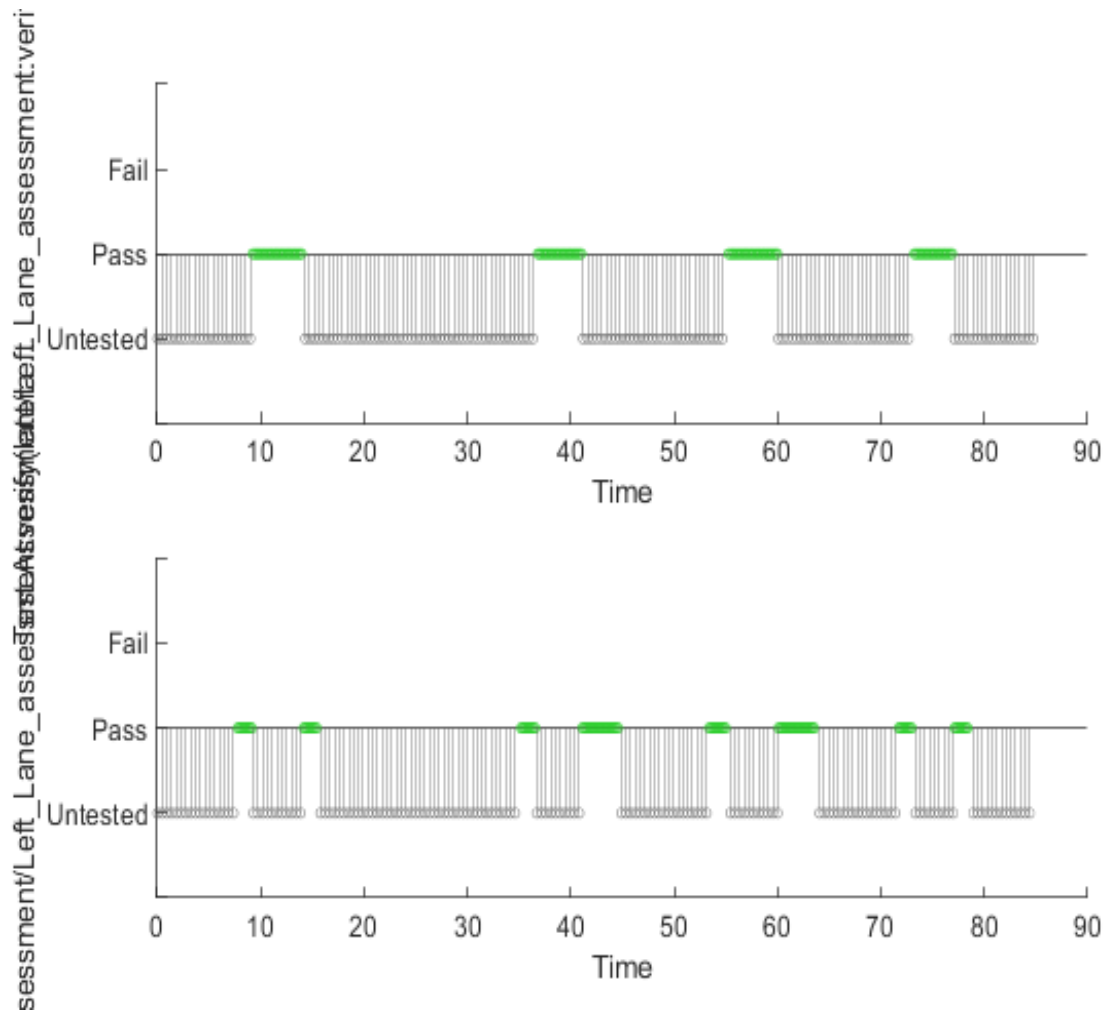
Test Case Information

Name: 500m curvature clockwise 100km/h
Type: Simulation Test

Verify Result

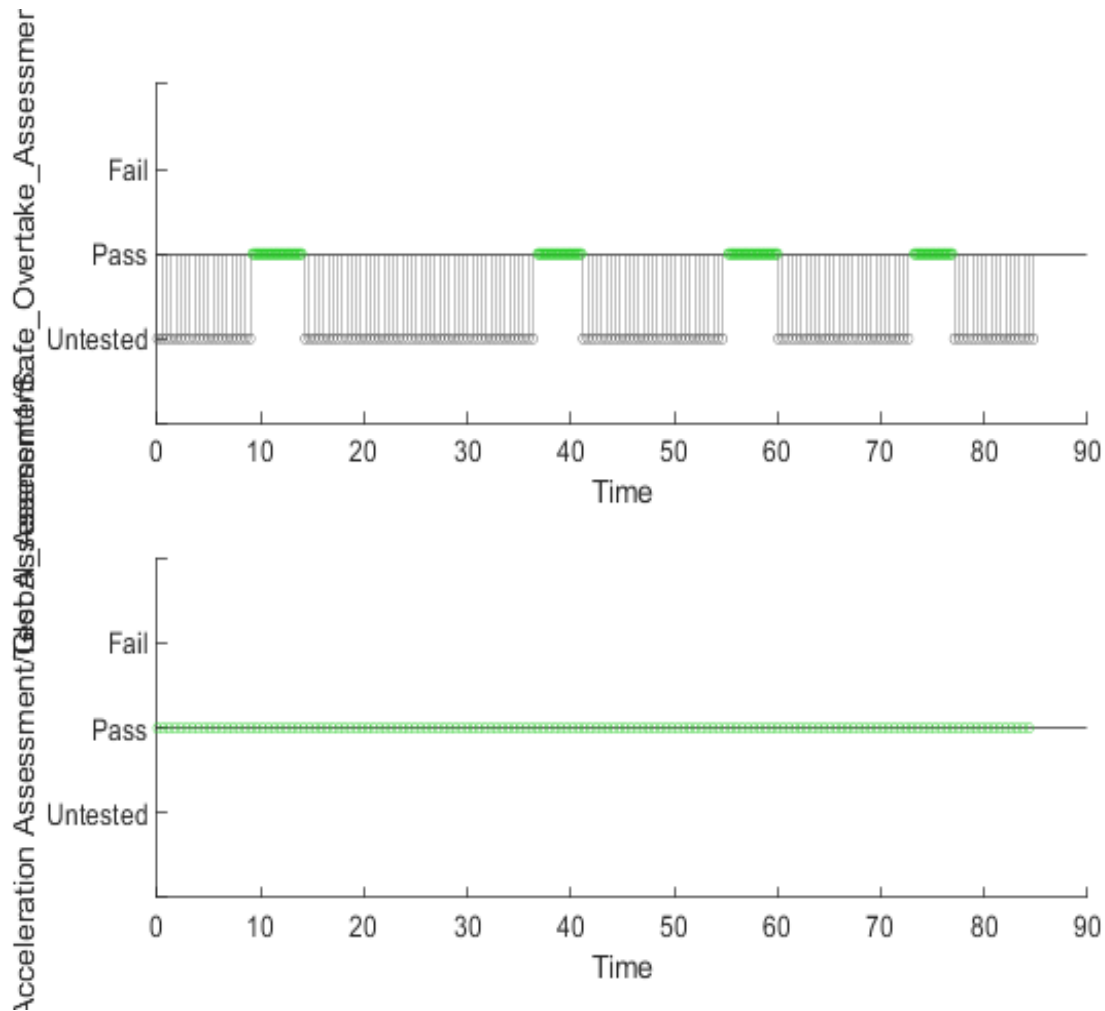
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

Stop Time:84.829999999999686

Checksum:1055538790 764712664 568594621 326874321

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union

End Time: 09-Jun-2021 17:26:15
Outcome: Passed

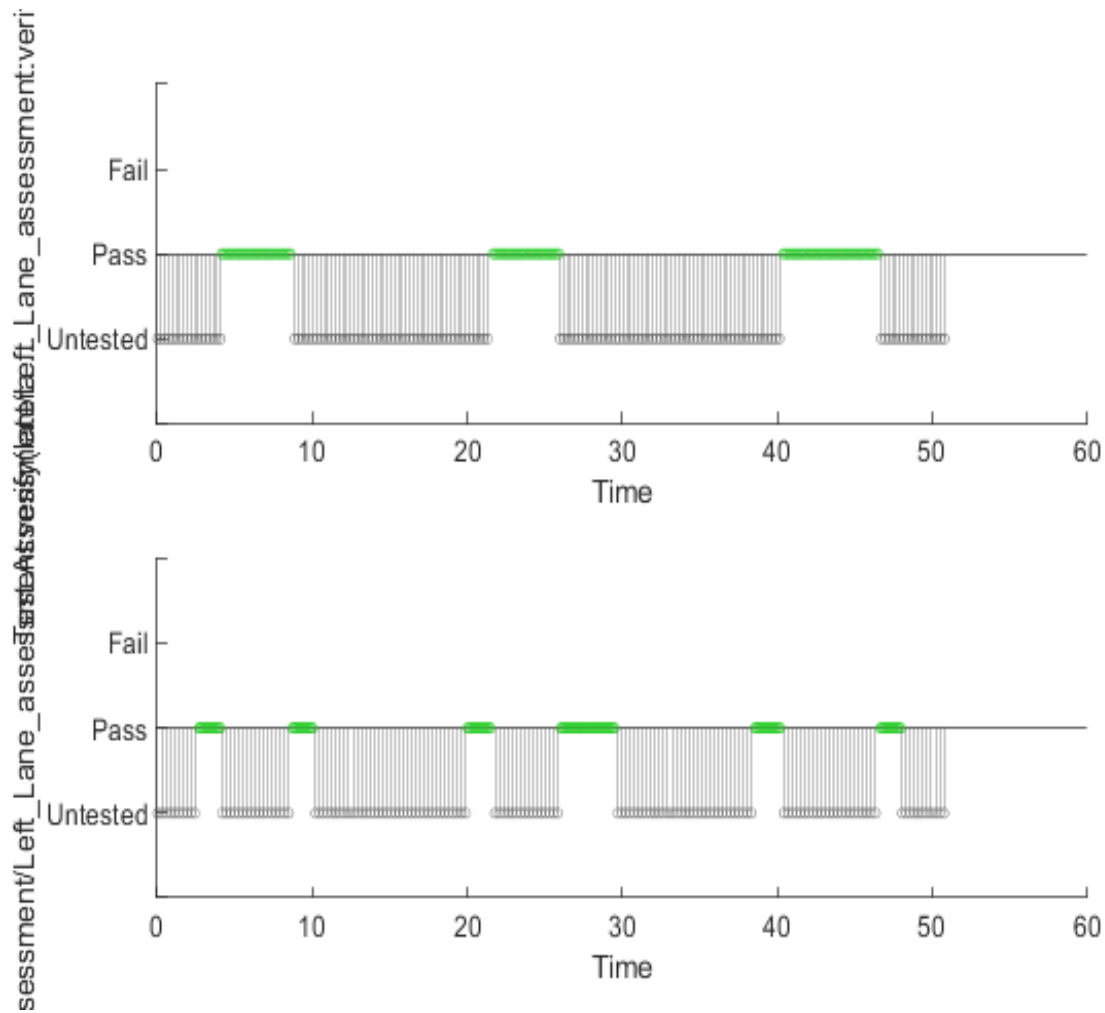
Test Case Information

Name: 300m curvature clockwise 100km/h
Type: Simulation Test

Verify Result

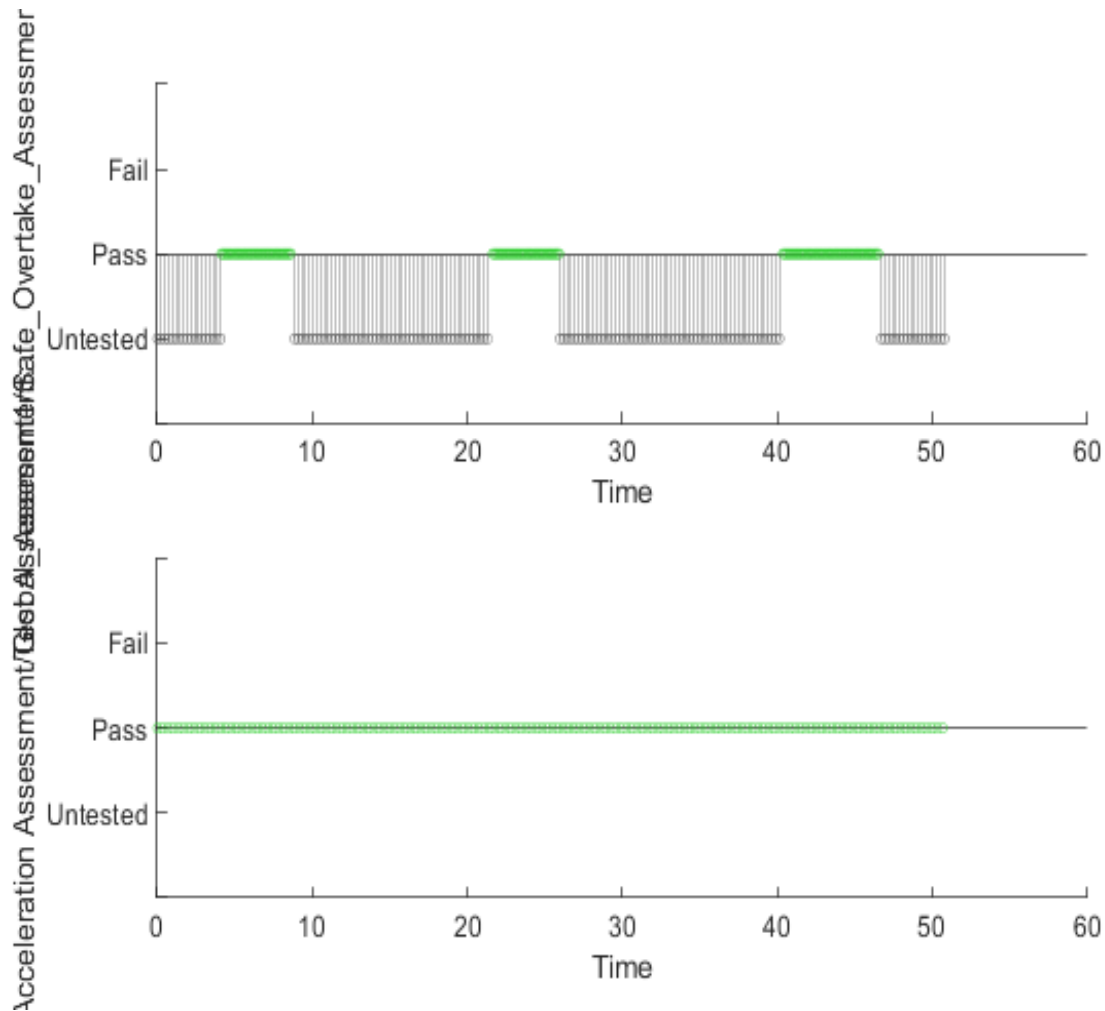
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

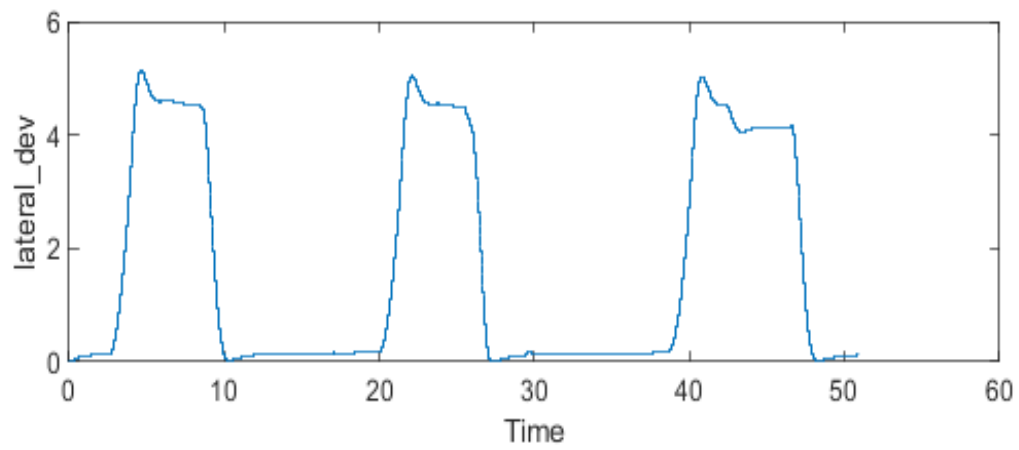
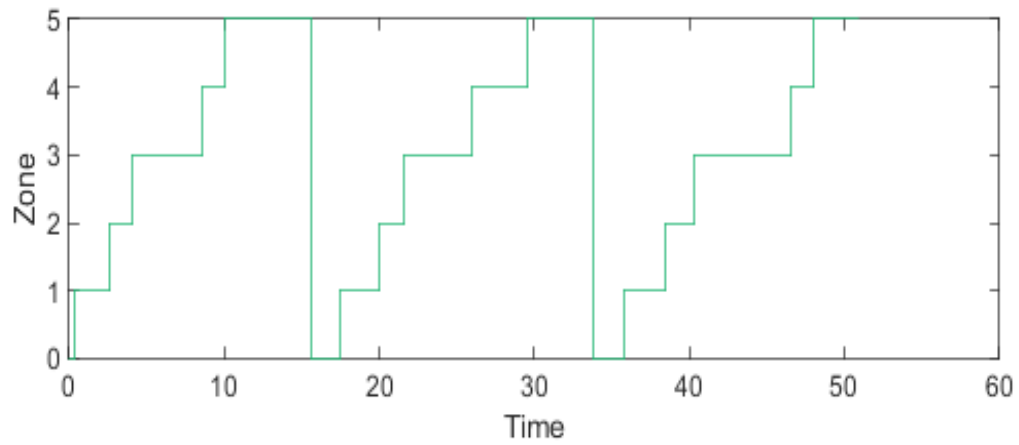
Stop Time:50.899999999999942

Checksum:3780401676 3690289232 2985596224 3895476689

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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300m curvature counterclockwise 100km/h

Test Result Information

Result Type: Test Case Result





Parent: [Multiple dynamic/static obstacle 100km/h](#)



Start Time: 09-Jun-2021 17:26:15
End Time: 09-Jun-2021 17:26:36
Outcome: **Failed**
Cause of Failure: **Failed criteria: Verification**

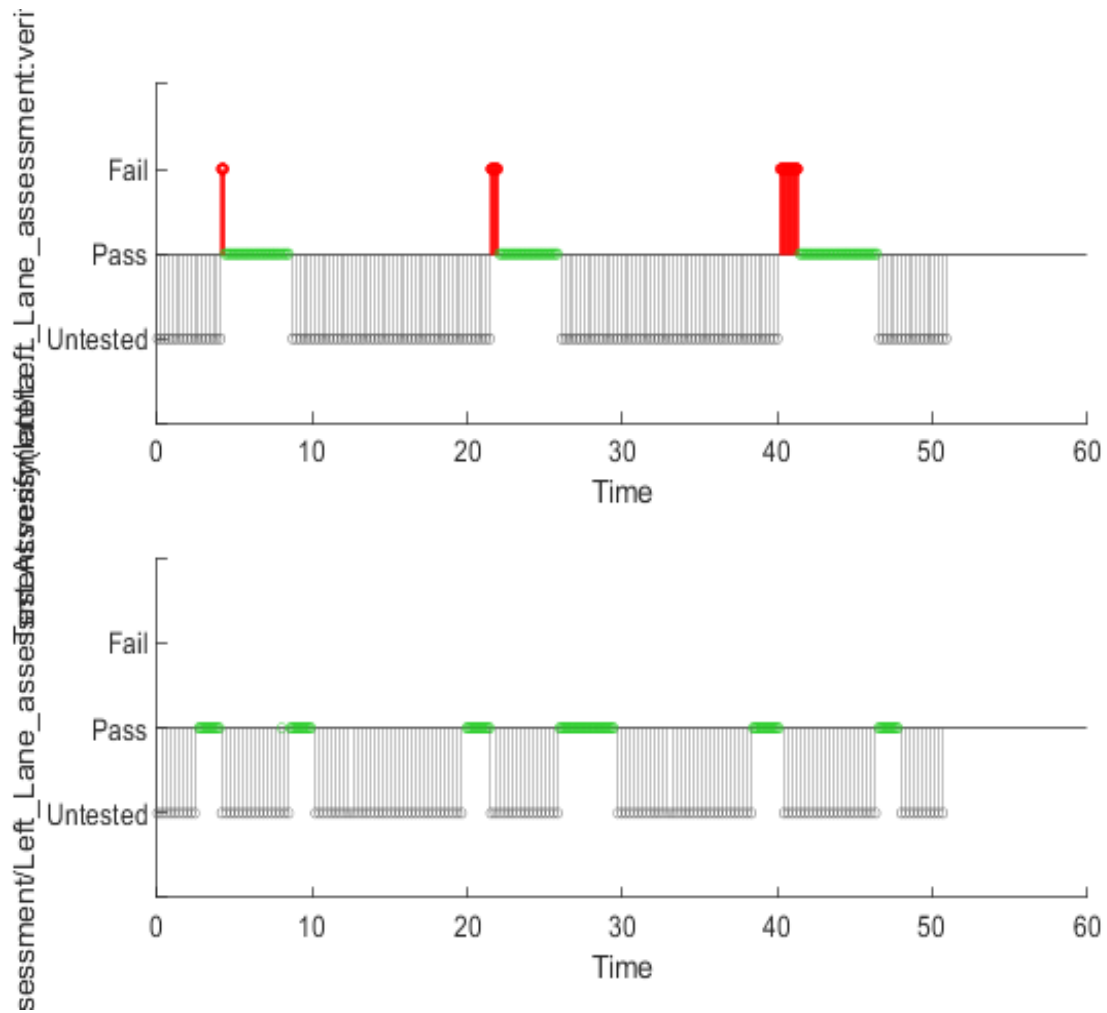
Test Case Information

Name: 300m curvature counterclockwise 100km/h
Type: Simulation Test

Verify Result

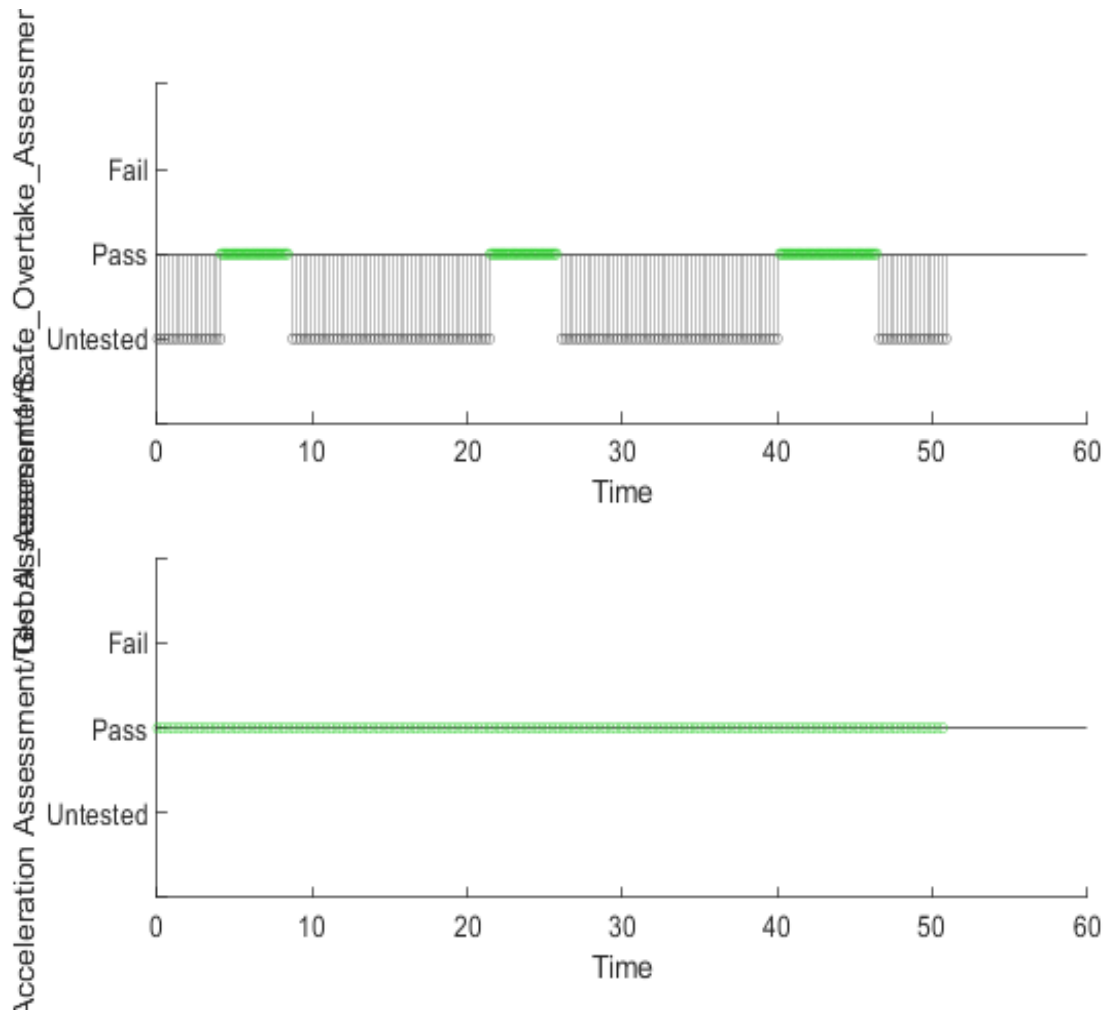
Name	Link to Plot
 Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
 Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
 Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
 Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
 Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
 Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

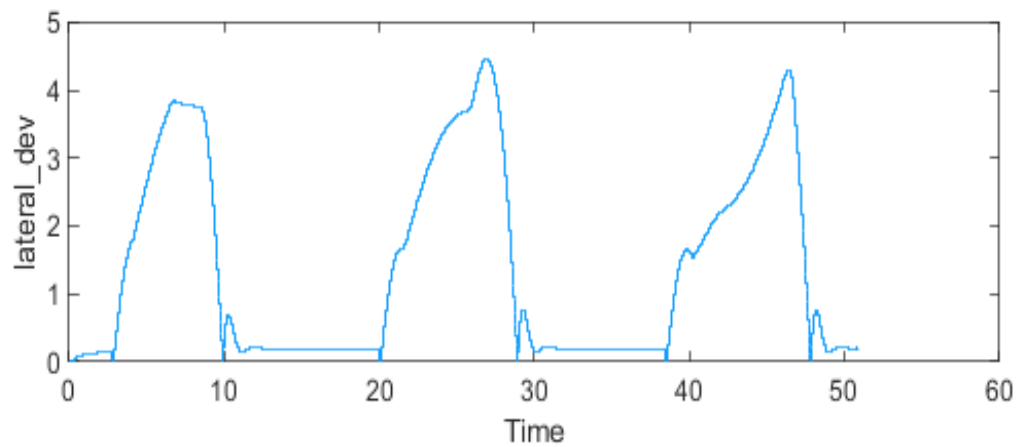
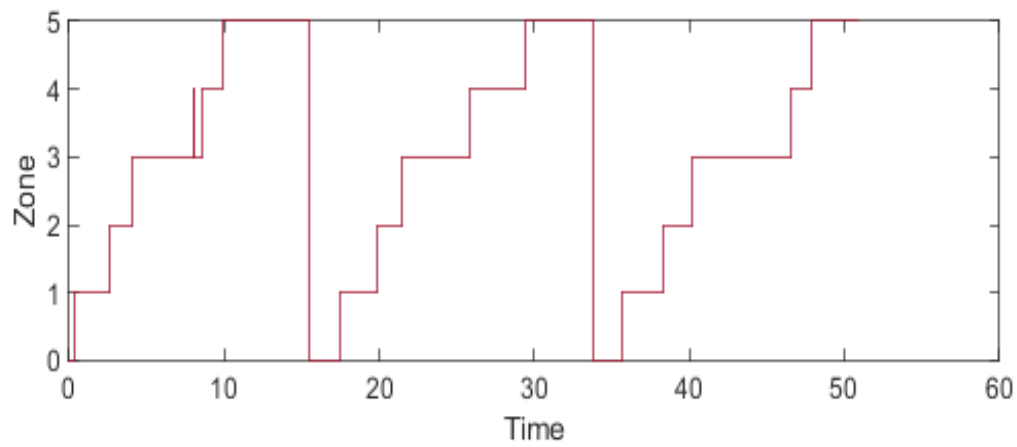
Stop Time:50.899999999999942

Checksum:3780401676 3690289232 2985596224 3895476689

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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500m curvature counterclockwise 100km/h

Test Result Information

Result Type: Test Case Result

Parent: [Multiple dynamic/static obstacle 100km/h](#)

Start Time: 09-Jun-2021 17:26:37
End Time: 09-Jun-2021 17:27:10
Outcome: **Passed**

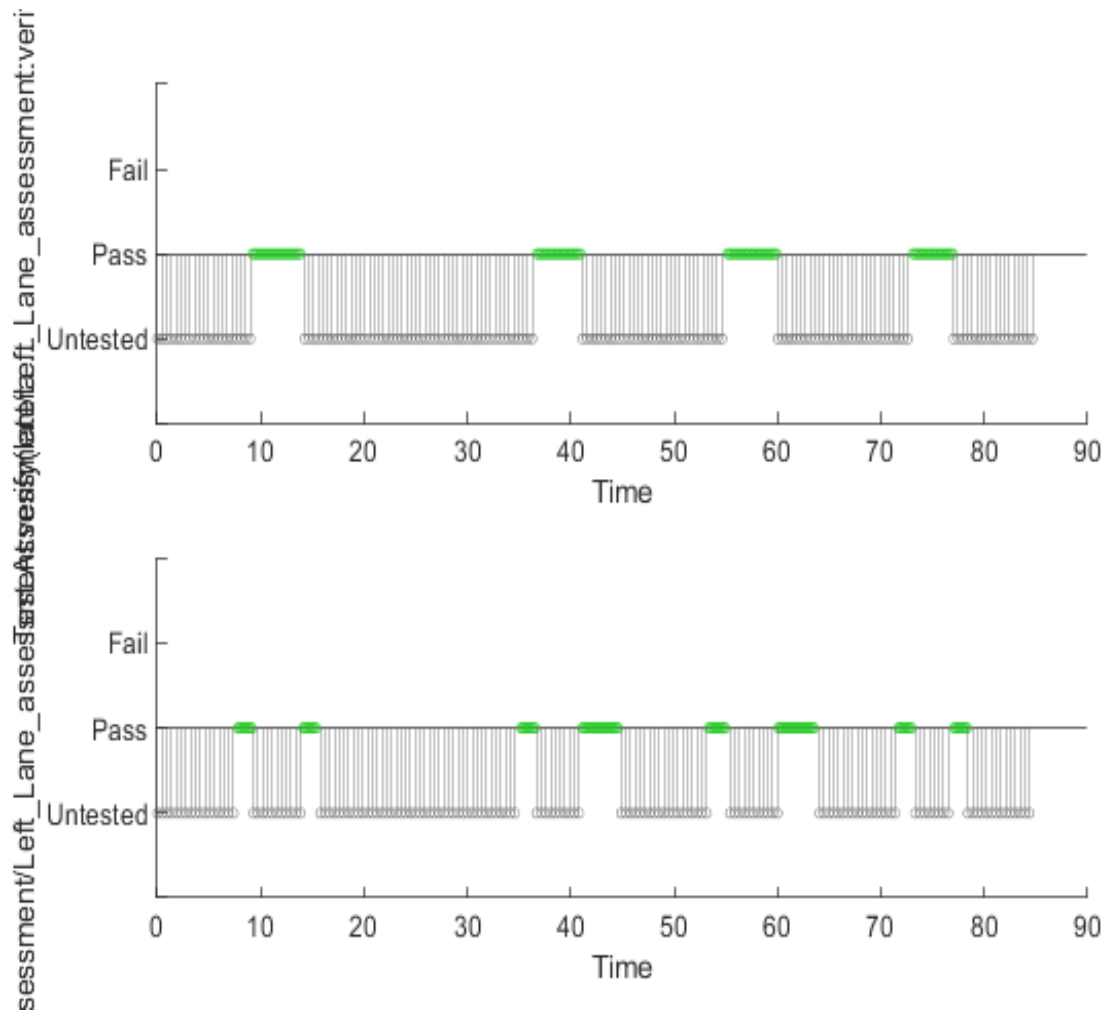
Test Case Information

Name: 500m curvature counterclockwise 100km/h
Type: Simulation Test

Verify Result

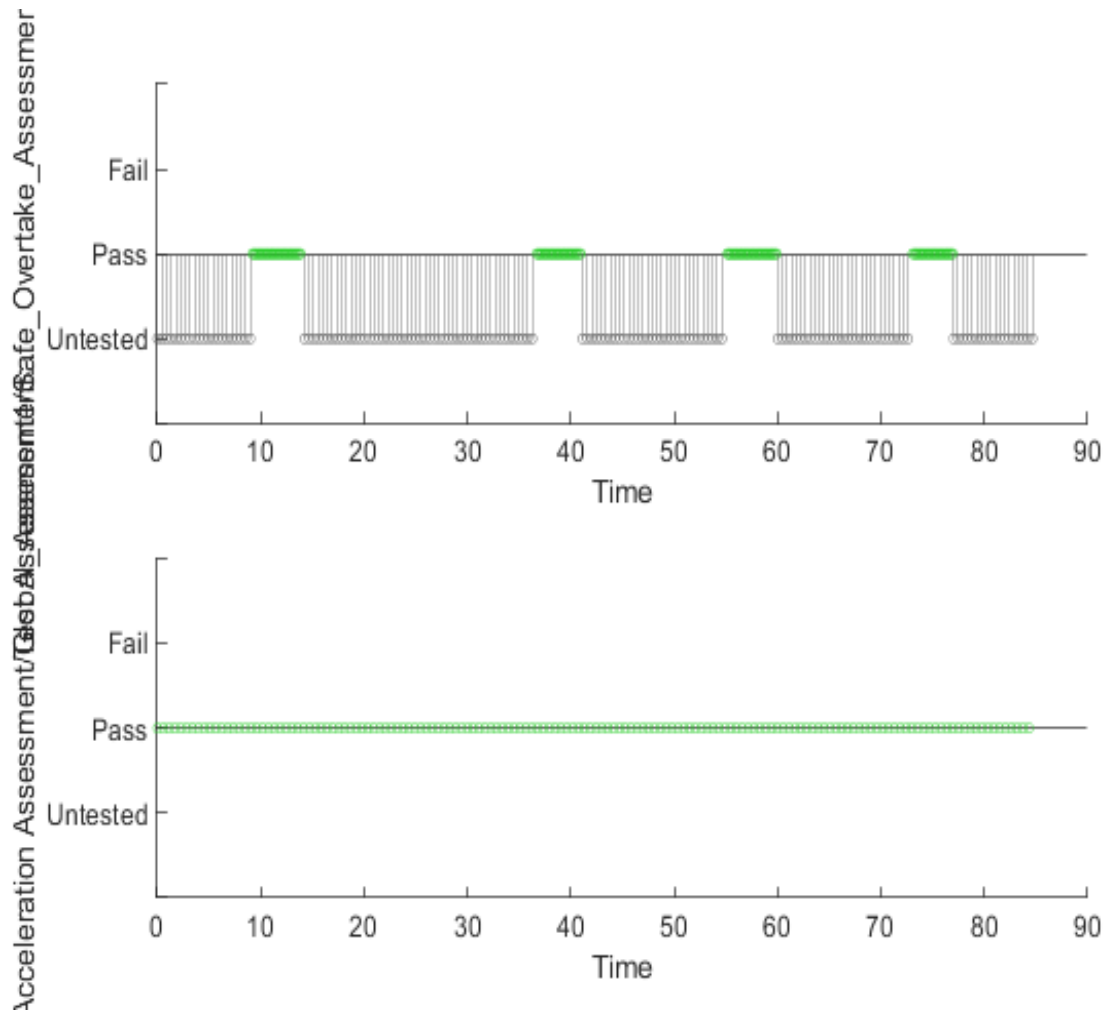
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

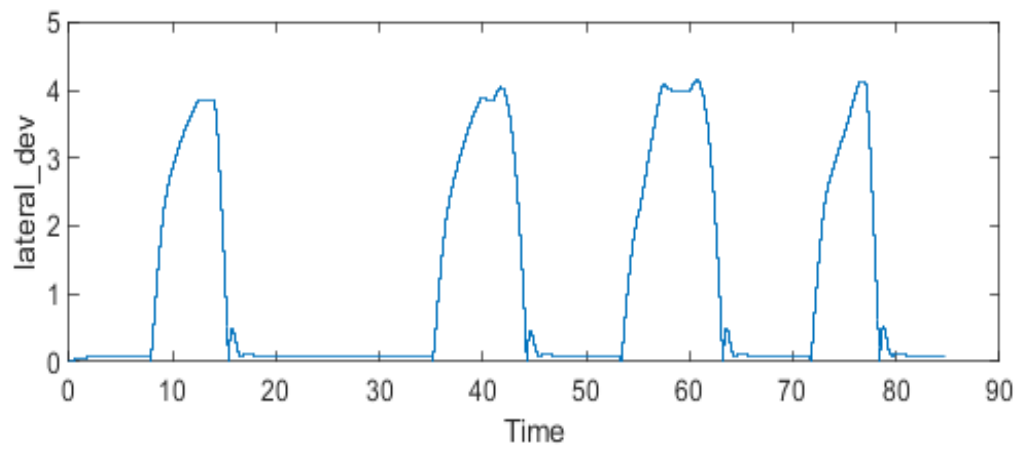
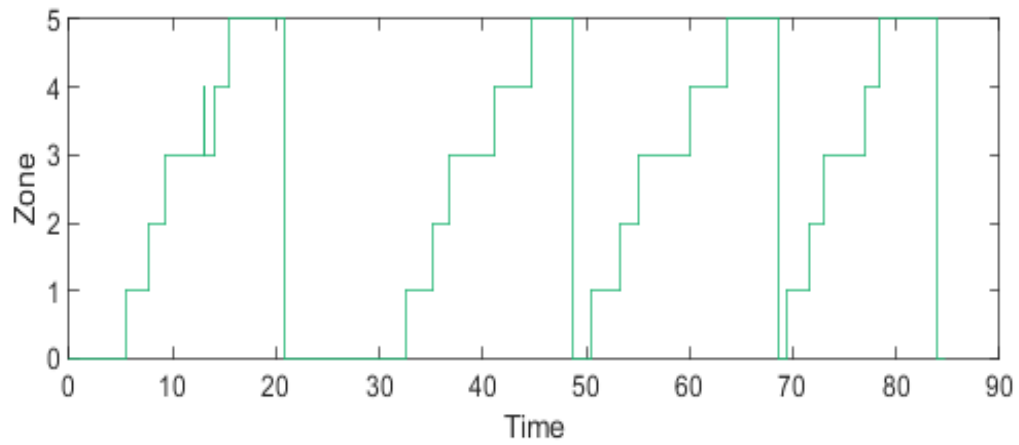
Stop Time:84.829999999999686

Checksum:1055538790 764712664 568594621 326874321

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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1000m curvature counterclockwise
100km/h

Test Result Information

Result Type: Test Case Result

Parent: [Multiple dynamic/static obstacle 100km/h](#)

Start Time: 09-Jun-2021 17:27:10
End Time: 09-Jun-2021 17:27:58
Outcome: **Passed**

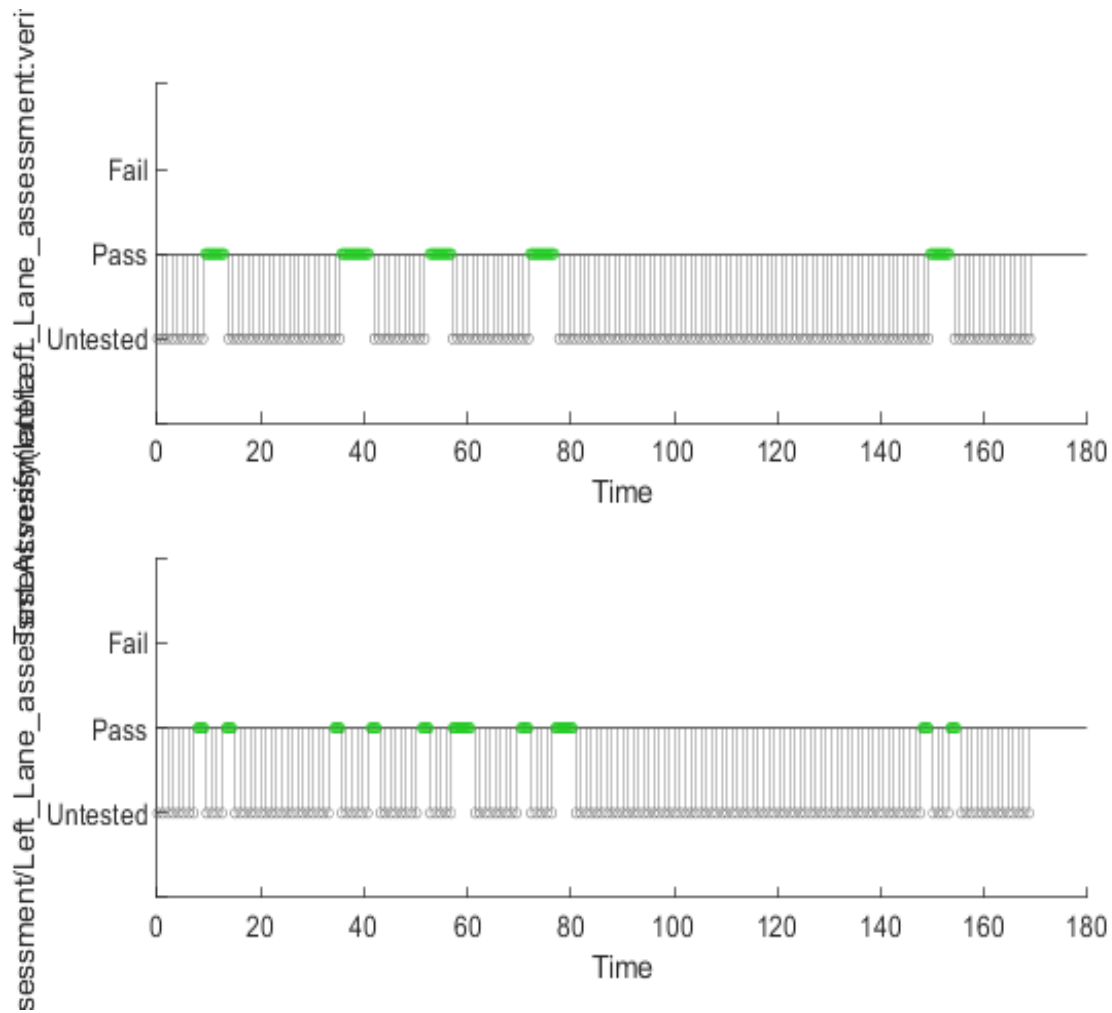
Test Case Information

Name: 1000m curvature counterclockwise 100km/h
Type: Simulation Test

Verify Result

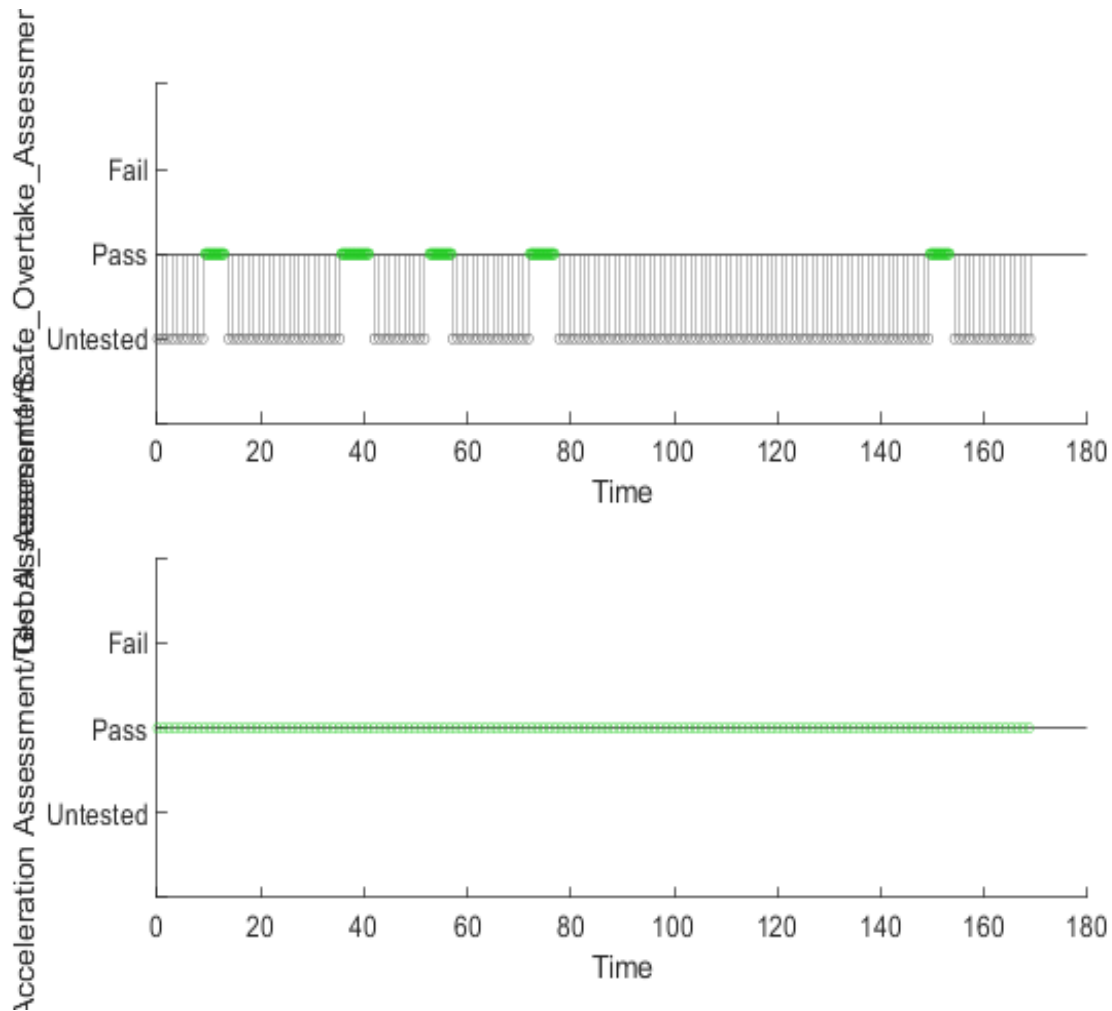
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

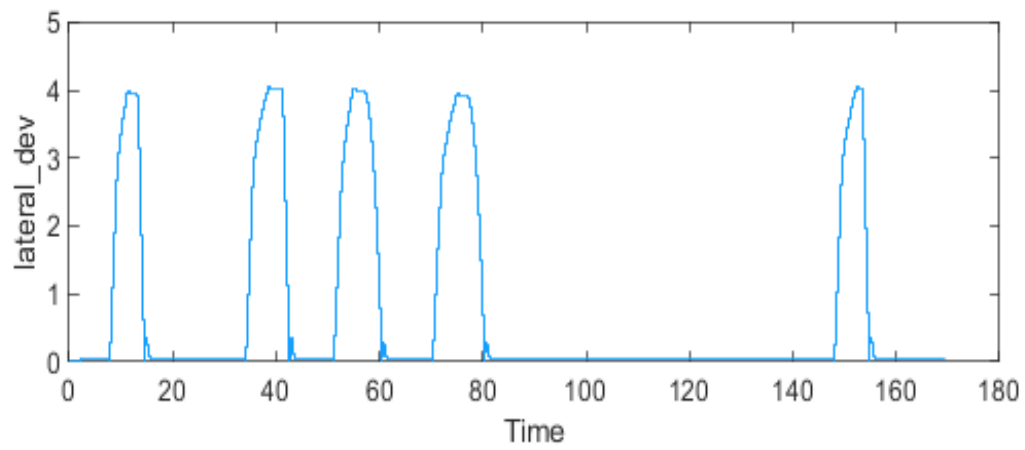
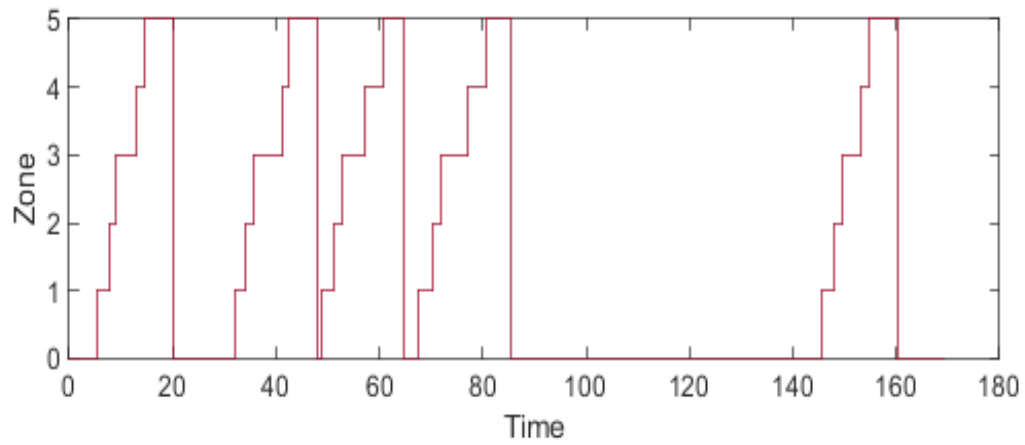
Stop Time:169.650000000000268

Checksum:3436966506 3606252417 797980515 596718582

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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Multiple_dynamic/static_obstacle 40km/h

Test Result Information

Result Type: Test Suite Result
Parent: [Compound obstacle avoidance](#)

Start Time: 09-Jun-2021 17:27:58
End Time: 09-Jun-2021 18:01:16
Outcome: Total: 22, **Passed: 22**

Test Suite Information

Name: Multiple_dynamic/static_obstacle 40km/h

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0° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple_dynamic/static_obstacle 40km/h](#)
Start Time: 09-Jun-2021 17:27:58
End Time: 09-Jun-2021 17:29:45
Outcome: **Passed**

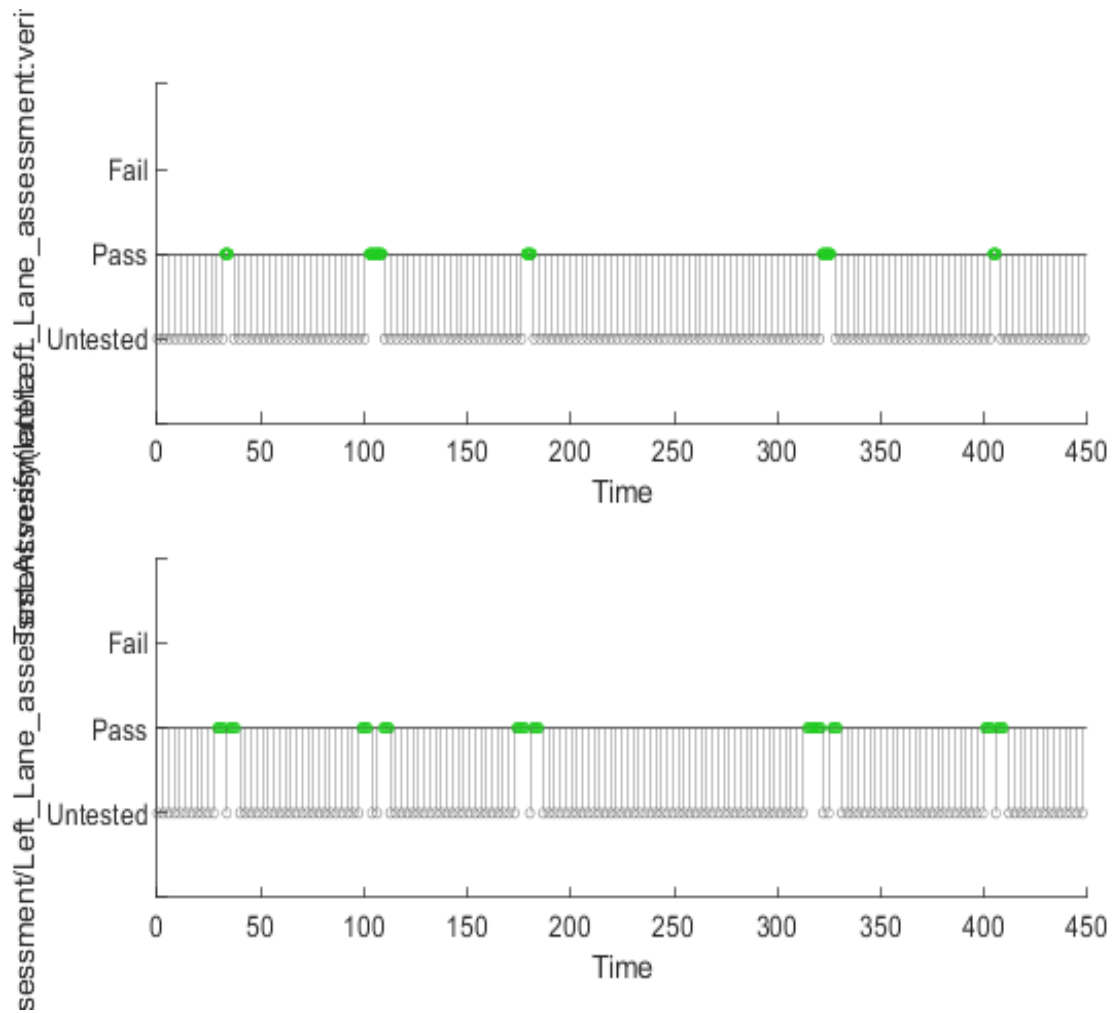
Test Case Information

Name: 0° 40km/h
Type: Simulation Test

Verify Result

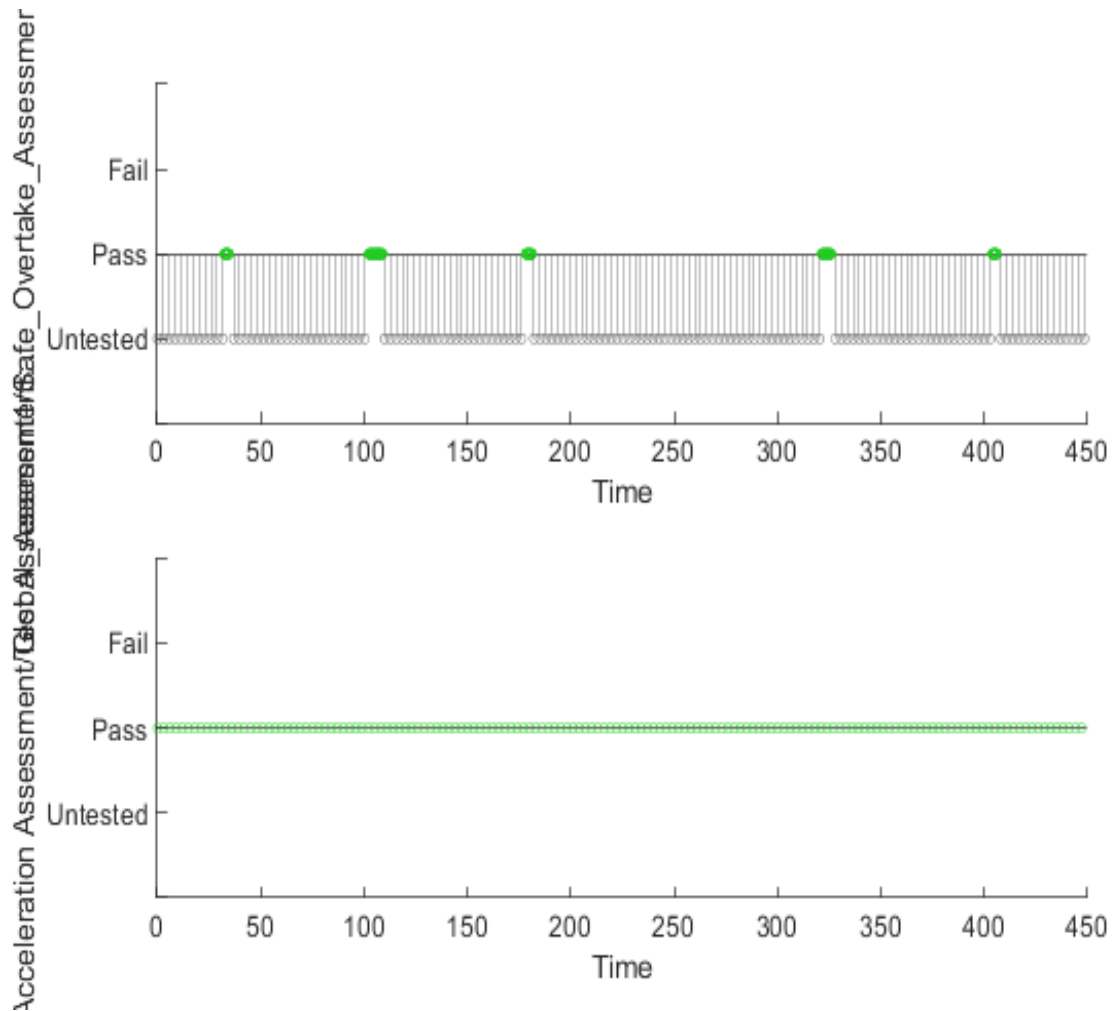
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

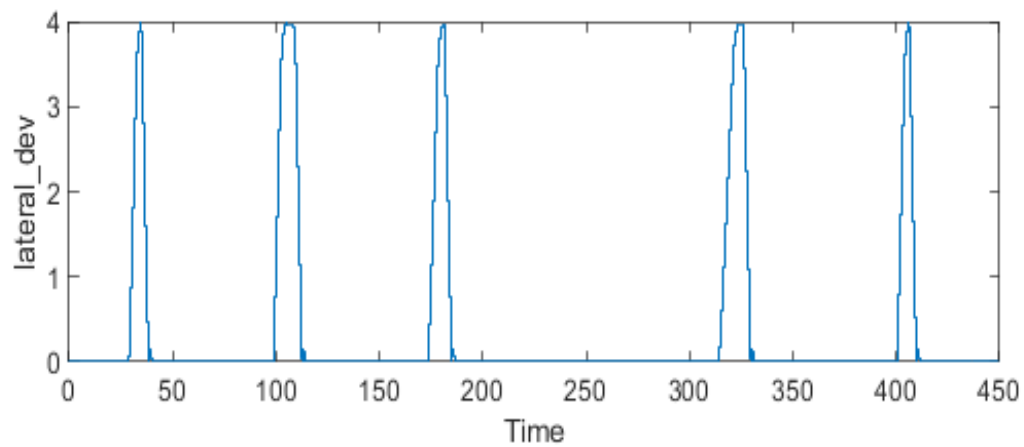
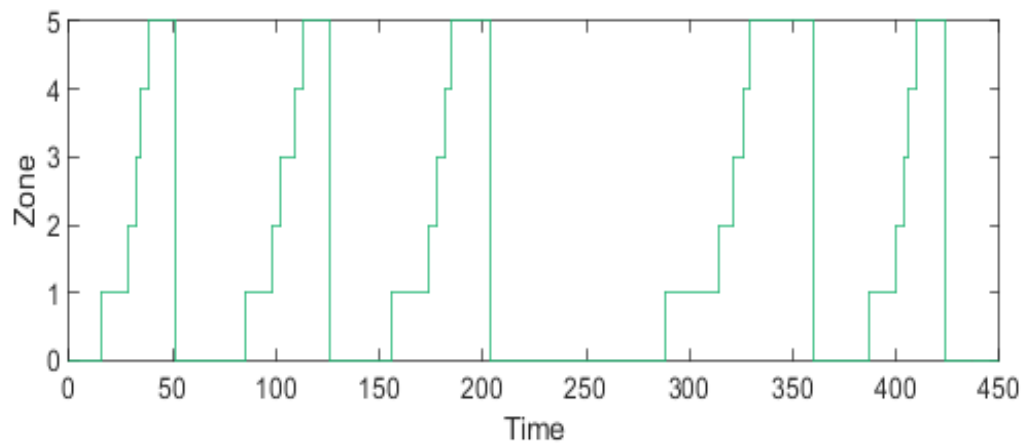
Stop Time:450

Checksum:452879779 4236152258 833548563 2319737473

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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20° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:29:45

End Time: 09-Jun-2021 17:31:54
Outcome: Passed

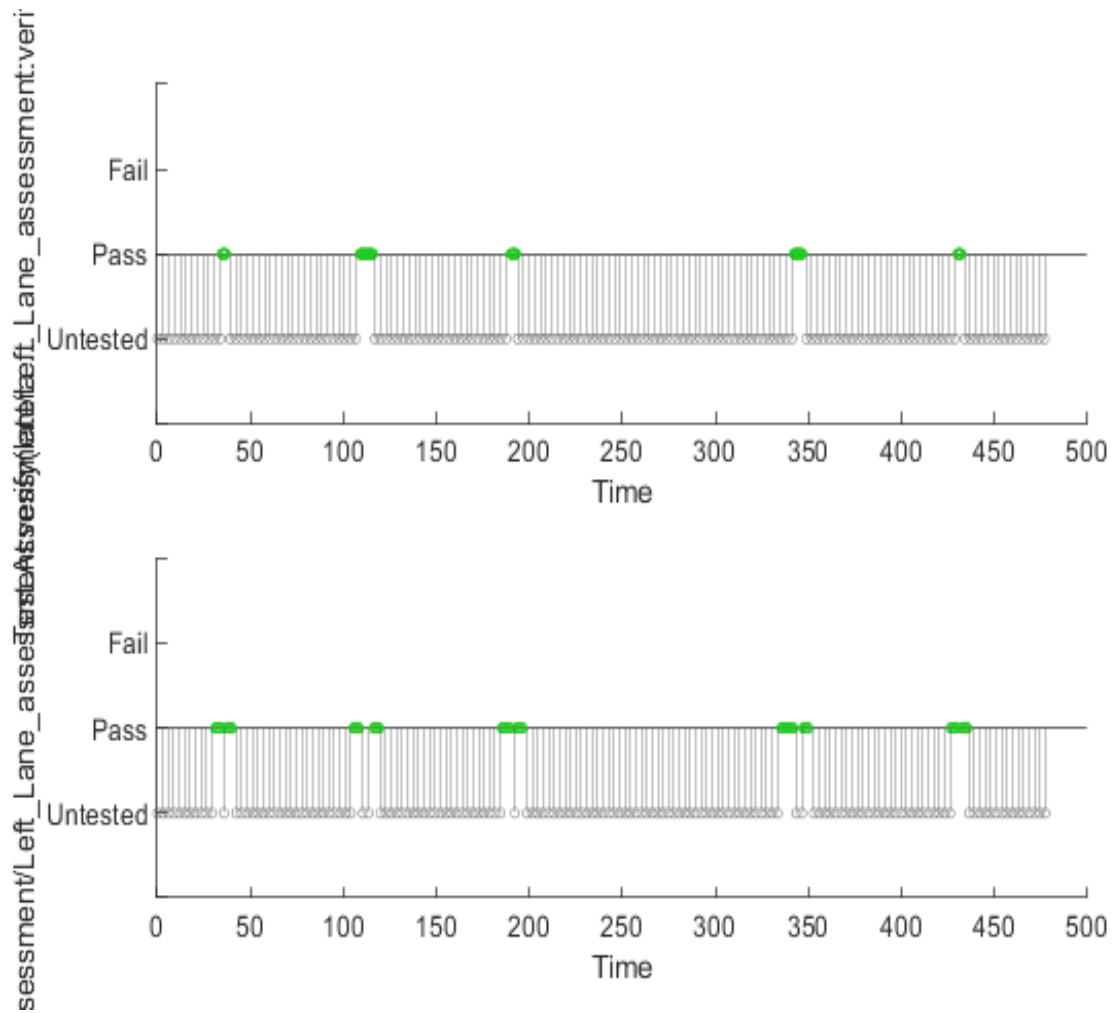
Test Case Information

Name: 20° 40km/h
Type: Simulation Test

Verify Result

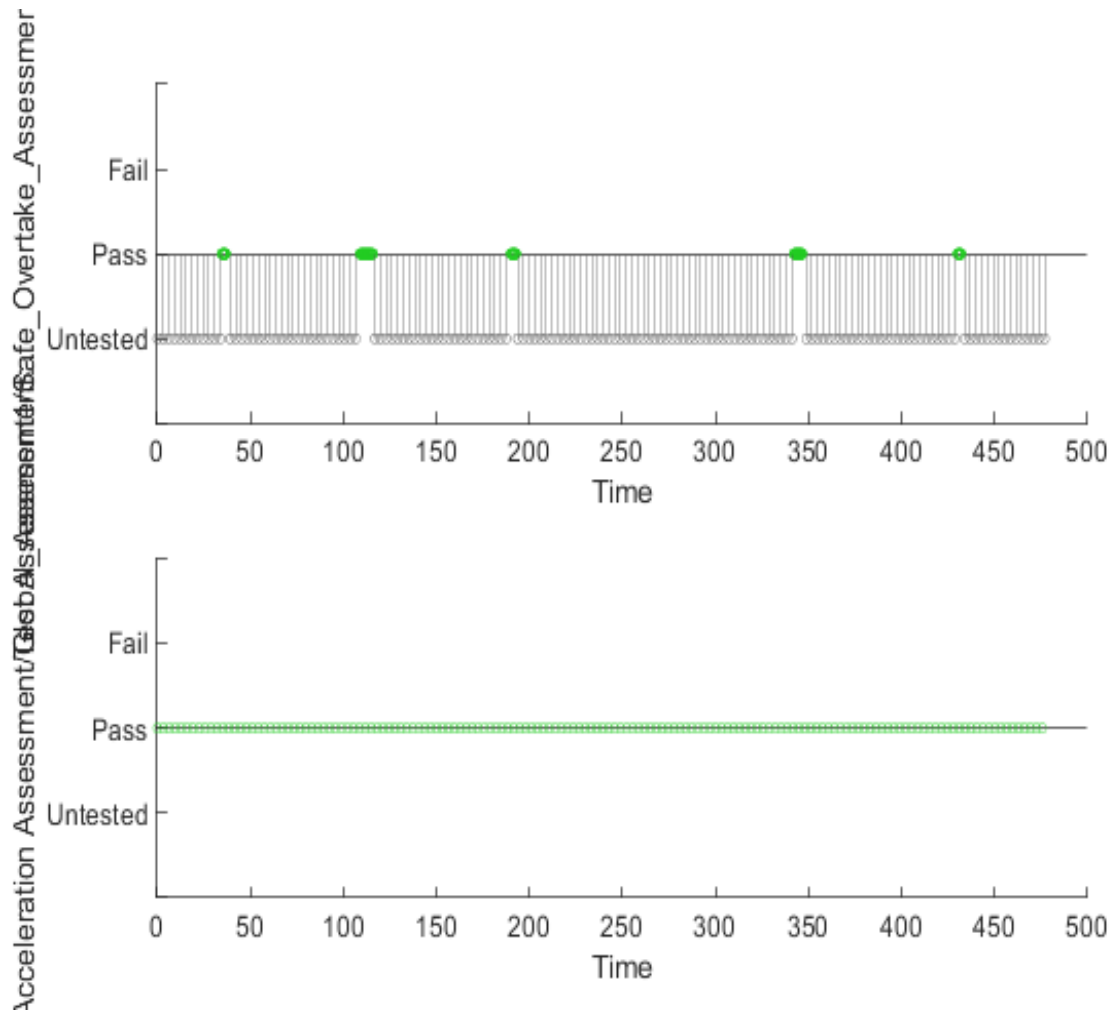
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

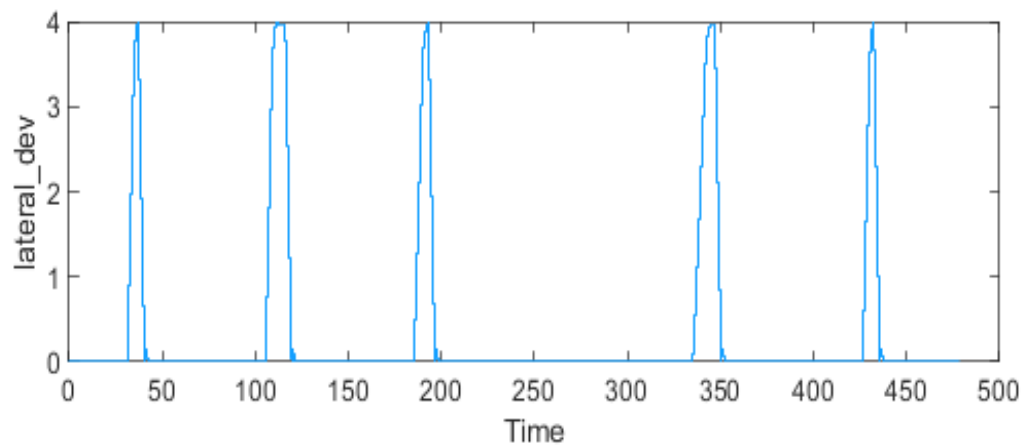
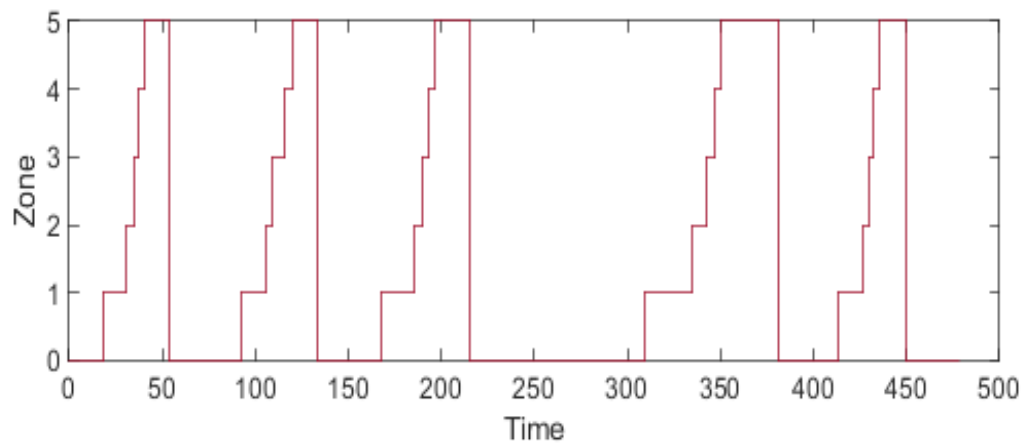
Stop Time:478.88457899581607

Checksum:1995938312 1532867822 2890442394 3182055057

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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45° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:31:54

End Time: 09-Jun-2021 17:34:39
Outcome: Passed

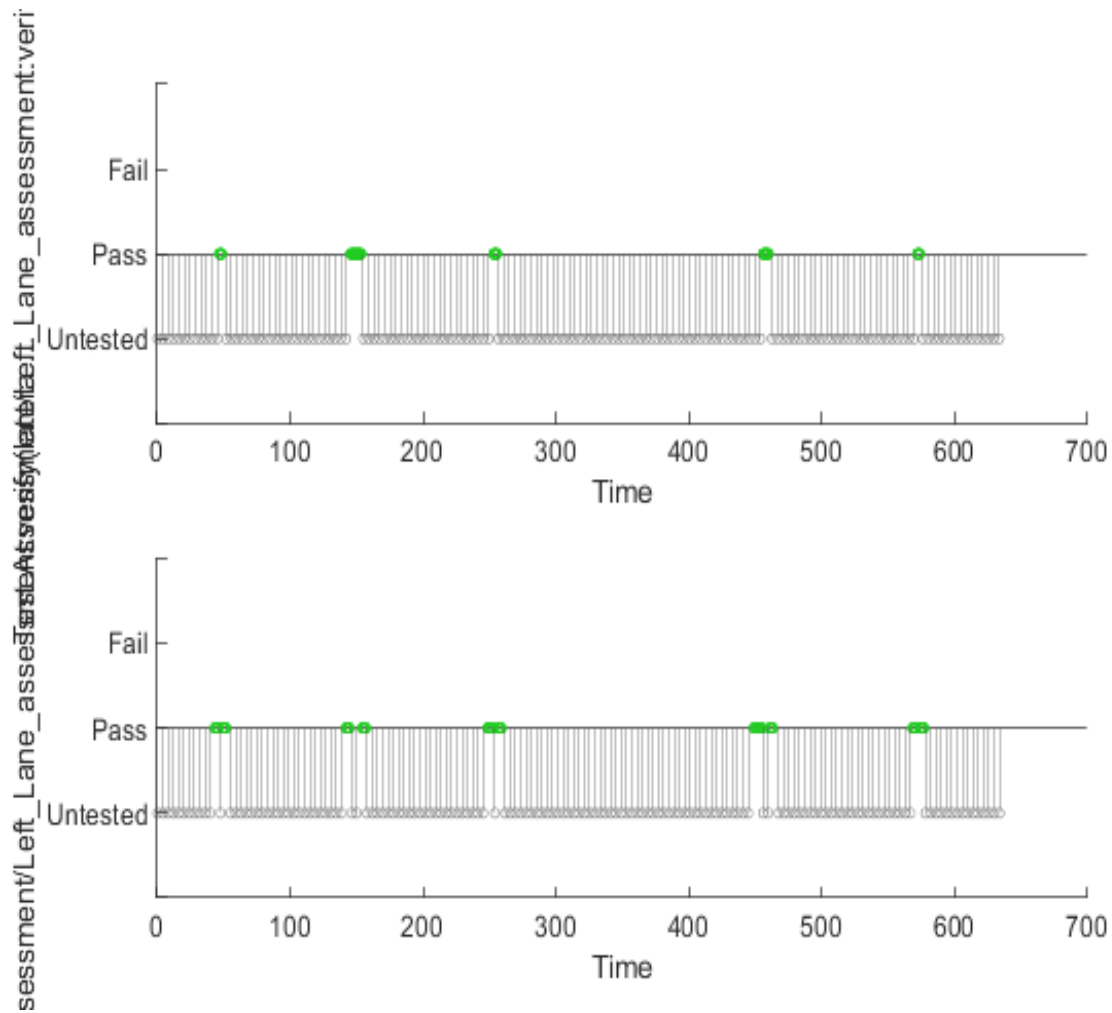
Test Case Information

Name: 45° 40km/h
Type: Simulation Test

Verify Result

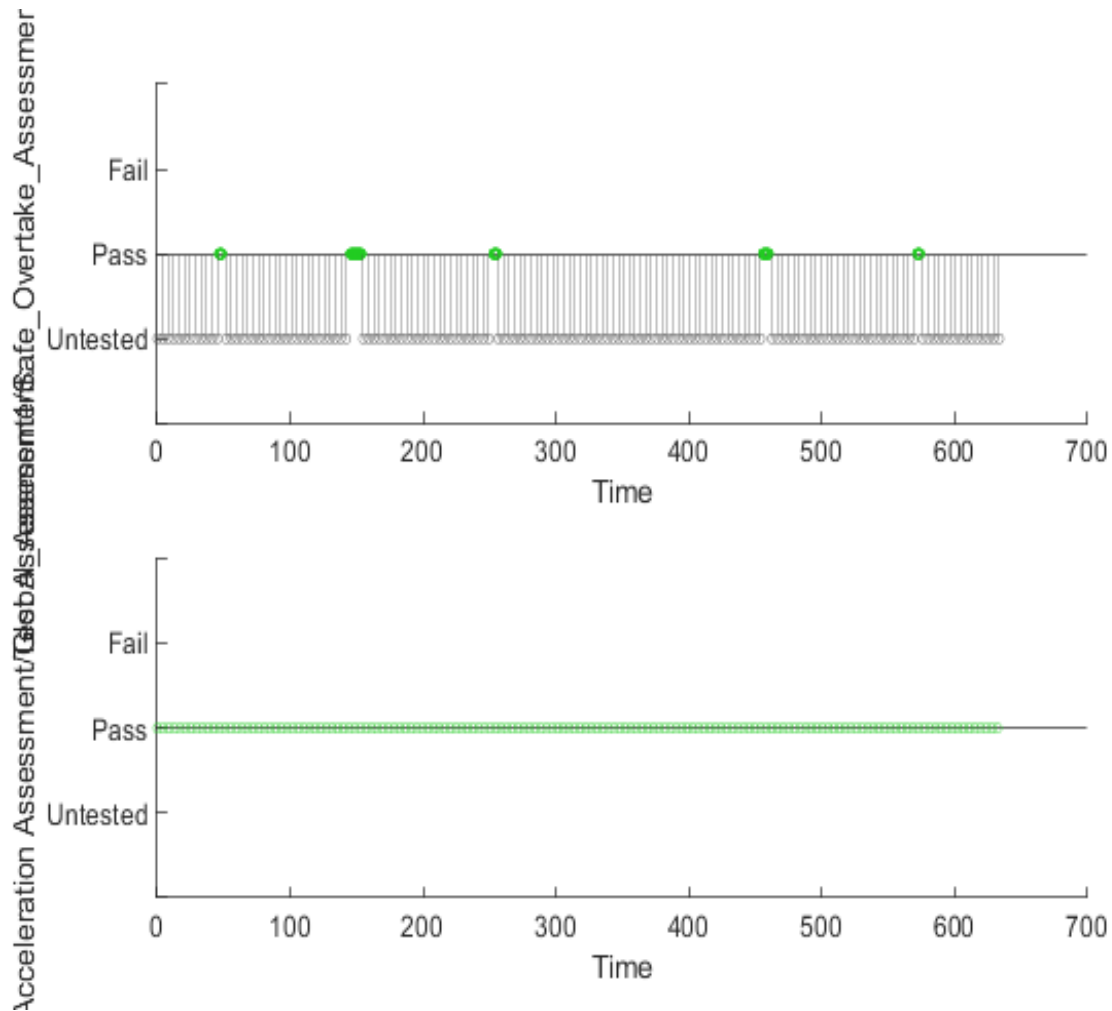
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

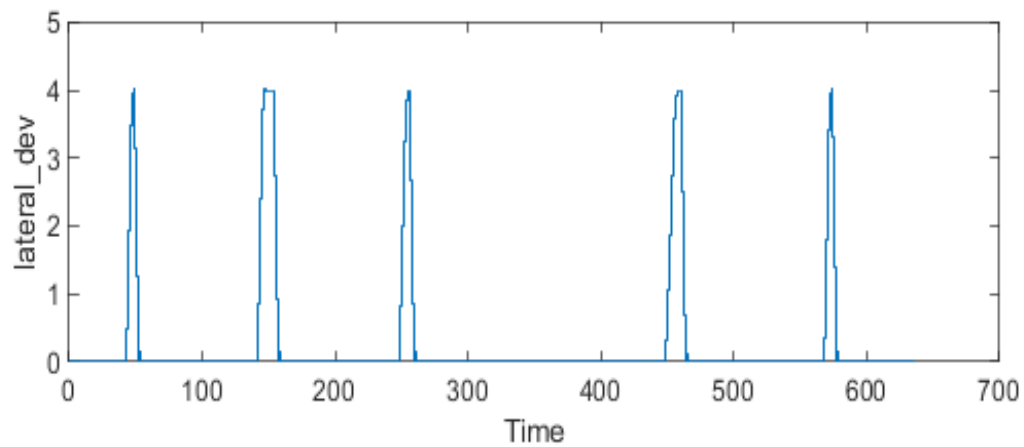
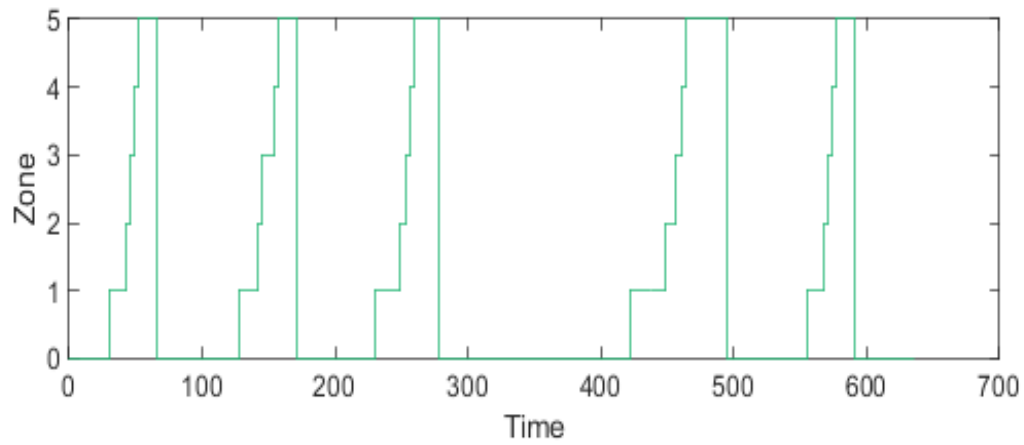
Stop Time:636.3961030678928

Checksum:2060396545 384323415 1780129787 2398821717

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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70° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 40km/h](#)
Start Time: 09-Jun-2021 17:34:39

End Time: 09-Jun-2021 17:36:07
Outcome: Passed

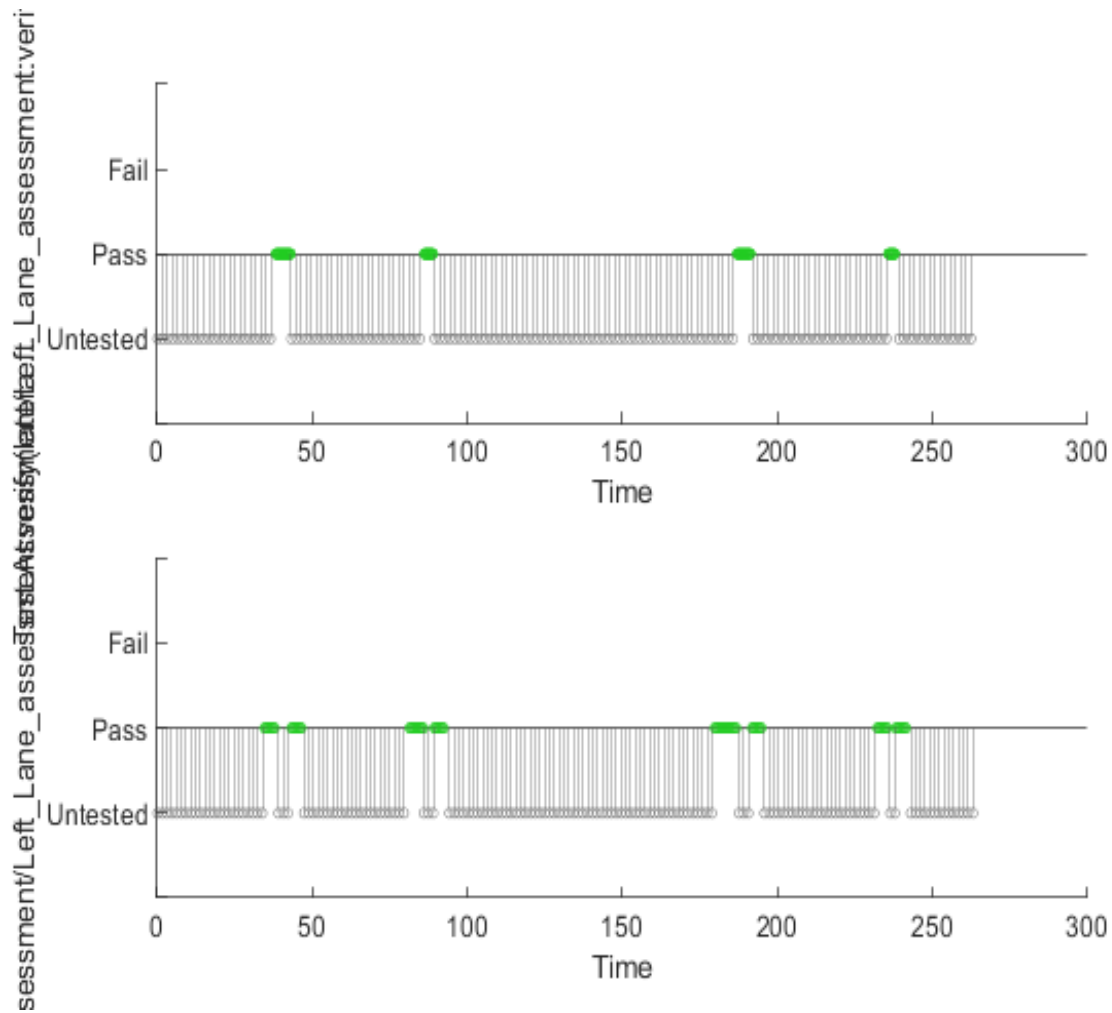
Test Case Information

Name: 70° 40km/h
Type: Simulation Test

Verify Result

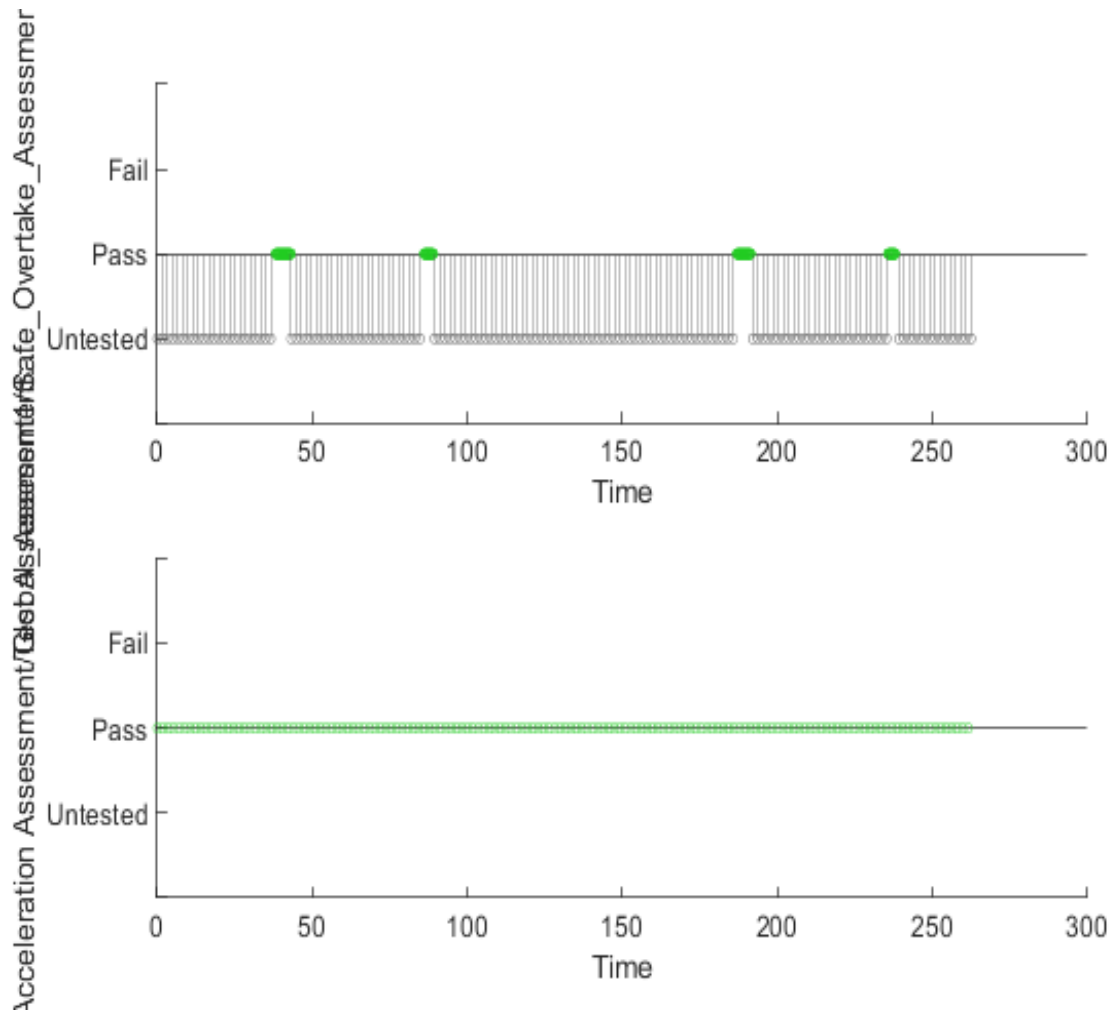
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

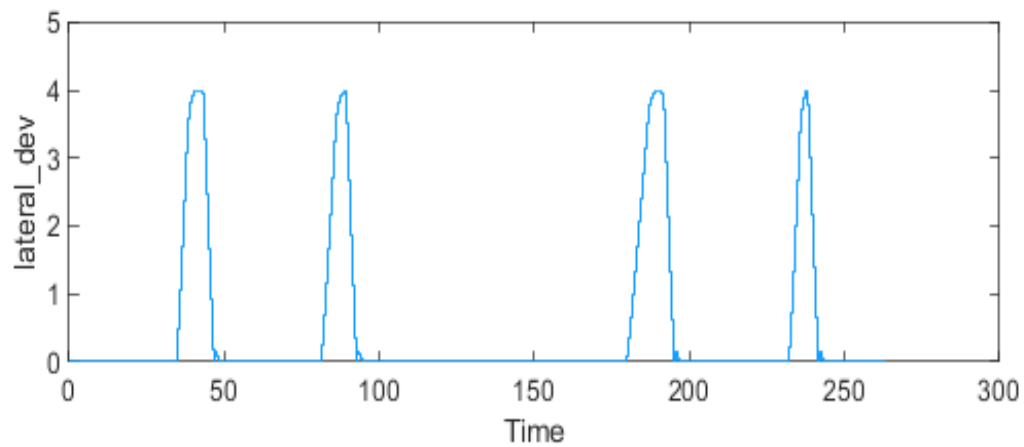
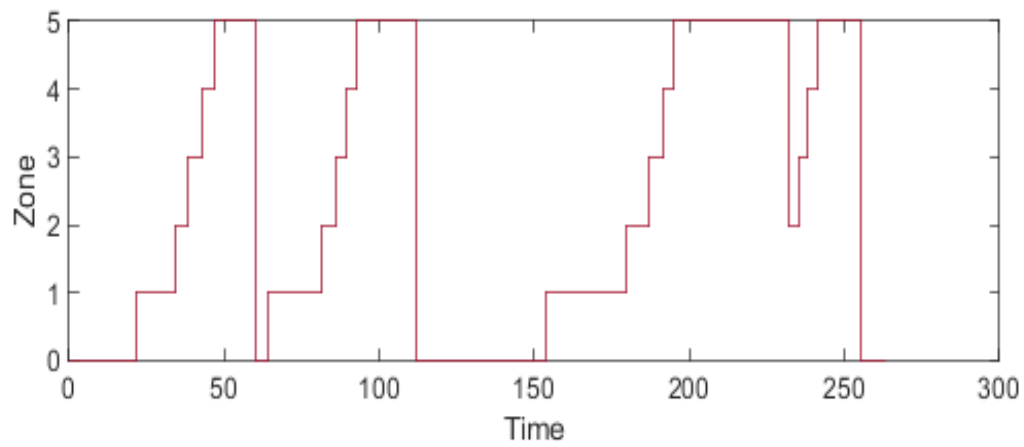
Stop Time:263.10201994663595

Checksum:3860222368 934943681 3754432351 1980782047

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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90° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:36:07

End Time: 09-Jun-2021 17:38:10
Outcome: Passed

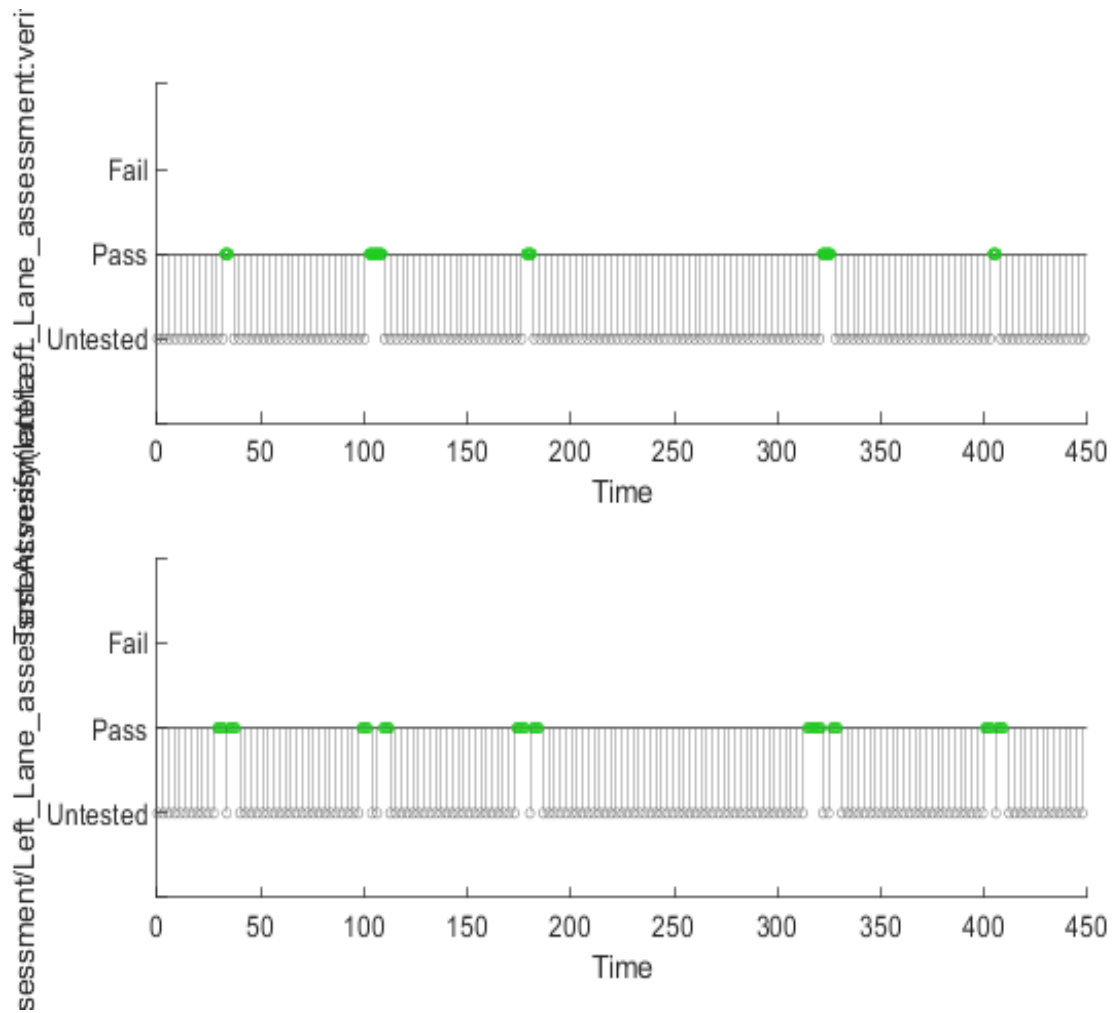
Test Case Information

Name: 90° 40km/h
Type: Simulation Test

Verify Result

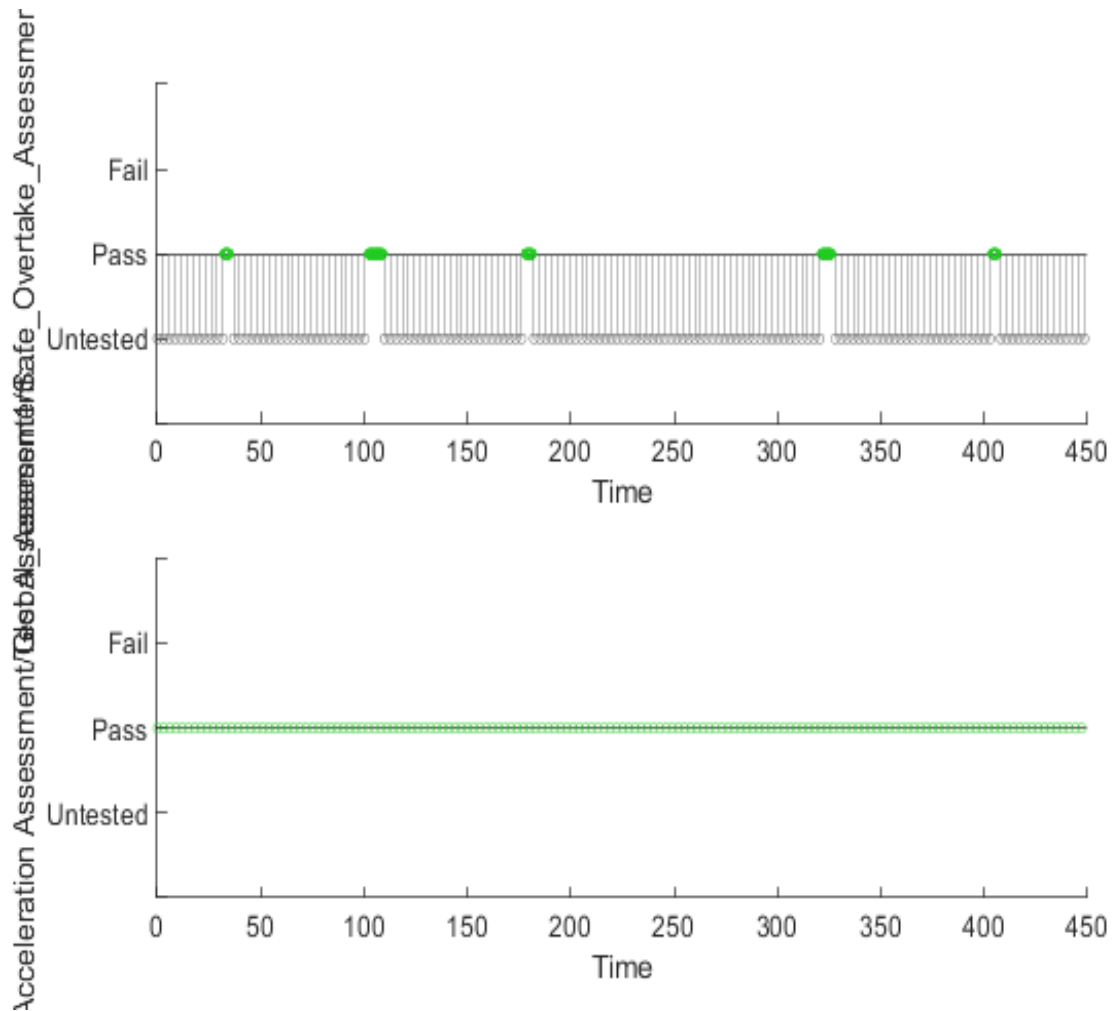
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✔	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✔	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

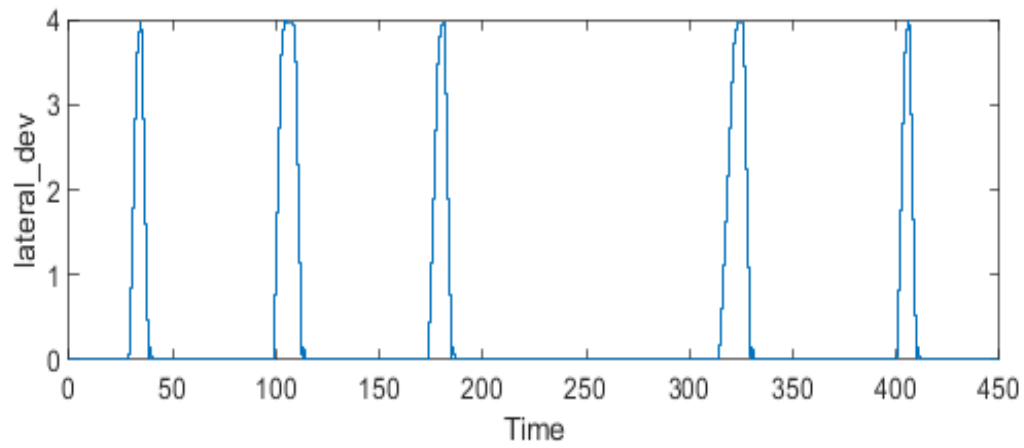
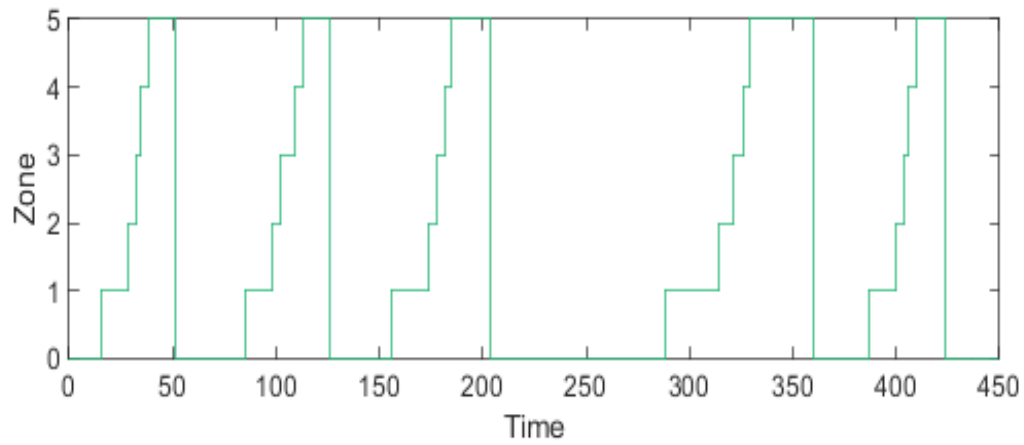
Stop Time:450

Checksum:452879779 4236152258 833548563 2319737473

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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110° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:38:10

End Time: 09-Jun-2021 17:39:50
Outcome: Passed

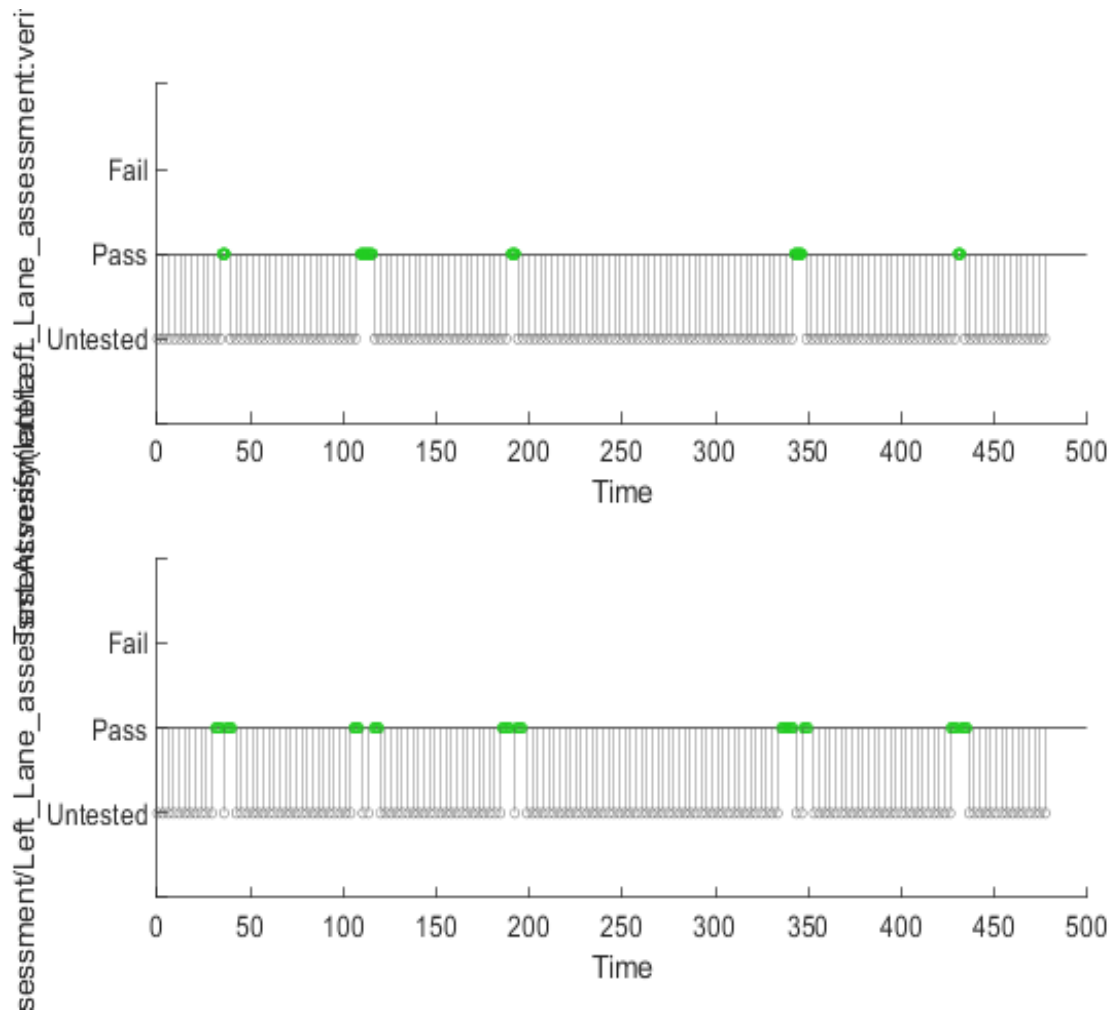
Test Case Information

Name: 110° 40km/h
Type: Simulation Test

Verify Result

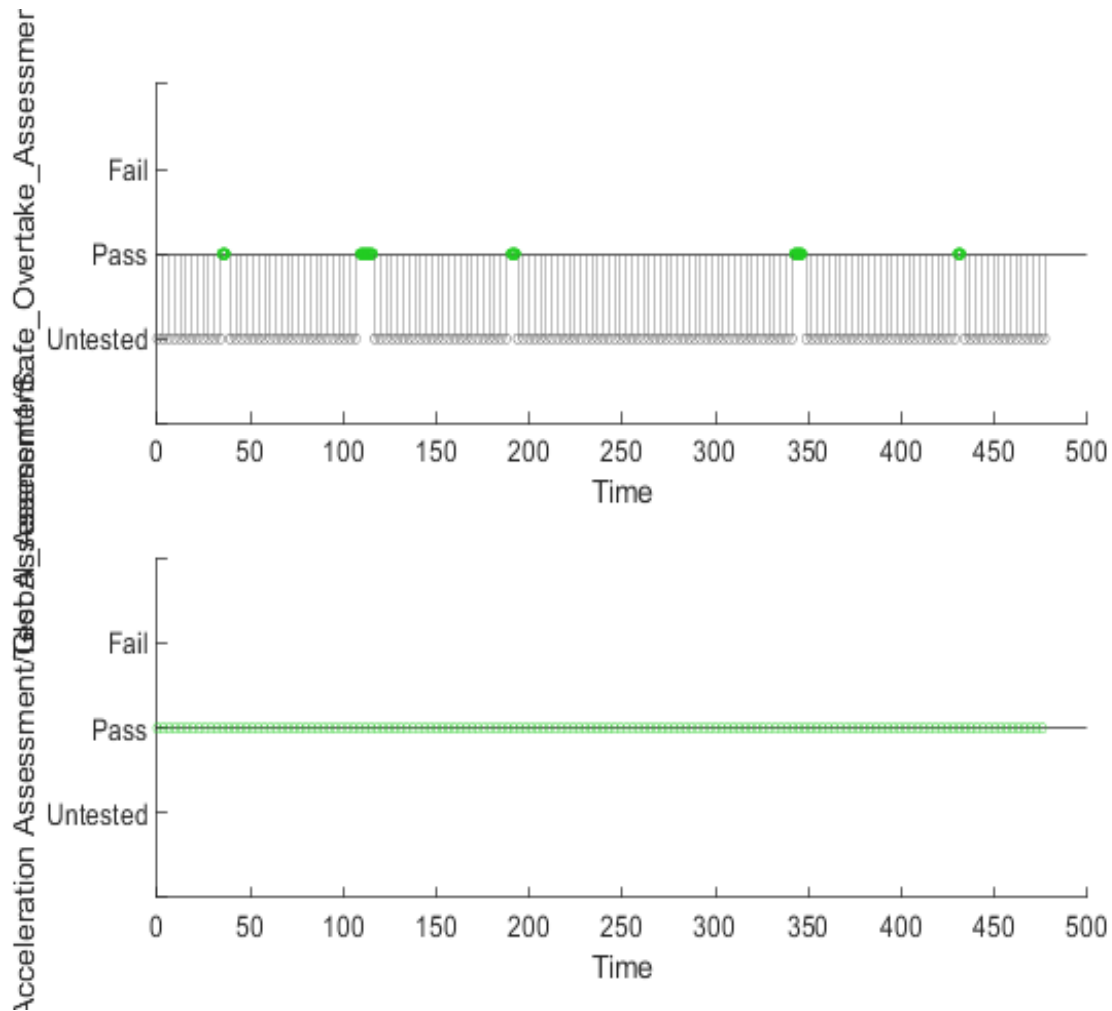
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

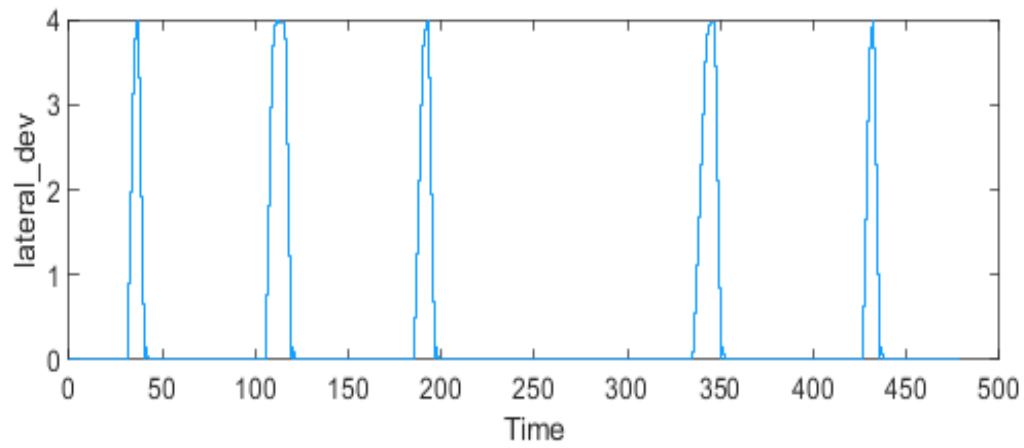
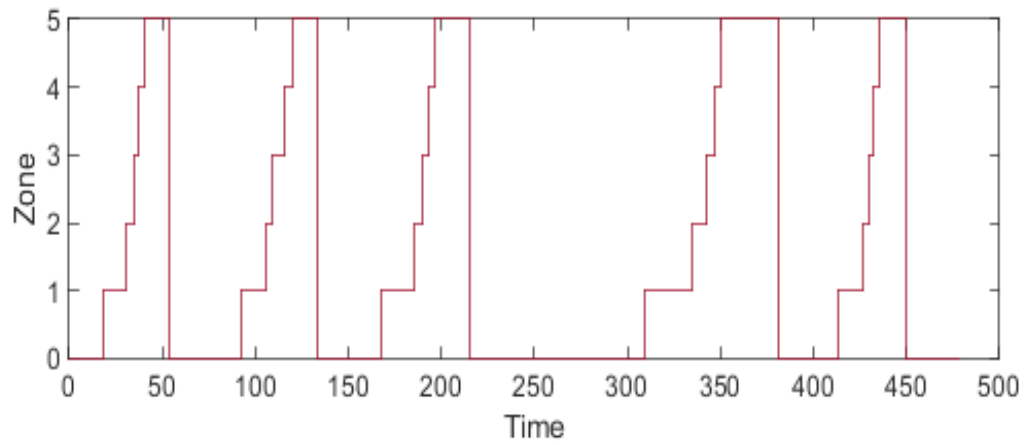
Stop Time:478.88457899581607

Checksum:1995938312 1532867822 2890442394 3182055057

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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135° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:39:50

End Time: 09-Jun-2021 17:42:15
Outcome: Passed

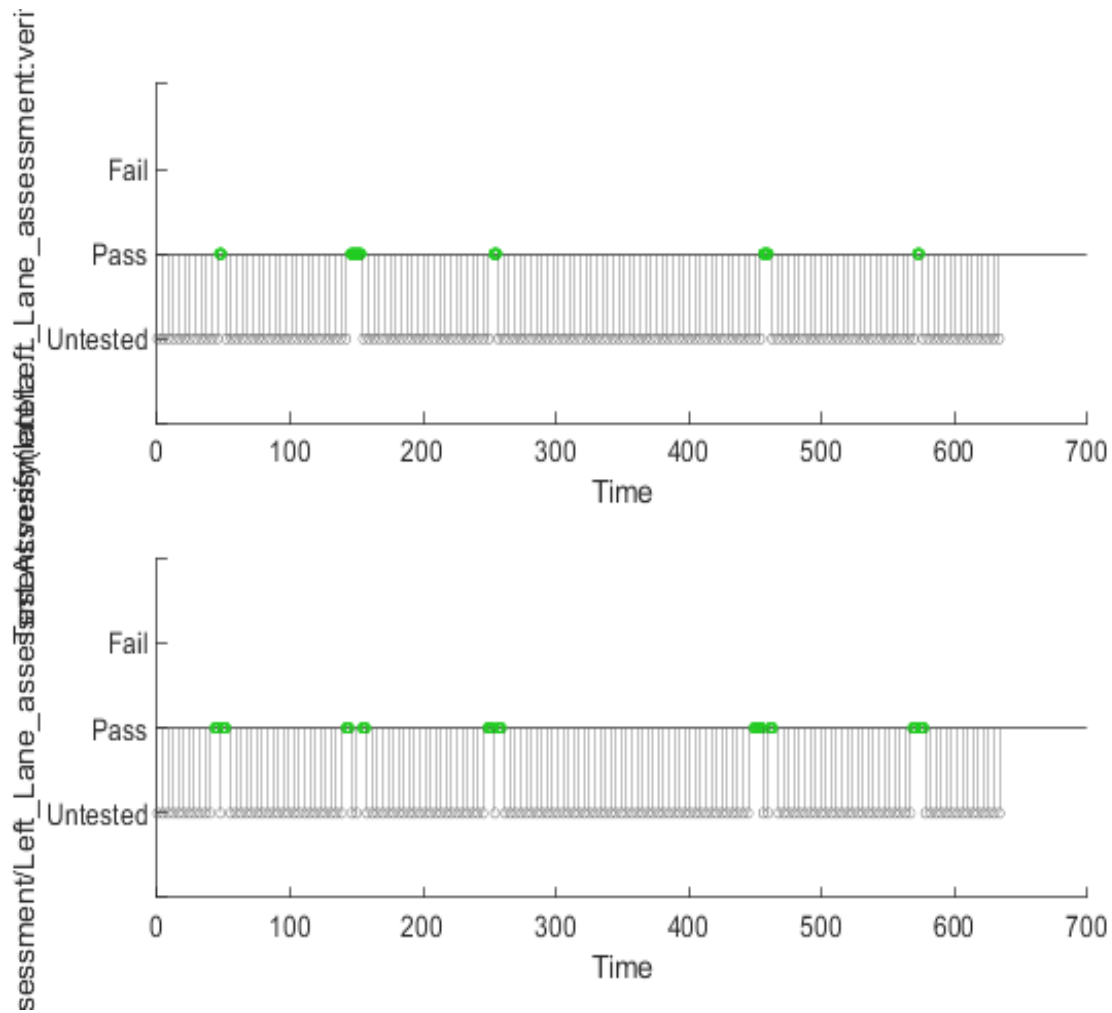
Test Case Information

Name: 135° 40km/h
Type: Simulation Test

Verify Result

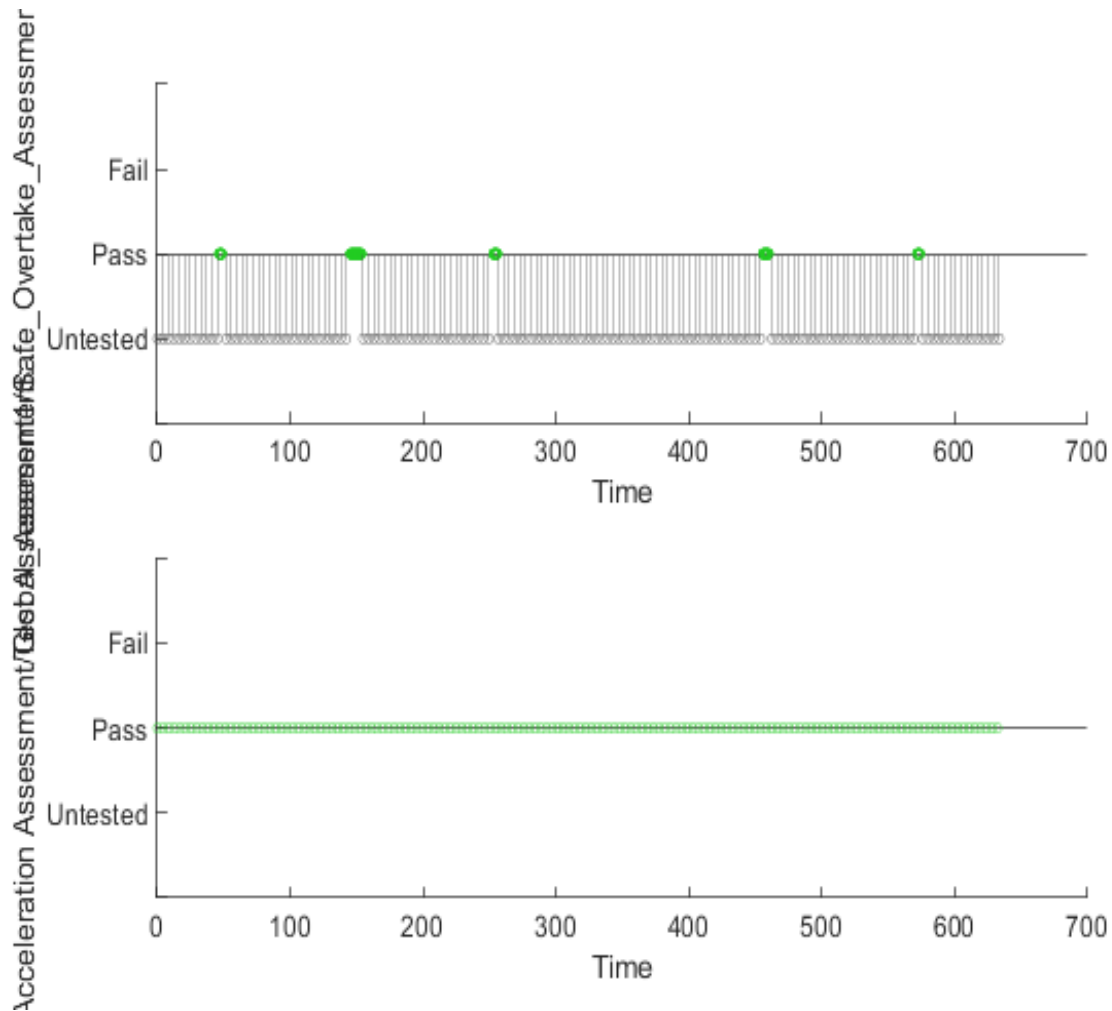
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

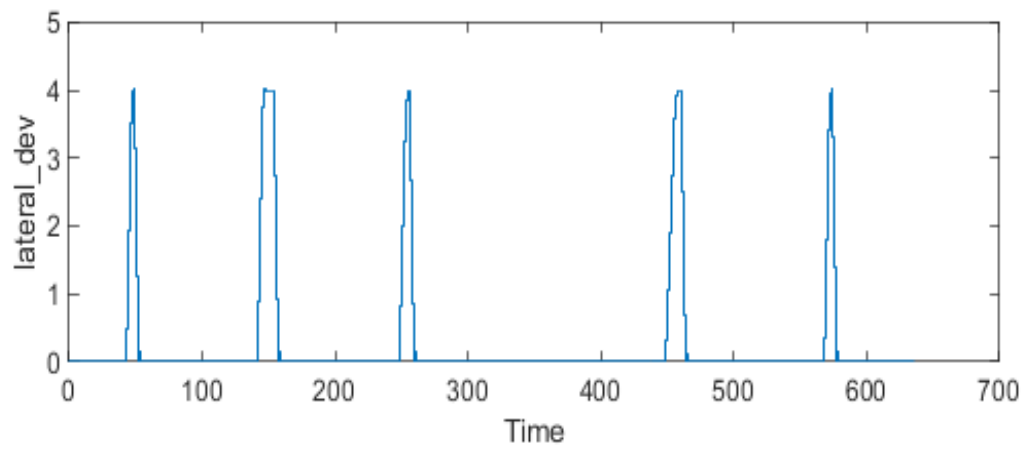
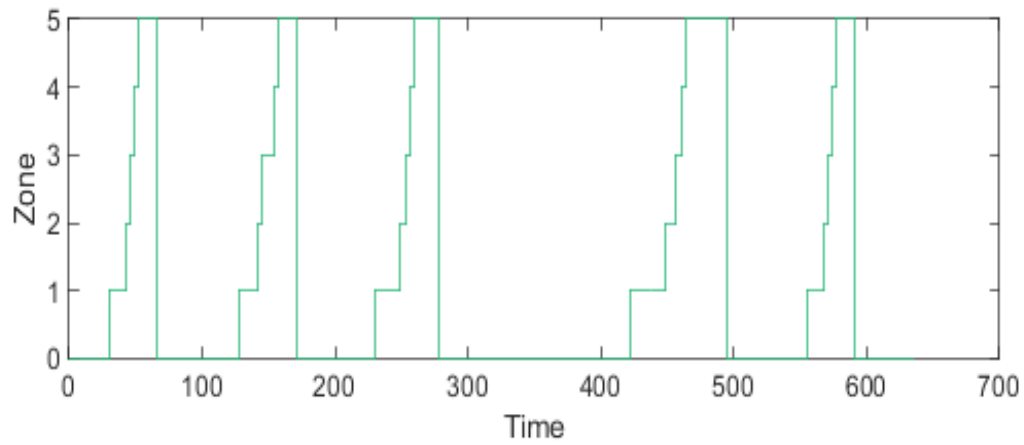
Stop Time:636.3961030678928

Checksum:2060396545 384323415 1780129787 2398821717

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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160° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:42:15

End Time: 09-Jun-2021 17:43:01
Outcome: Passed

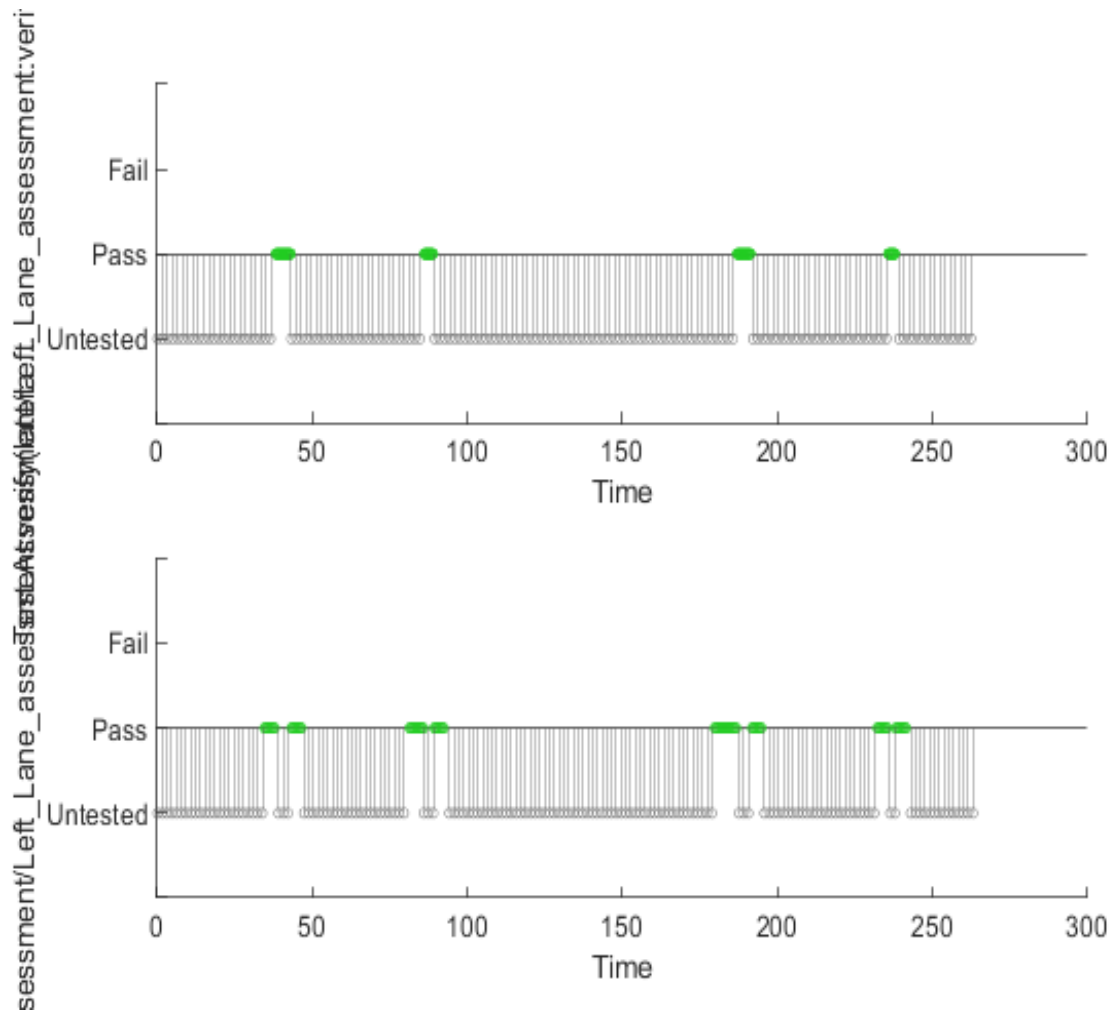
Test Case Information

Name: 160° 40km/h
Type: Simulation Test

Verify Result

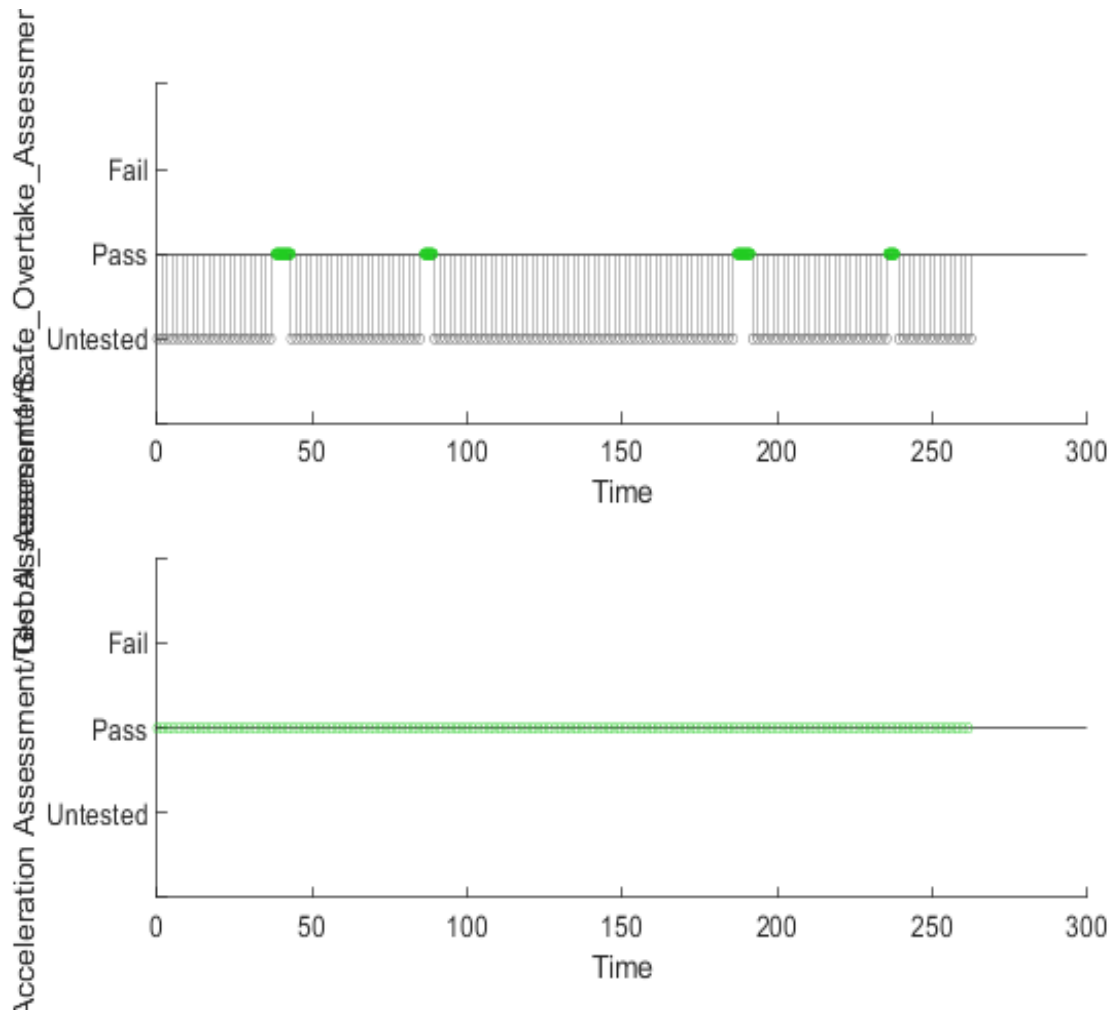
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

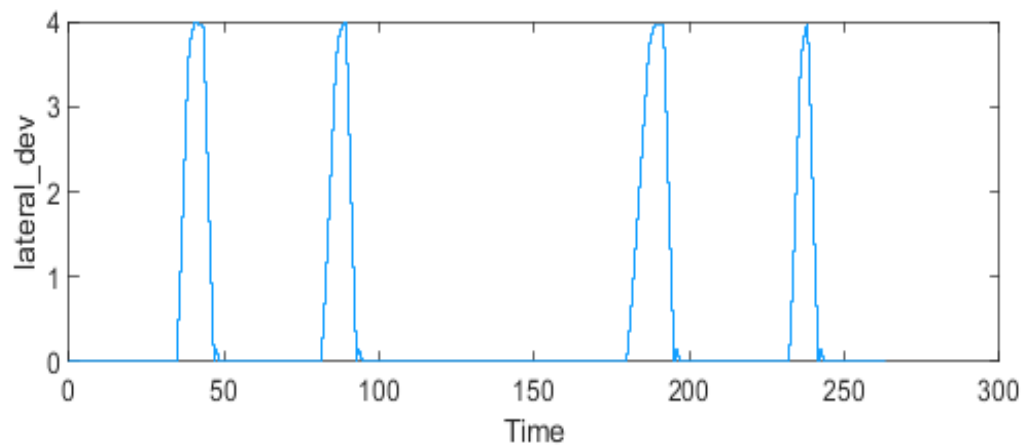
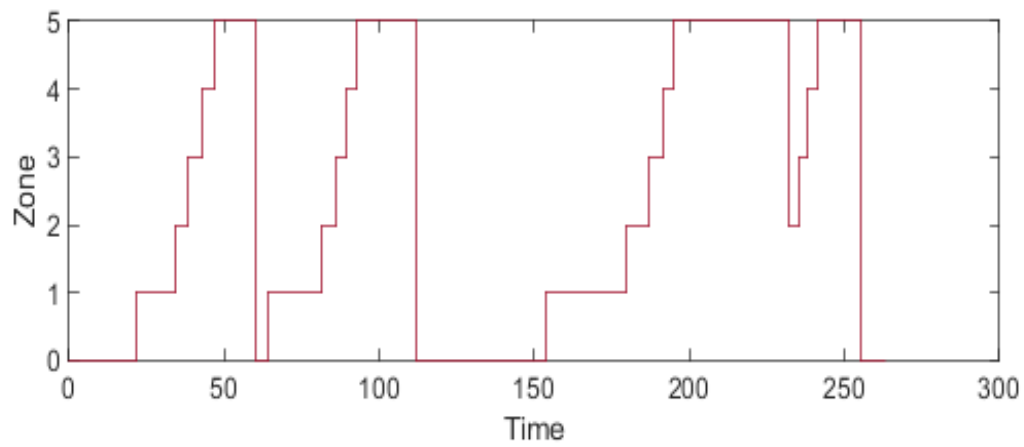
Stop Time:263.10201994663595

Checksum:3860222368 934943681 3754432351 1980782047

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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180° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:43:02

End Time: 09-Jun-2021 17:44:34
Outcome: Passed

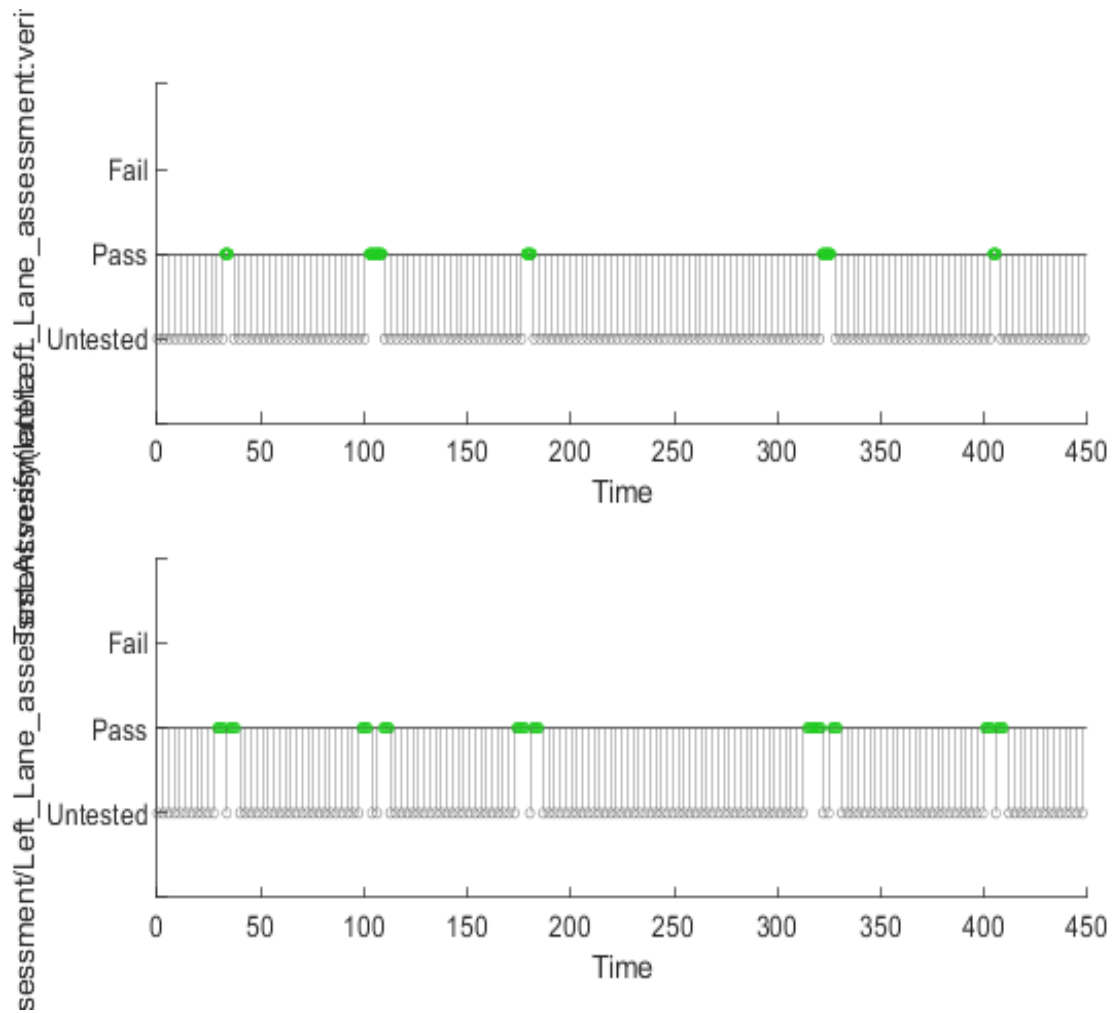
Test Case Information

Name: 180° 40km/h
Type: Simulation Test

Verify Result

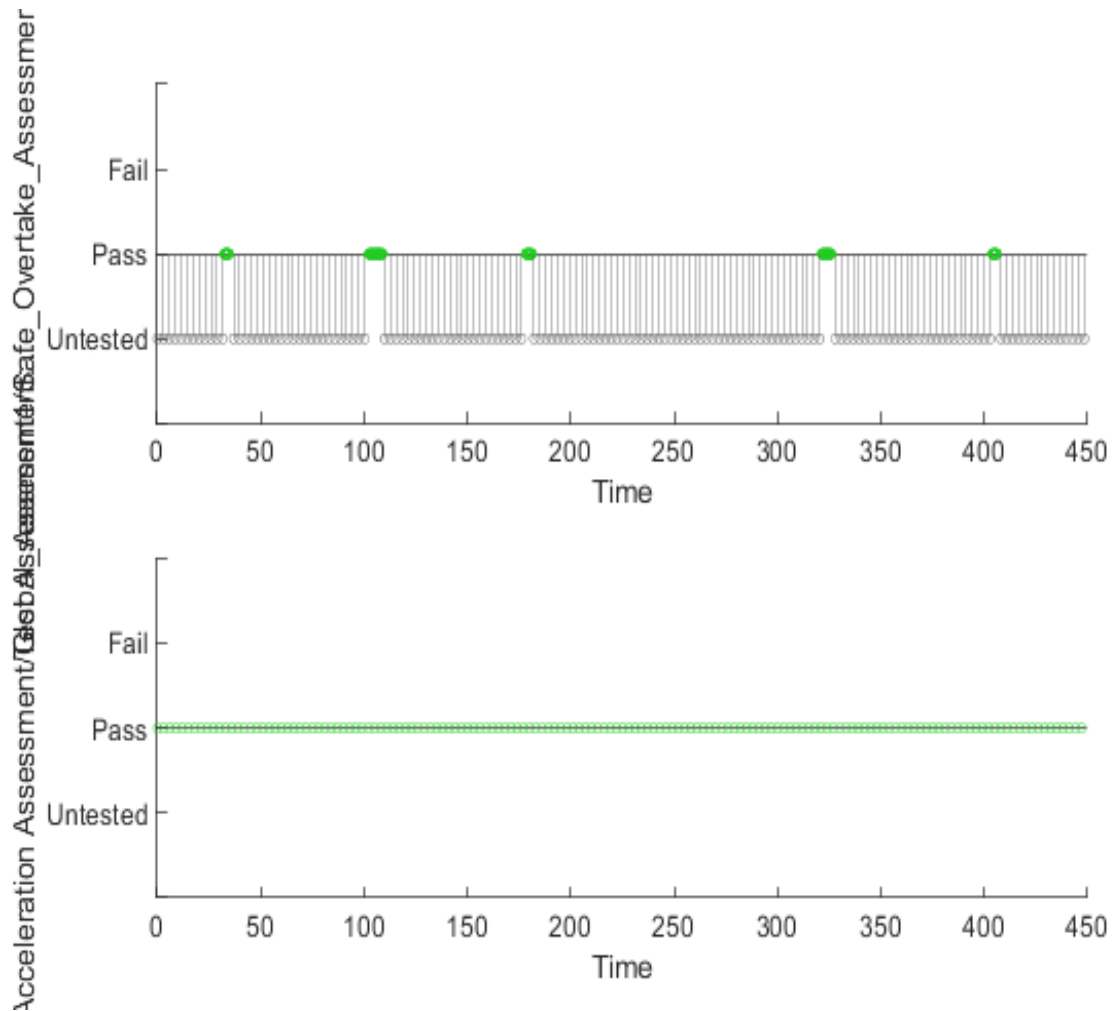
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

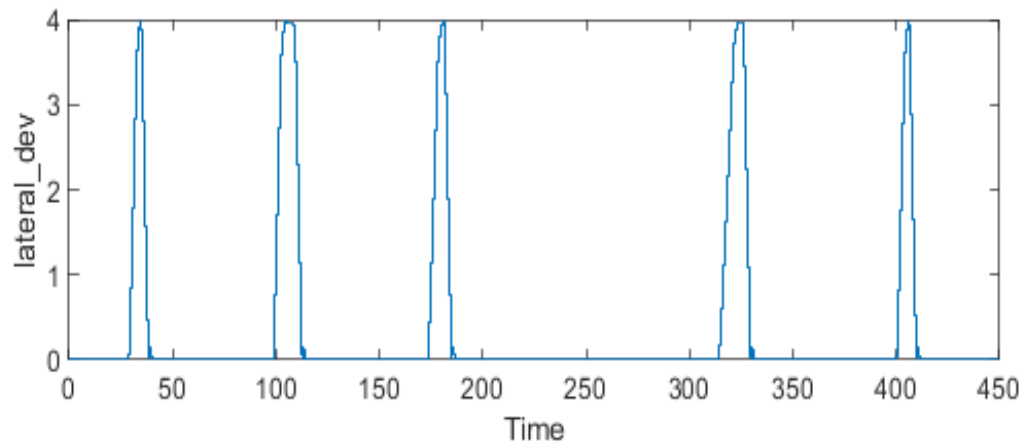
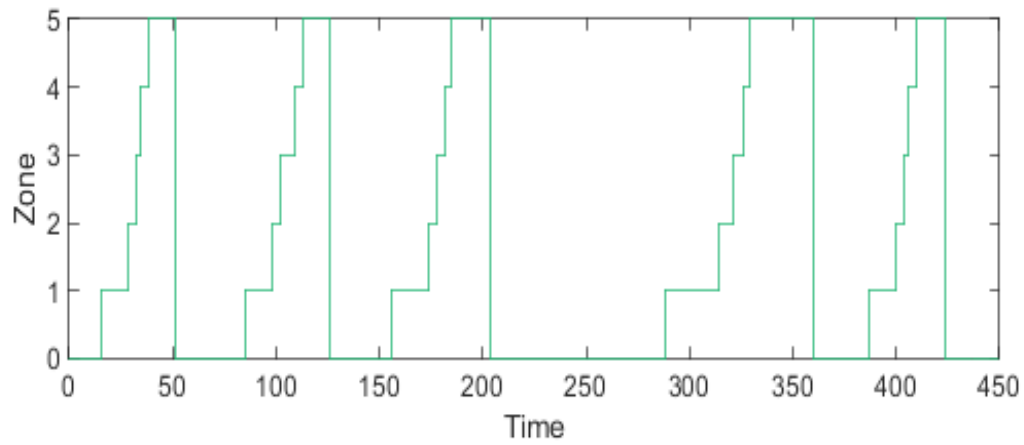
Stop Time:450

Checksum:452879779 4236152258 833548563 2319737473

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-20° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:44:34

End Time: 09-Jun-2021 17:46:09
Outcome: Passed

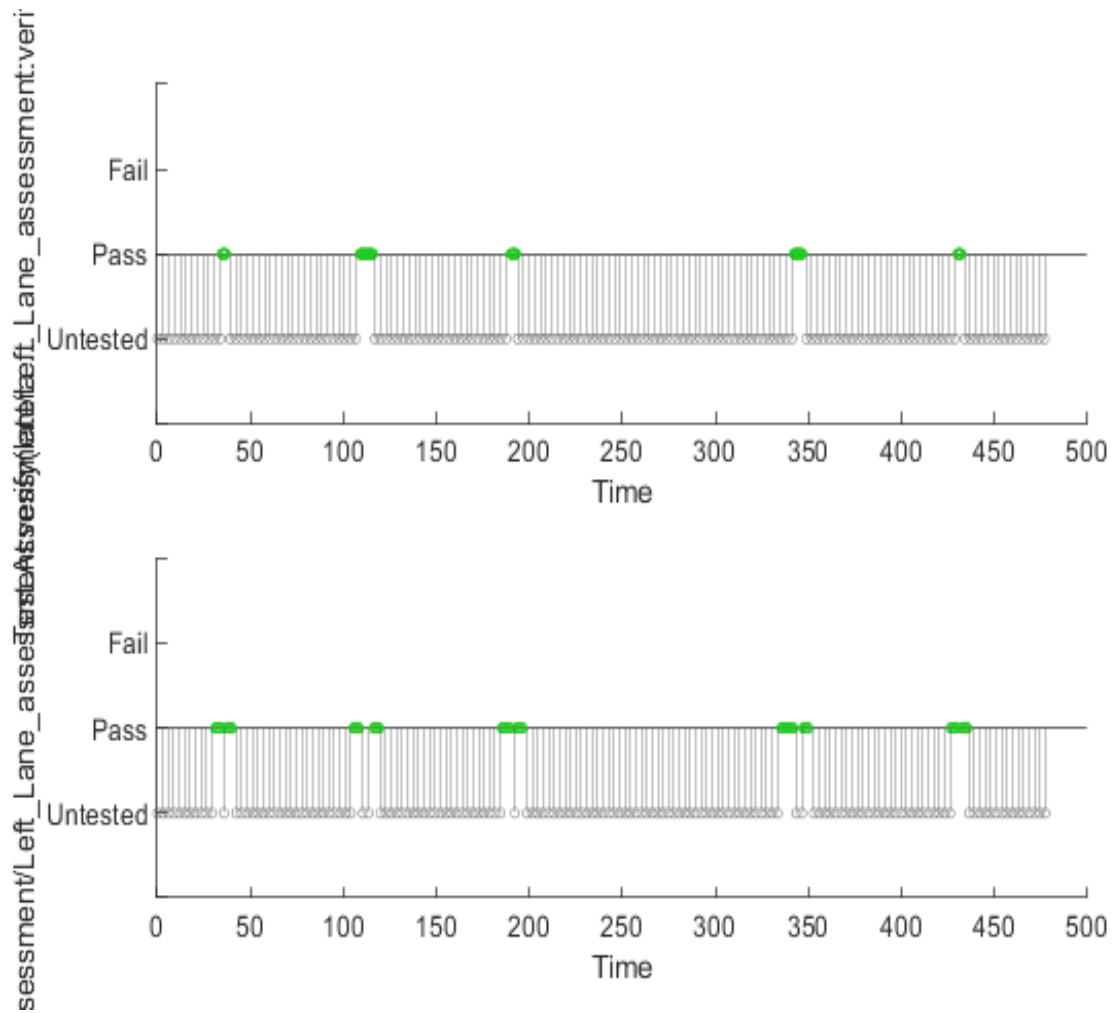
Test Case Information

Name: -20° 40km/h
Type: Simulation Test

Verify Result

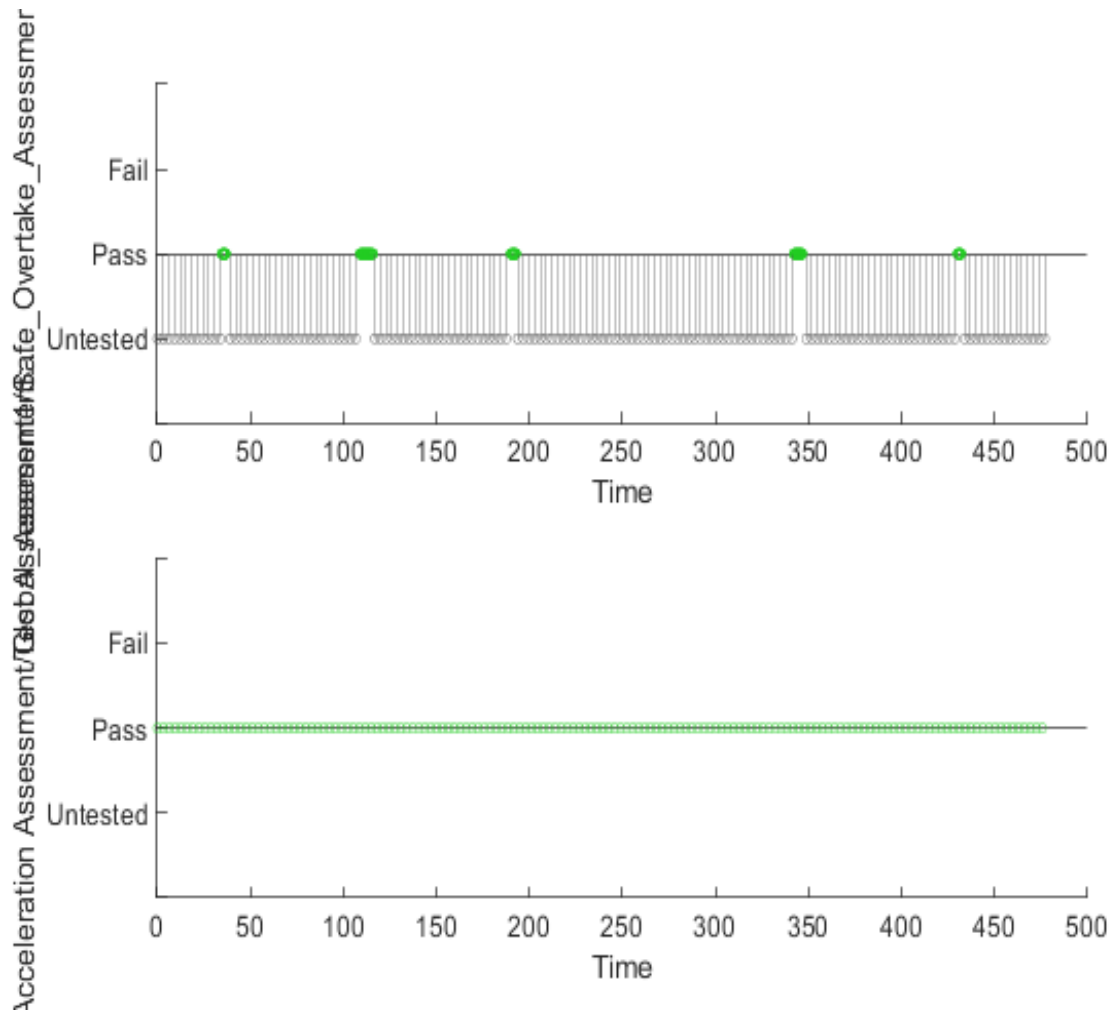
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

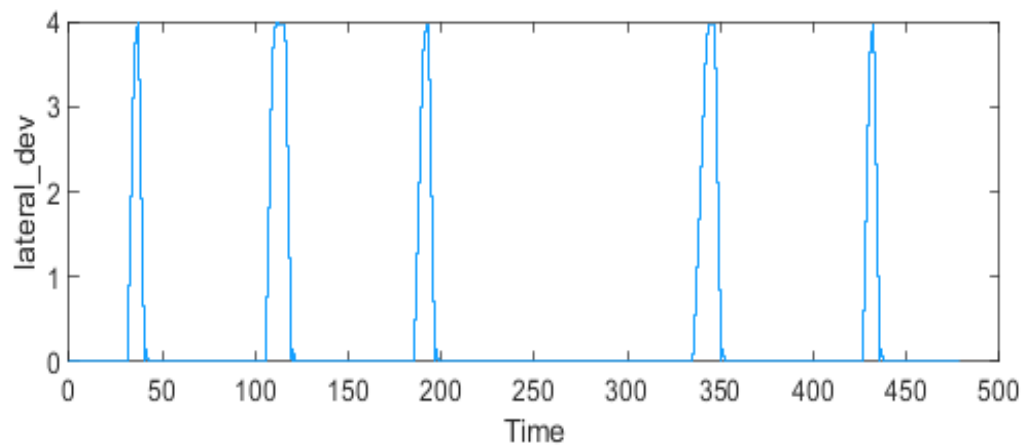
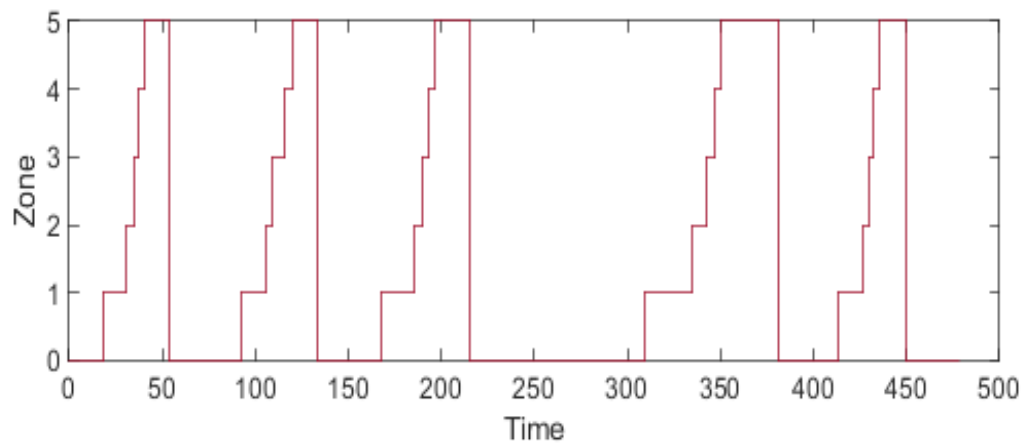
Stop Time:478.88457899581607

Checksum:1995938312 1532867822 2890442394 3182055057

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-45° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:46:09

End Time: 09-Jun-2021 17:48:34
Outcome: Passed

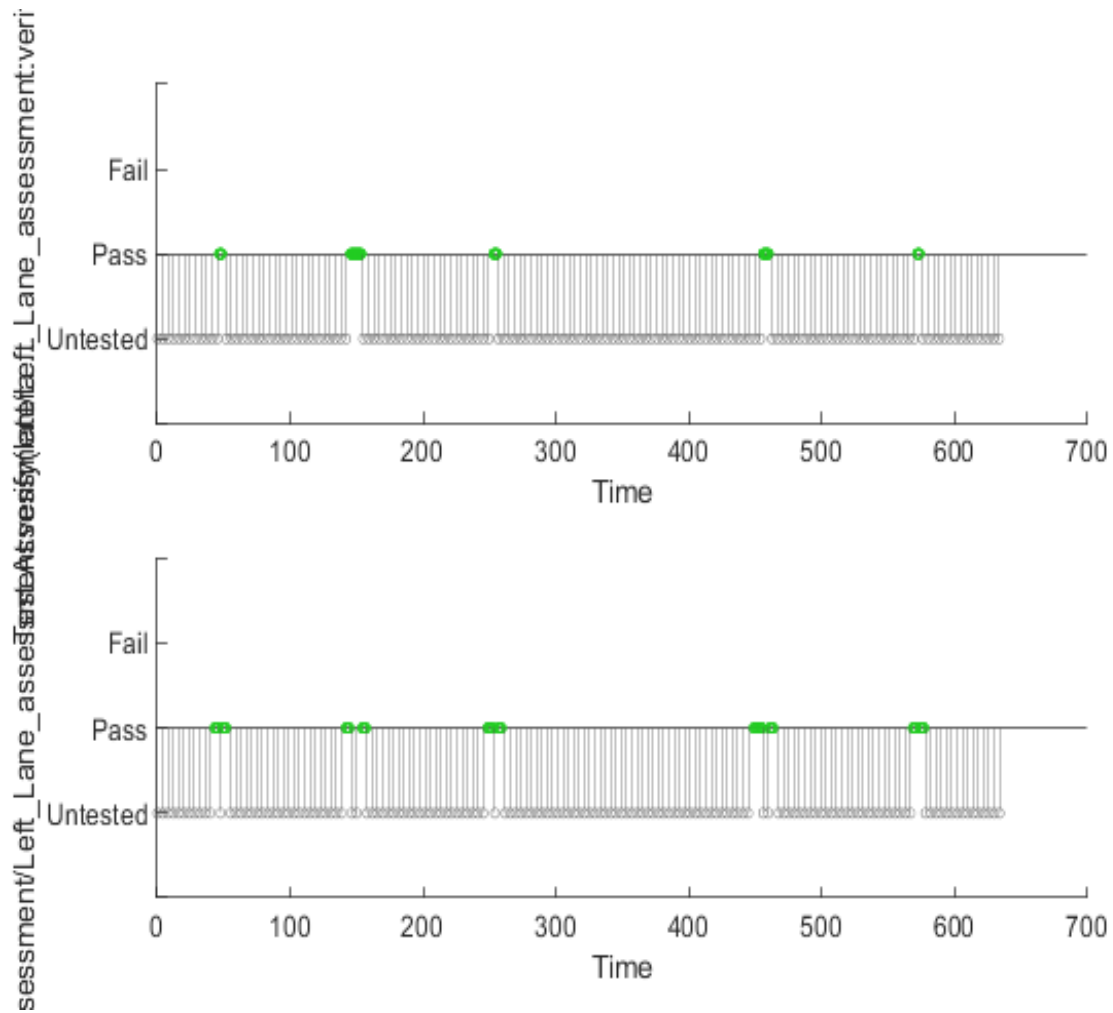
Test Case Information

Name: -45° 40km/h
Type: Simulation Test

Verify Result

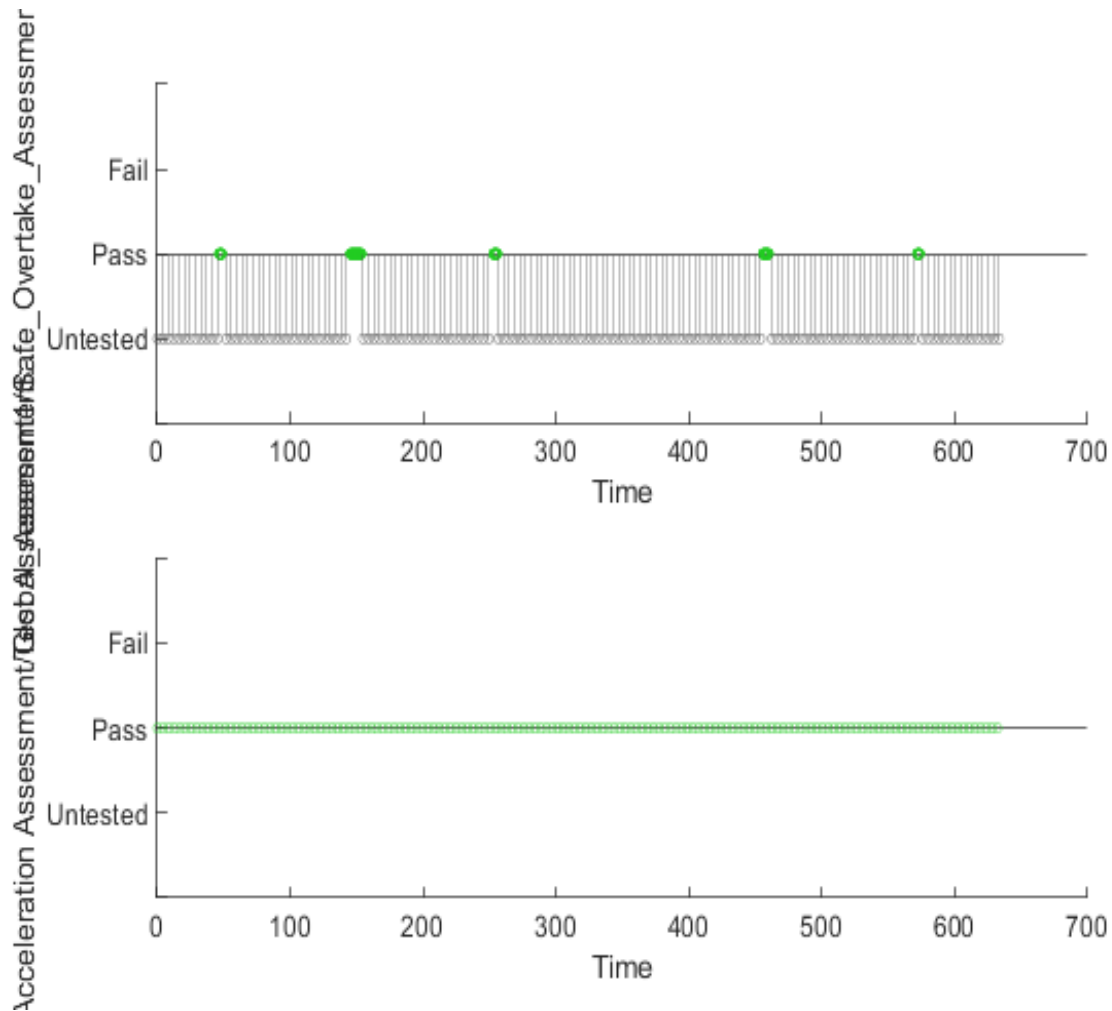
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

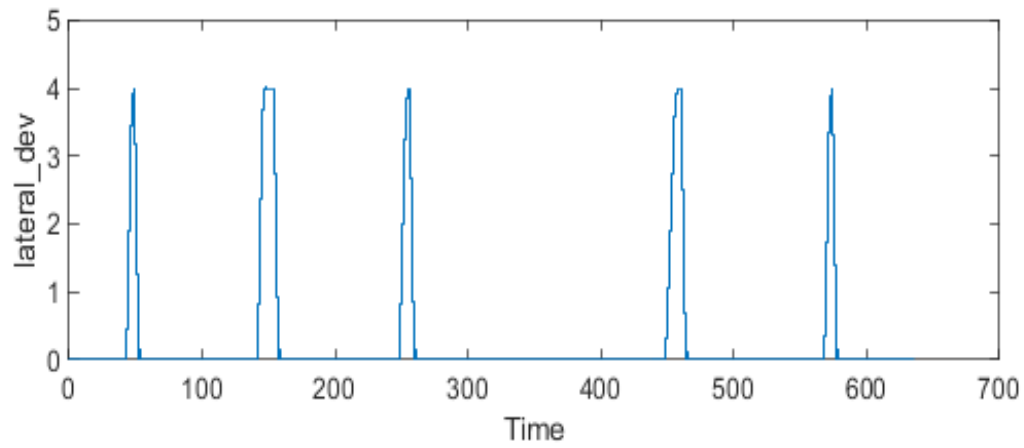
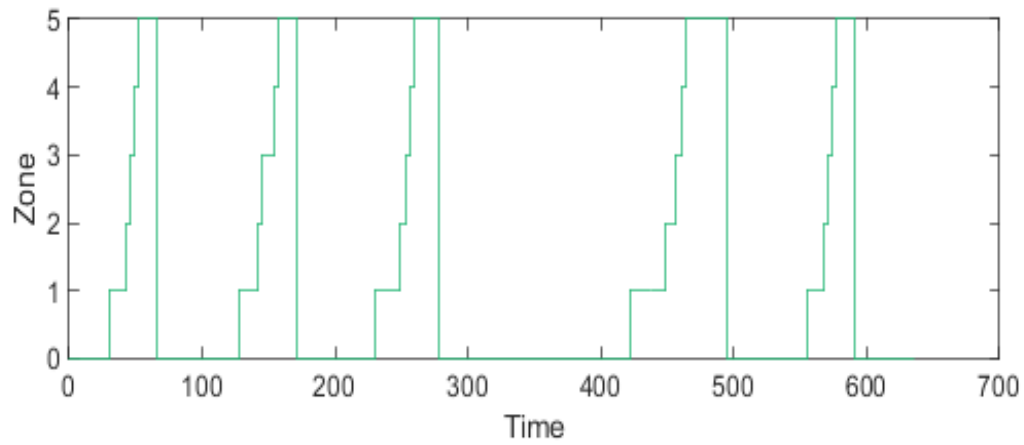
Stop Time:636.3961030678928

Checksum:2060396545 384323415 1780129787 2398821717

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-70° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:48:34

End Time: 09-Jun-2021 17:49:19
Outcome: Passed

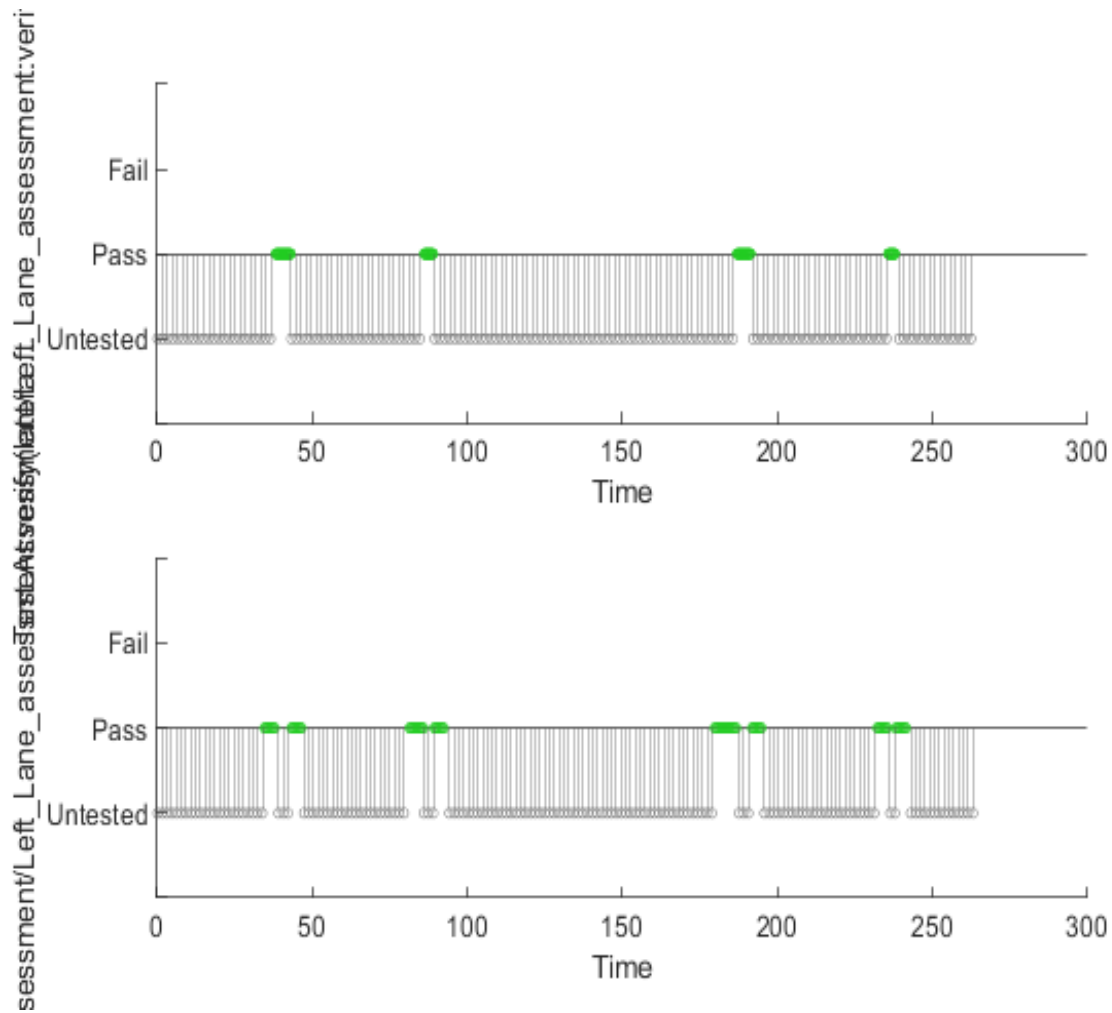
Test Case Information

Name: -70° 40km/h
Type: Simulation Test

Verify Result

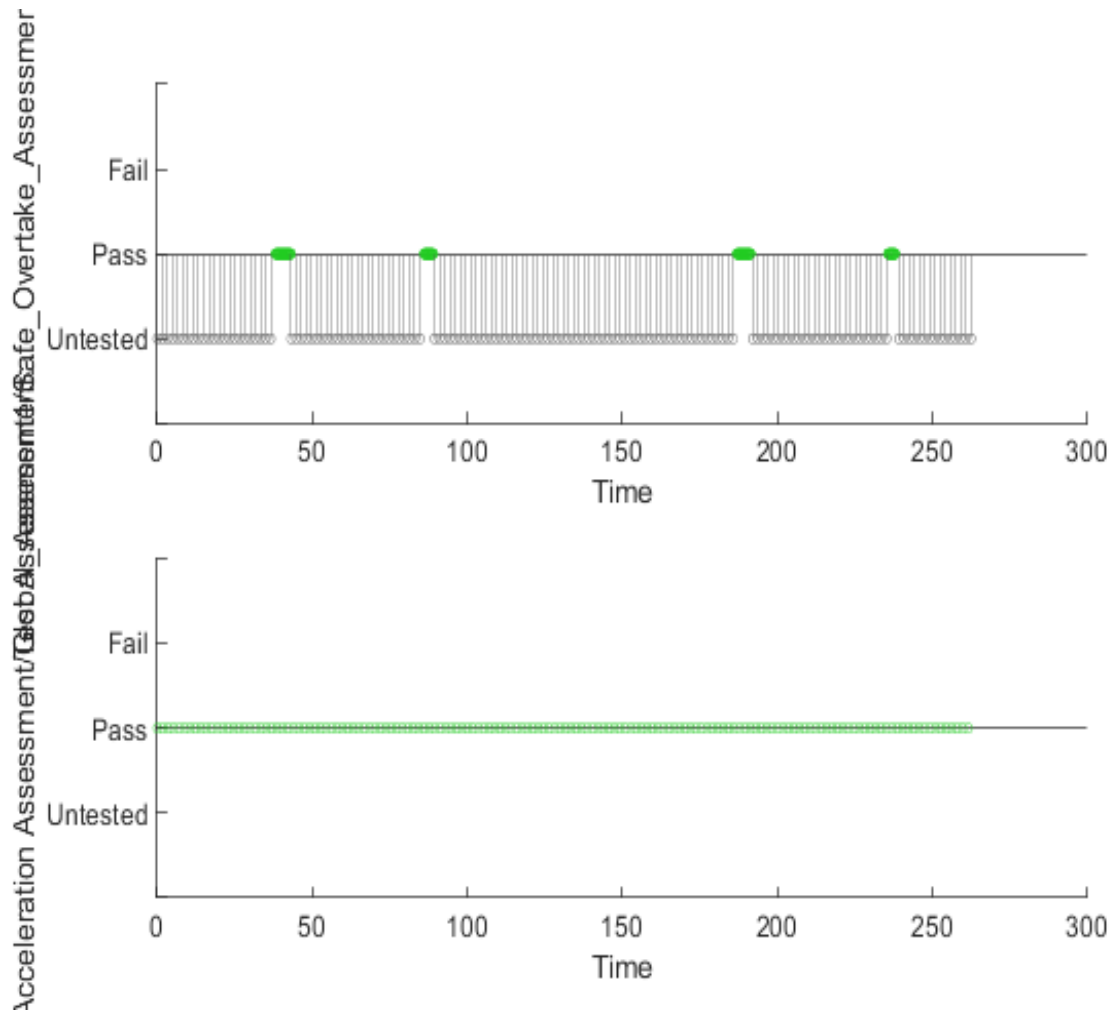
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

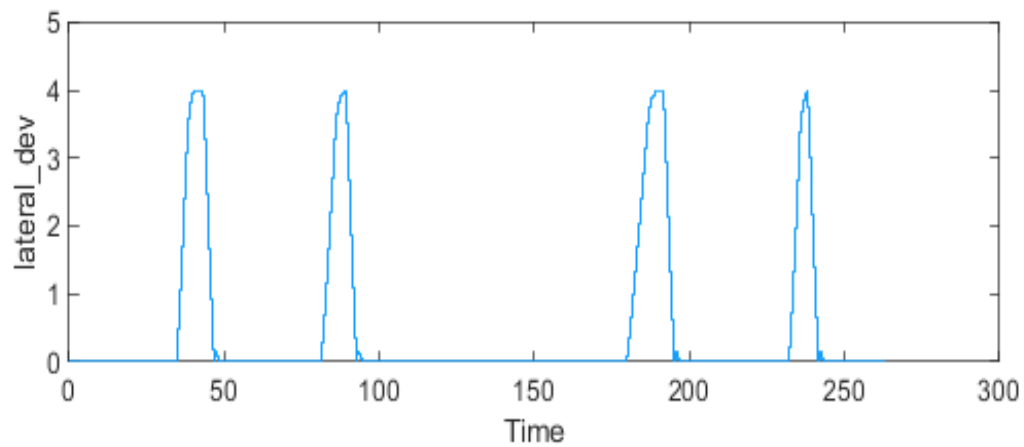
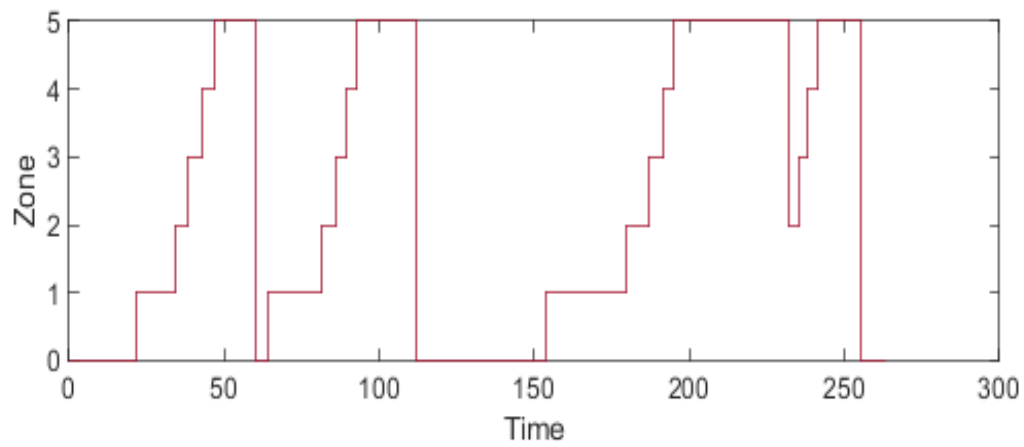
Stop Time:263.10201994663595

Checksum:3860222368 934943681 3754432351 1980782047

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-90° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:49:19

End Time: 09-Jun-2021 17:50:47
Outcome: Passed

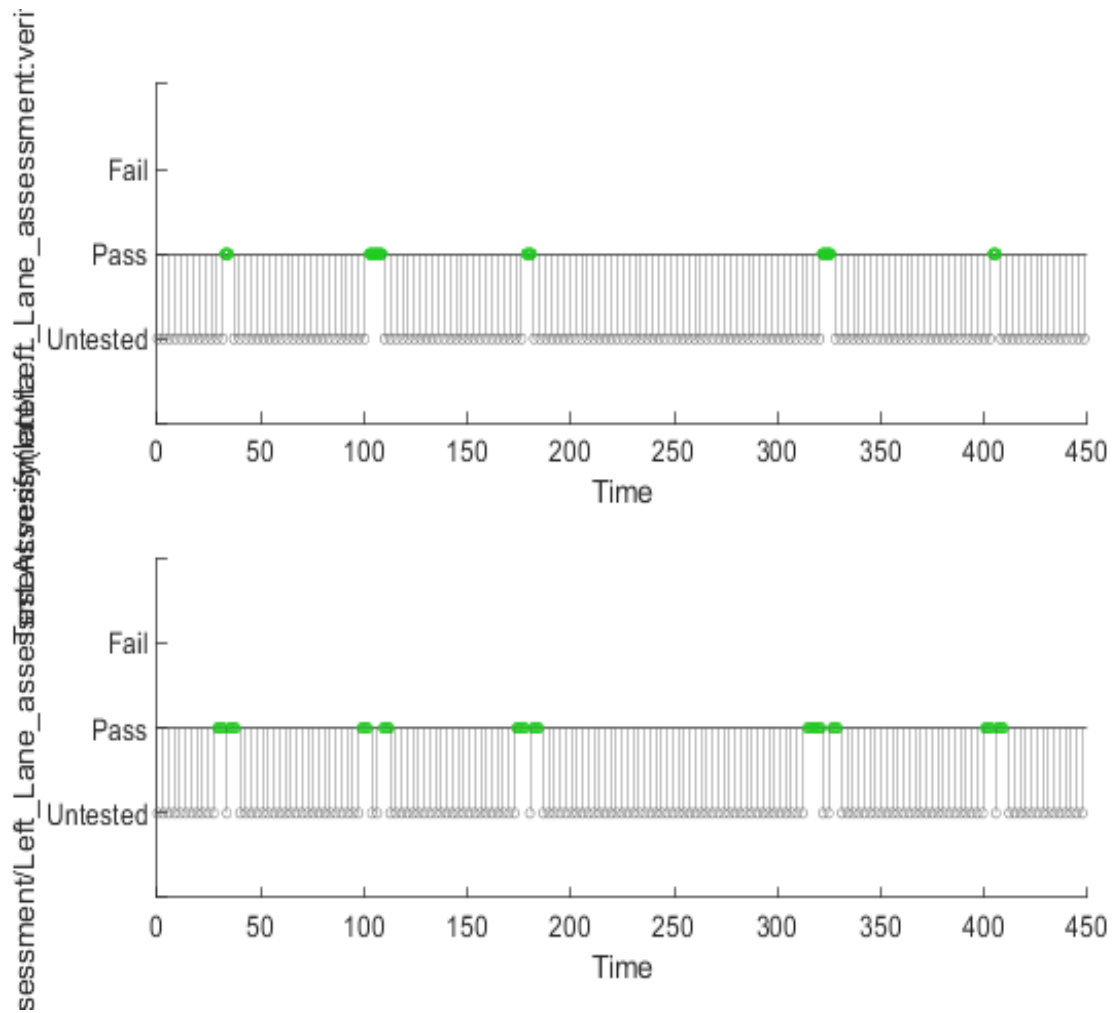
Test Case Information

Name: -90° 40km/h
Type: Simulation Test

Verify Result

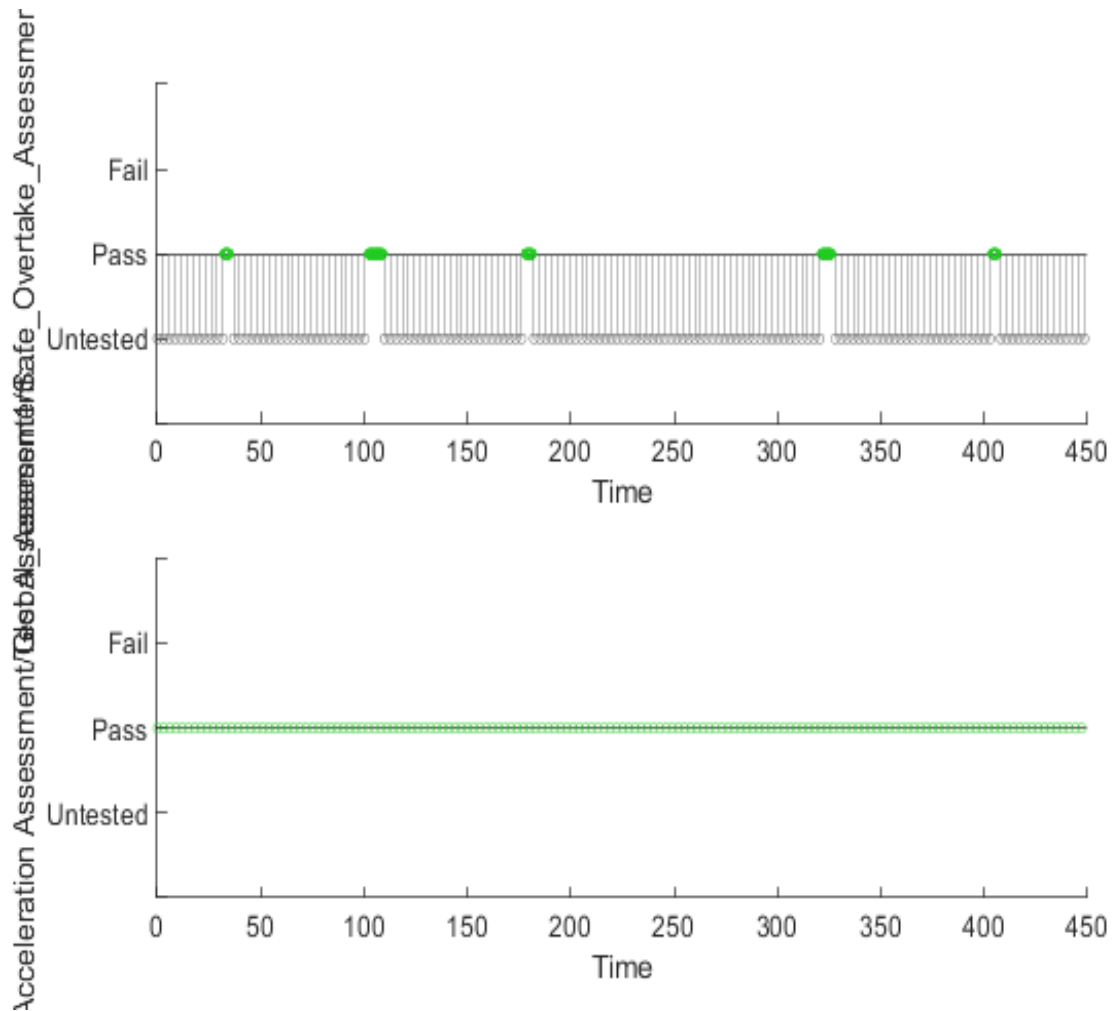
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

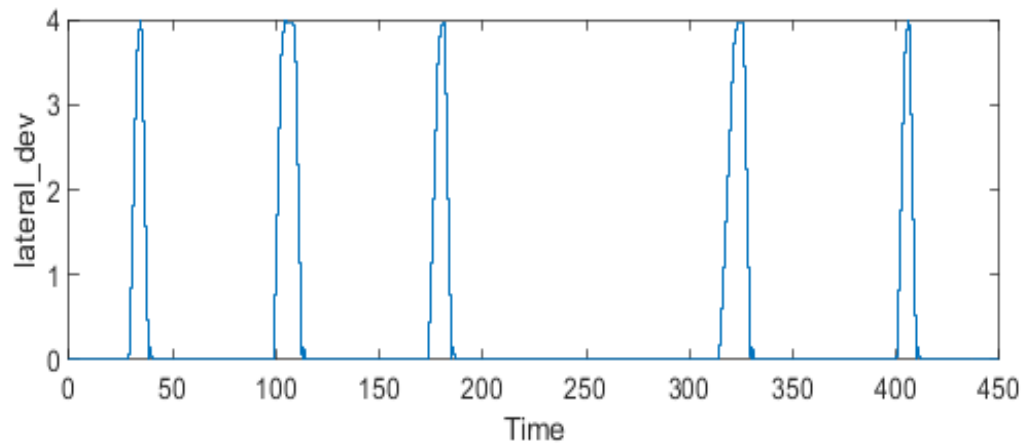
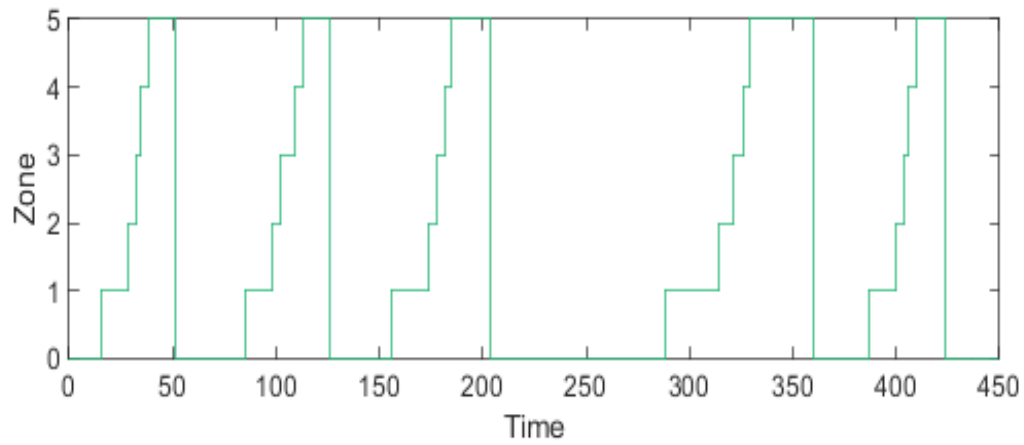
Stop Time:450

Checksum:452879779 4236152258 833548563 2319737473

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-110° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:50:47

End Time: 09-Jun-2021 17:52:29
Outcome: Passed

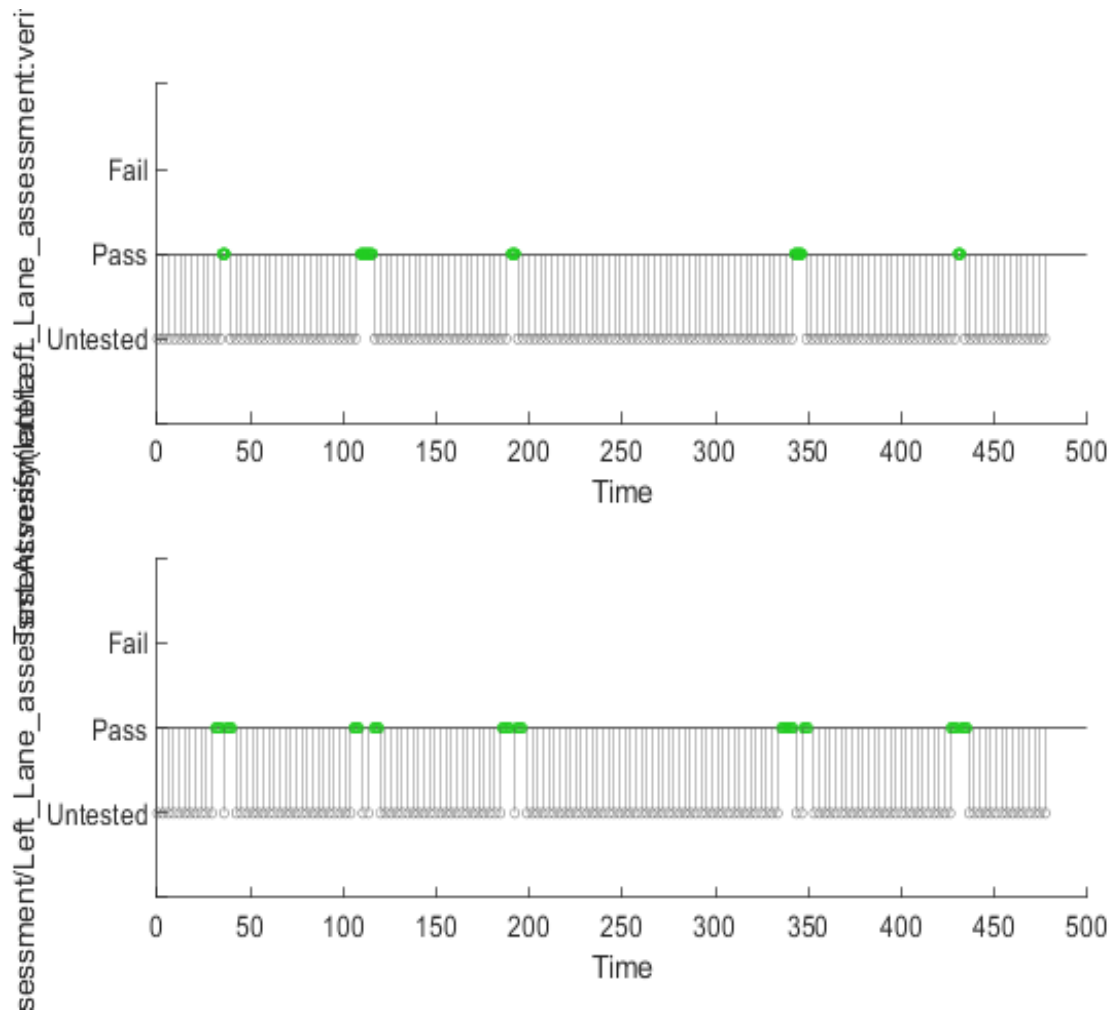
Test Case Information

Name: -110° 40km/h
Type: Simulation Test

Verify Result

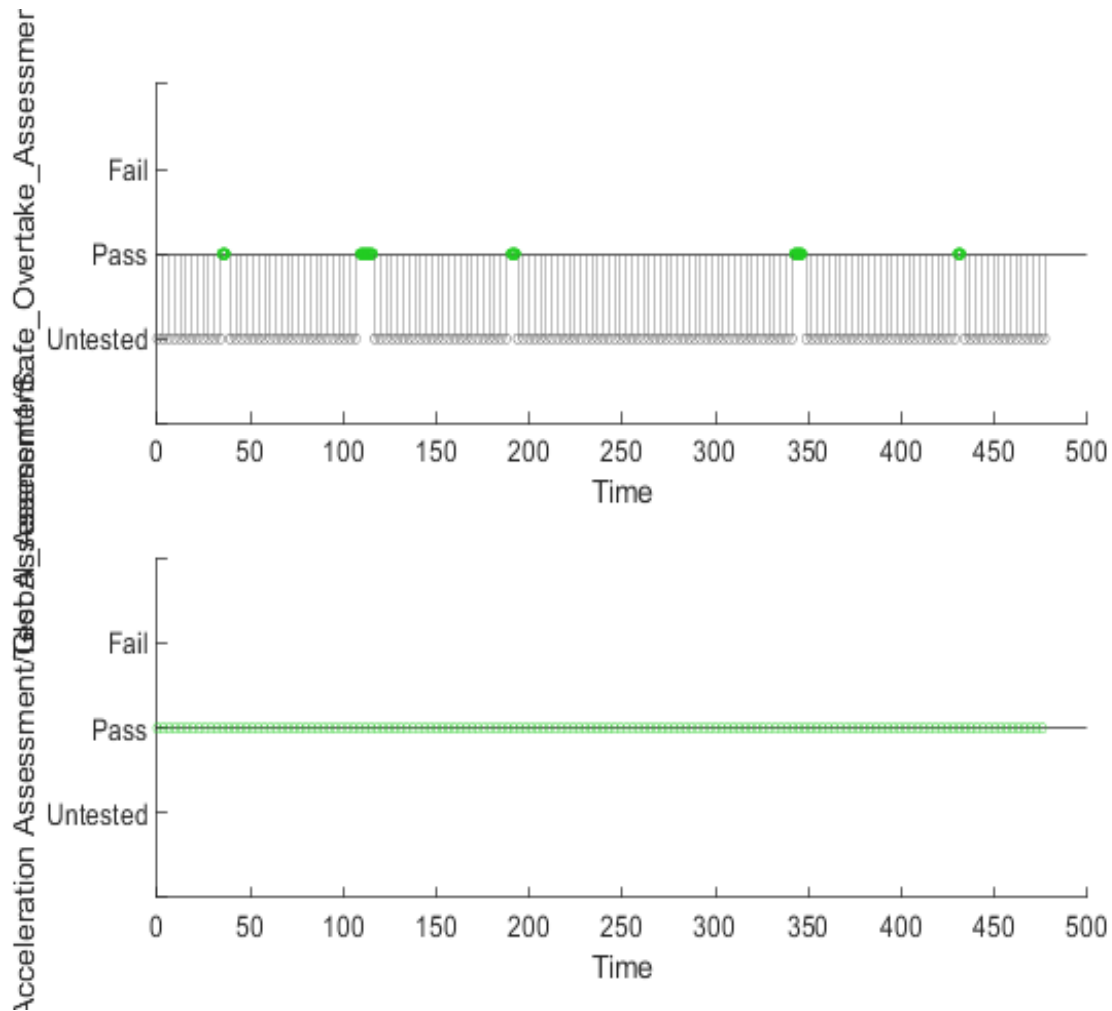
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

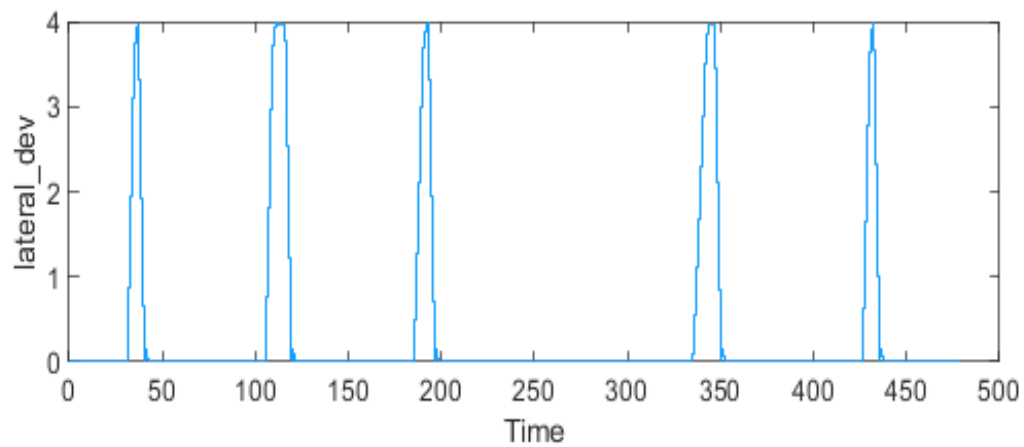
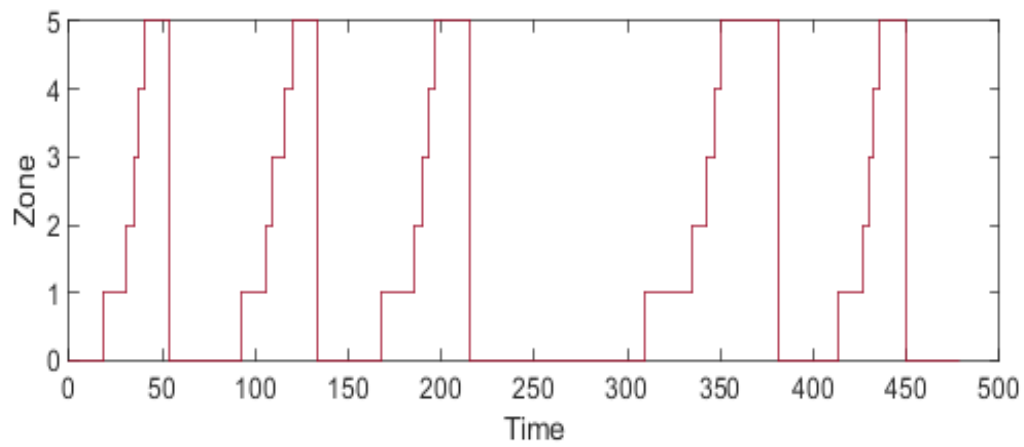
Stop Time:478.88457899581607

Checksum:1995938312 1532867822 2890442394 3182055057

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-135° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 40km/h](#)
Start Time: 09-Jun-2021 17:52:29

End Time: 09-Jun-2021 17:54:59
Outcome: Passed

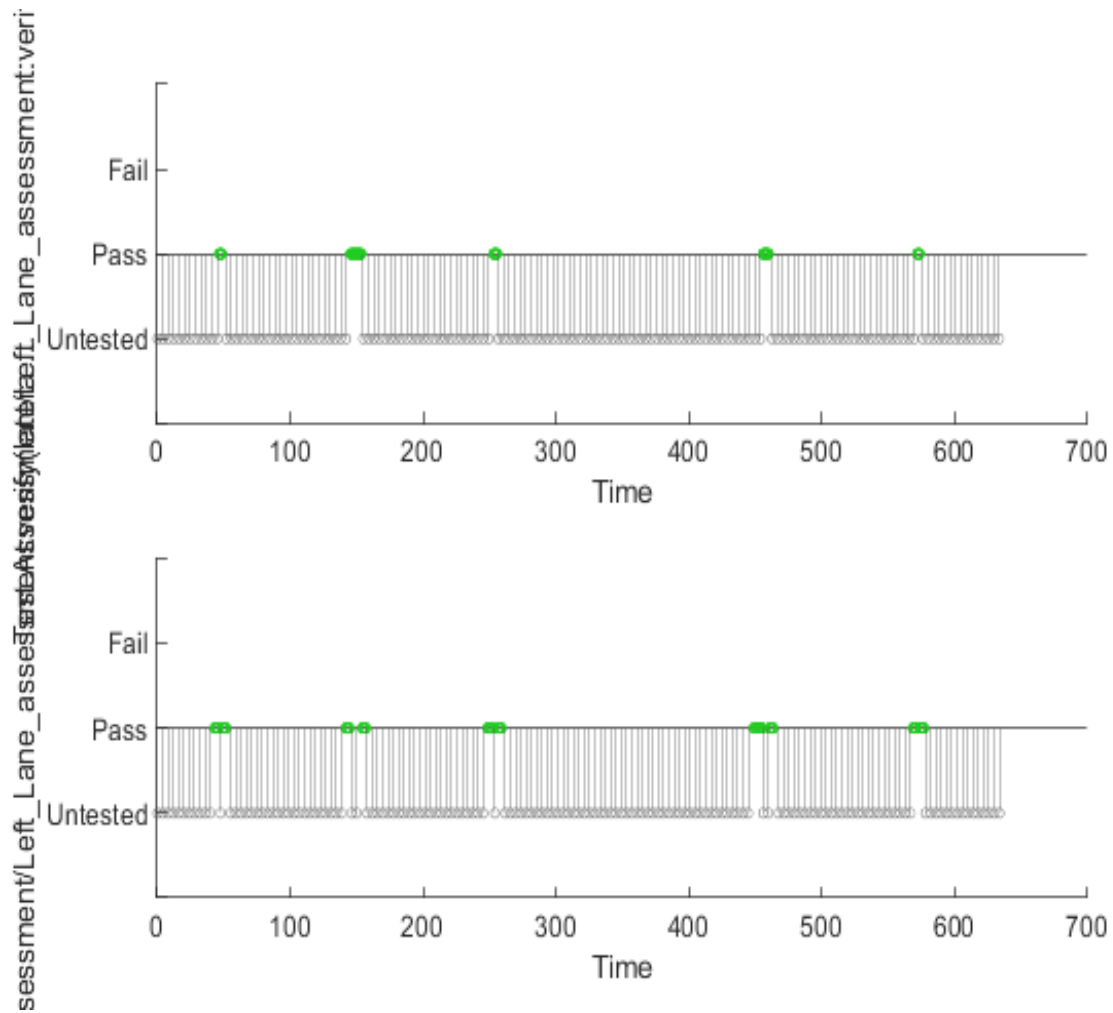
Test Case Information

Name: -135° 40km/h
Type: Simulation Test

Verify Result

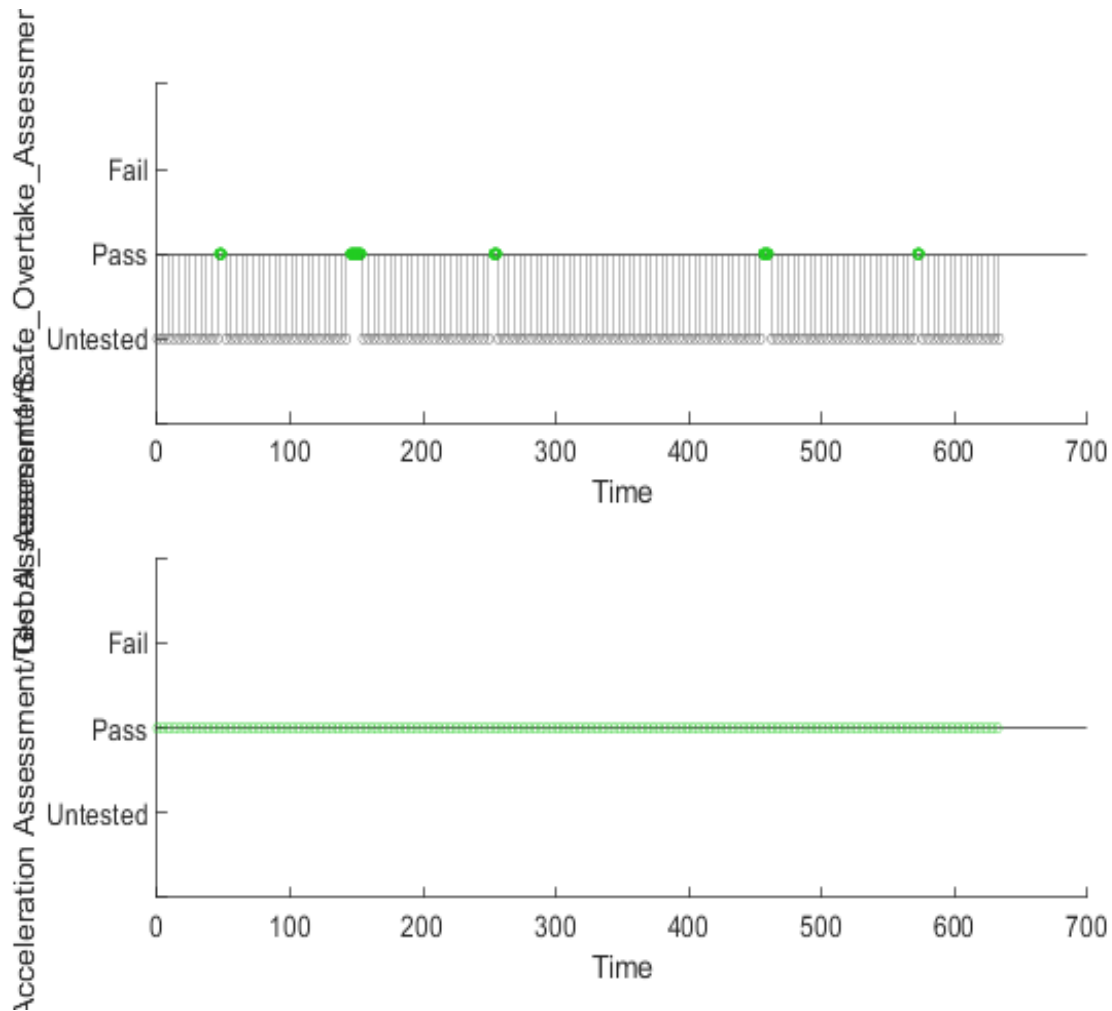
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

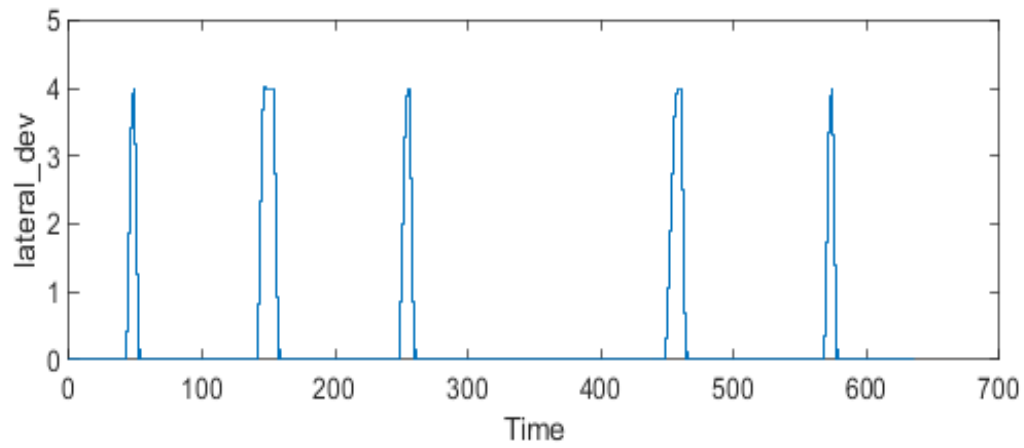
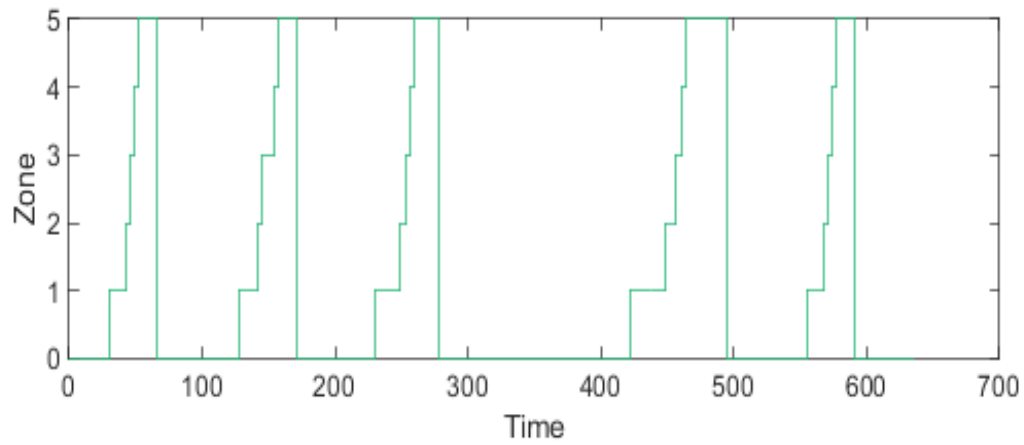
Stop Time:636.3961030678928

Checksum:2060396545 384323415 1780129787 2398821717

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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-160° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:54:59

End Time: 09-Jun-2021 17:55:45
Outcome: Passed

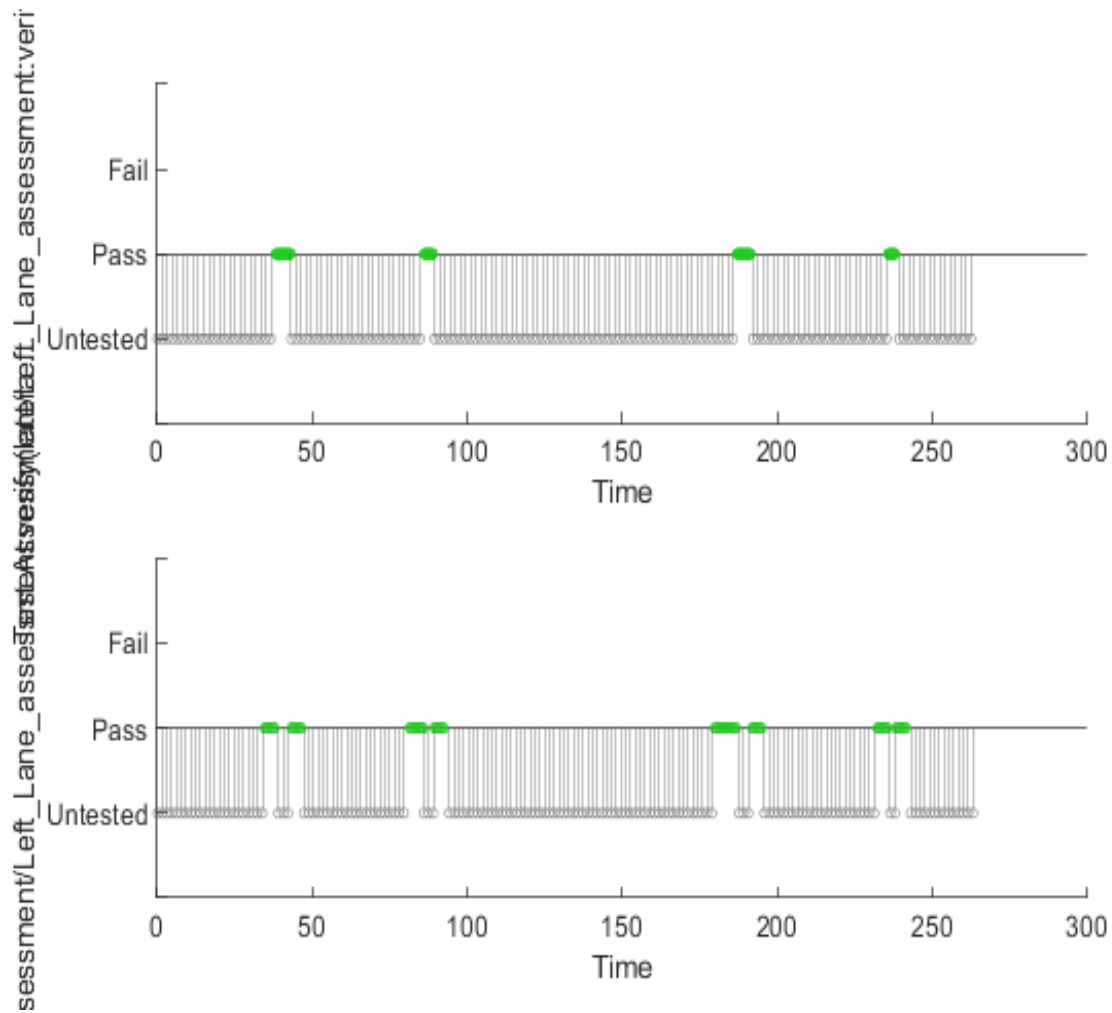
Test Case Information

Name: -160° 40km/h
Type: Simulation Test

Verify Result

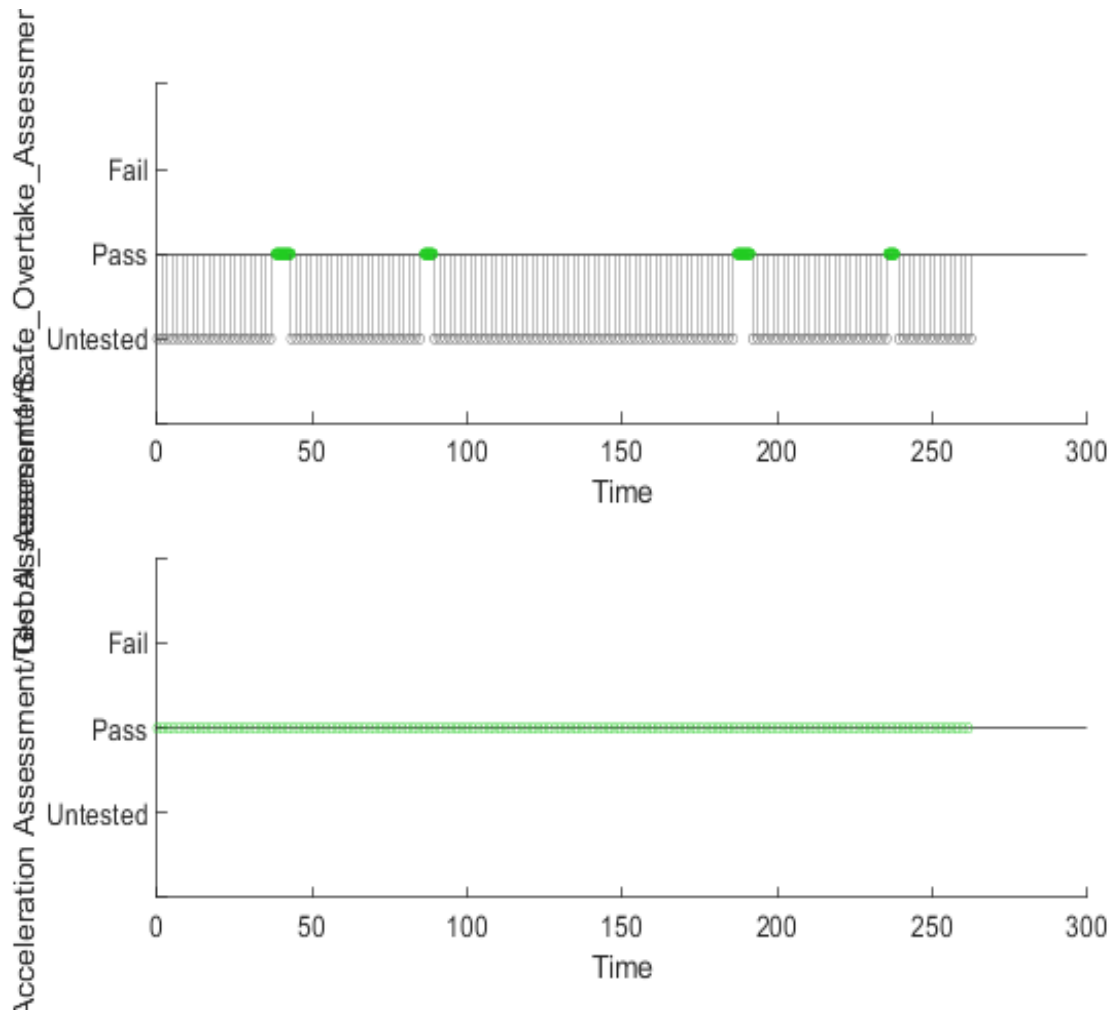
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

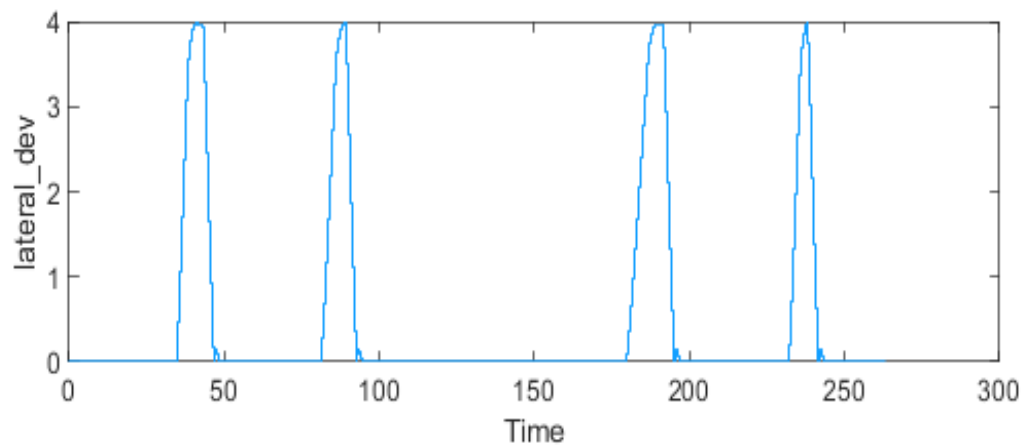
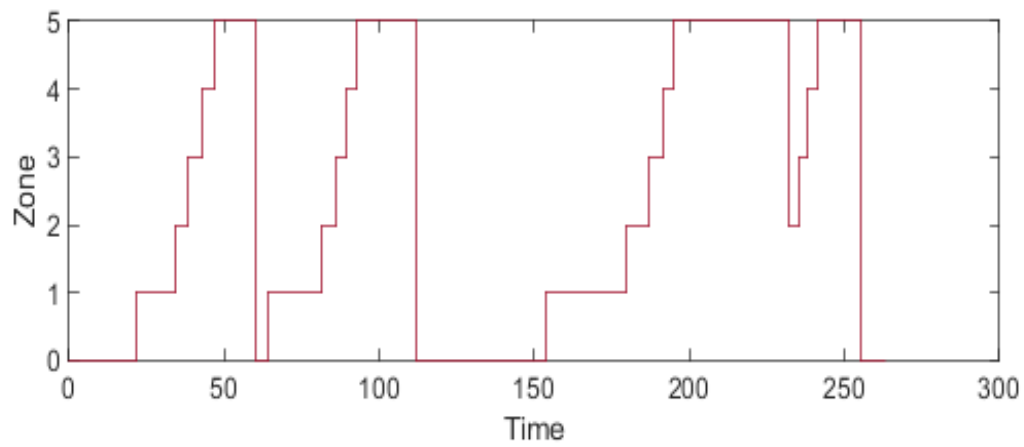
Stop Time:263.10201994663595

Checksum:3860222368 934943681 3754432351 1980782047

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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1000m curvature clockwise 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:55:45

End Time: 09-Jun-2021 17:57:14
Outcome: Passed

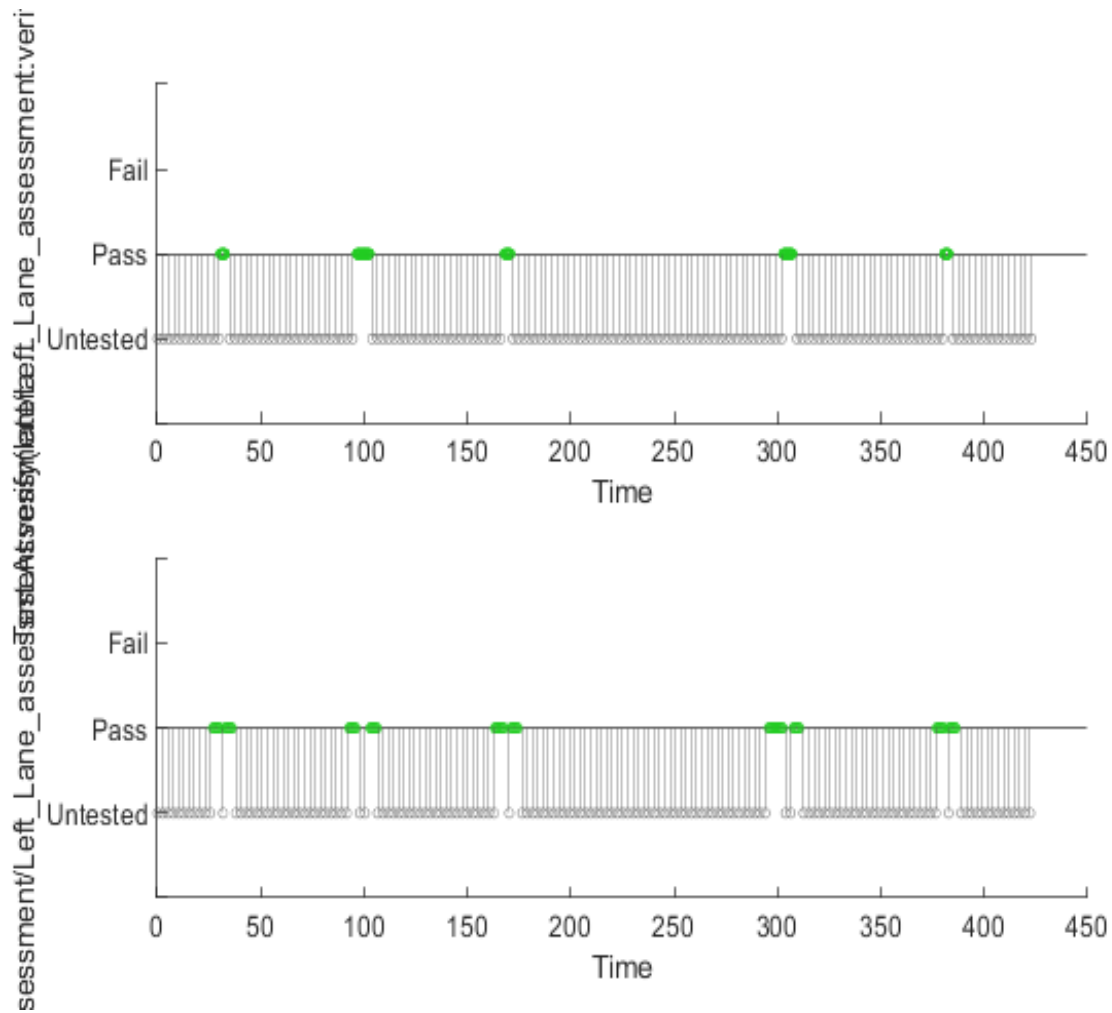
Test Case Information

Name: 1000m curvature clockwise 40km/h
Type: Simulation Test

Verify Result

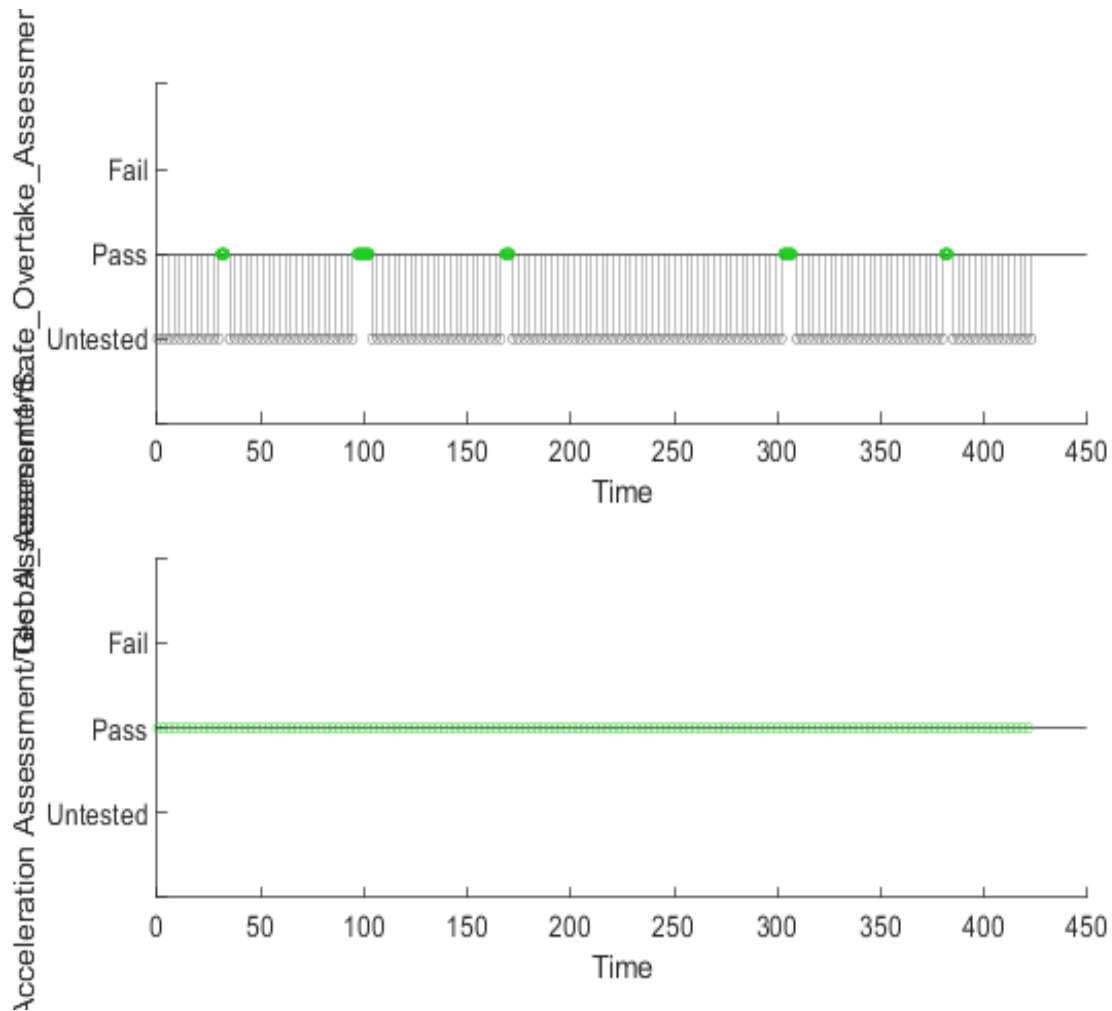
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

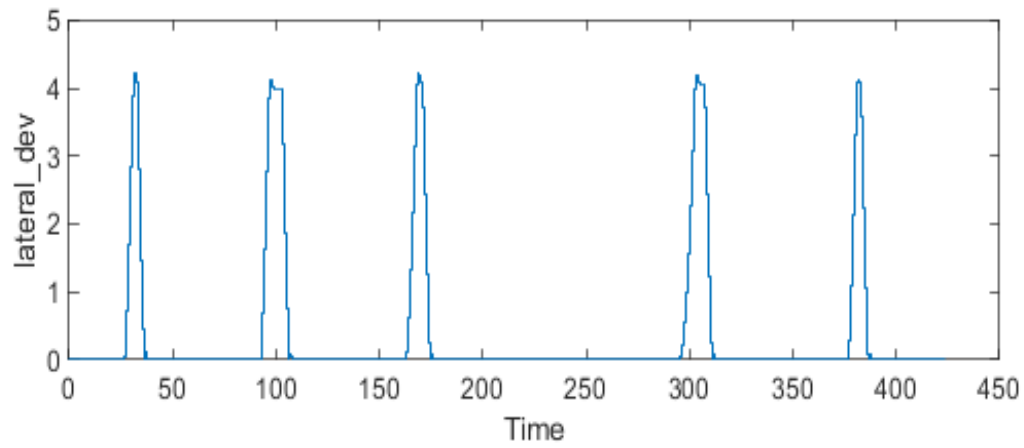
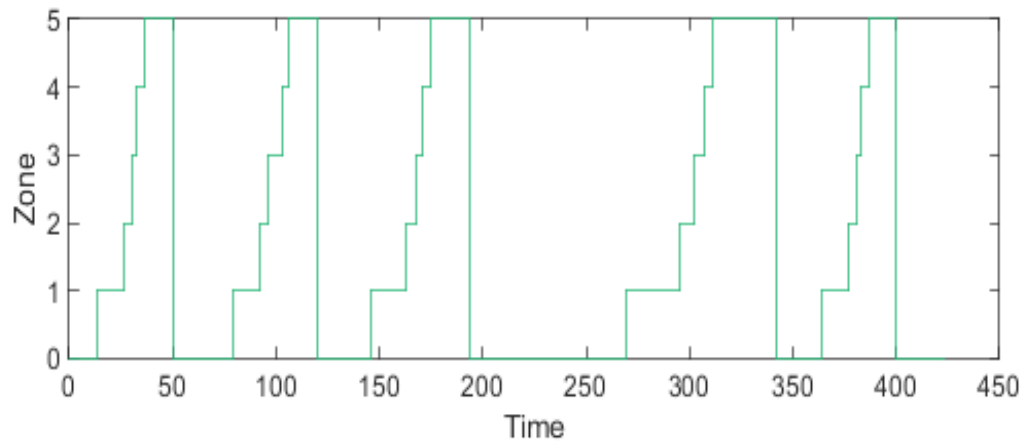
Stop Time:424.119999999998471

Checksum:963429988 2562769266 3108182256 2761973518

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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500m curvature clockwise 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple dynamic/static obstacle 40km/h](#)
 Start Time: 09-Jun-2021 17:57:14

End Time: 09-Jun-2021 17:58:01
Outcome: Passed

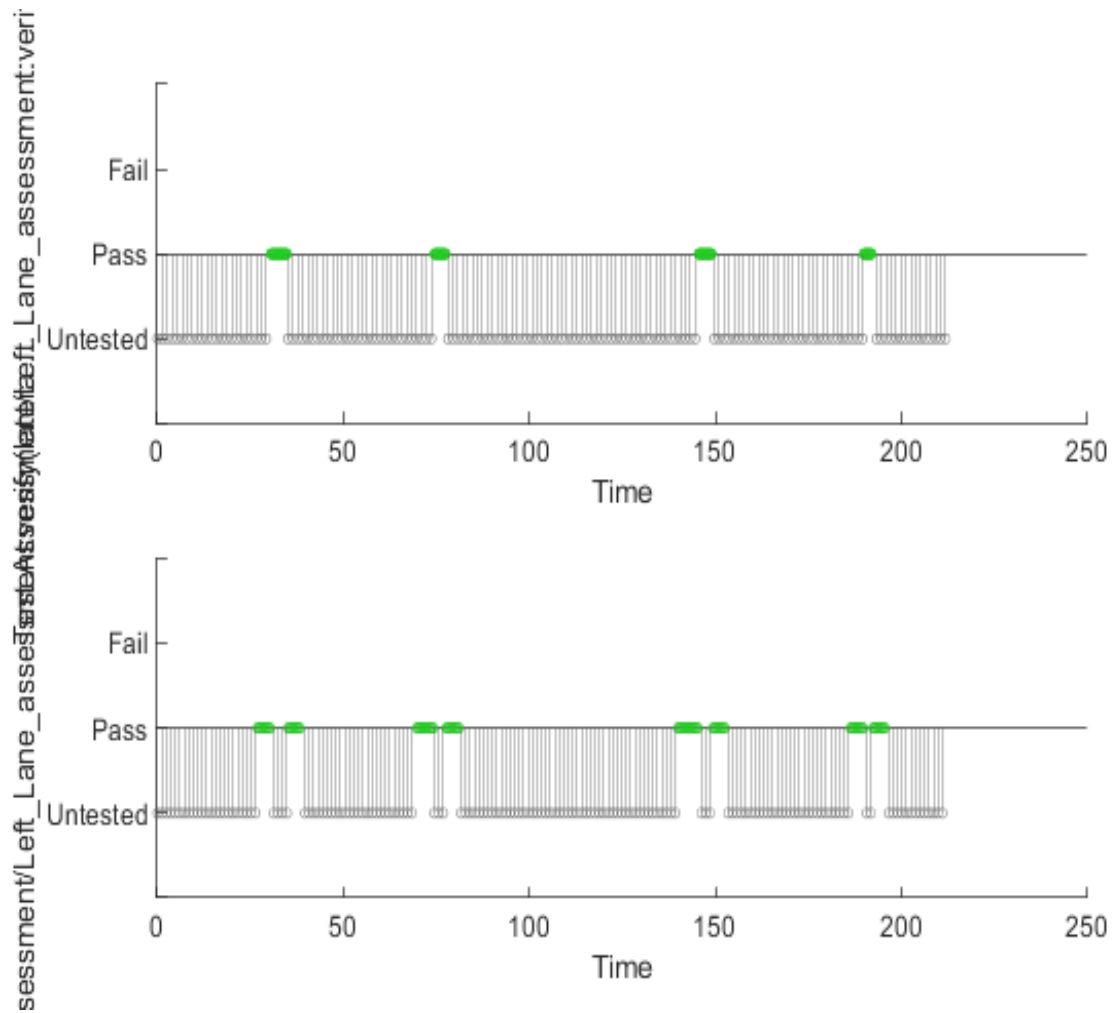
Test Case Information

Name: 500m curvature clockwise 40km/h
Type: Simulation Test

Verify Result

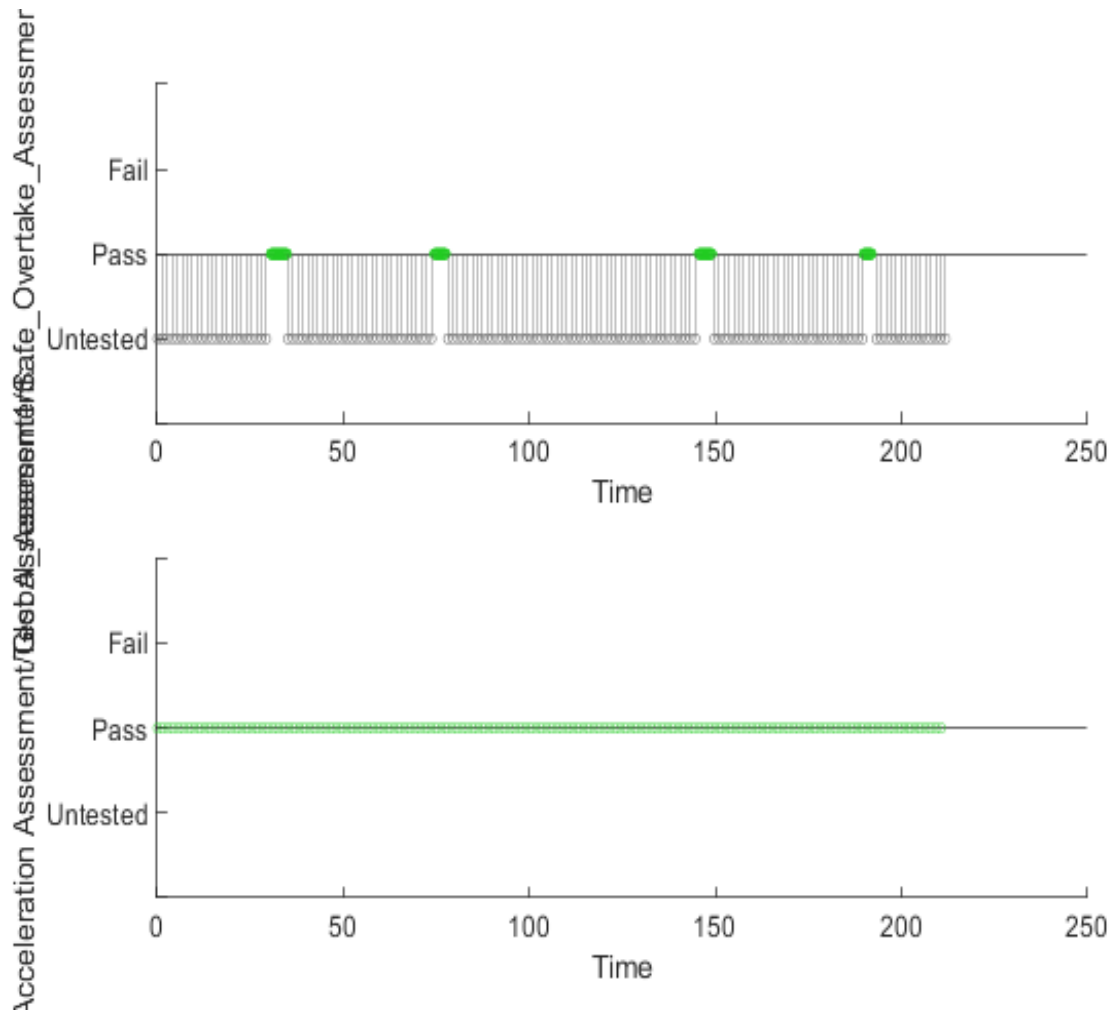
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

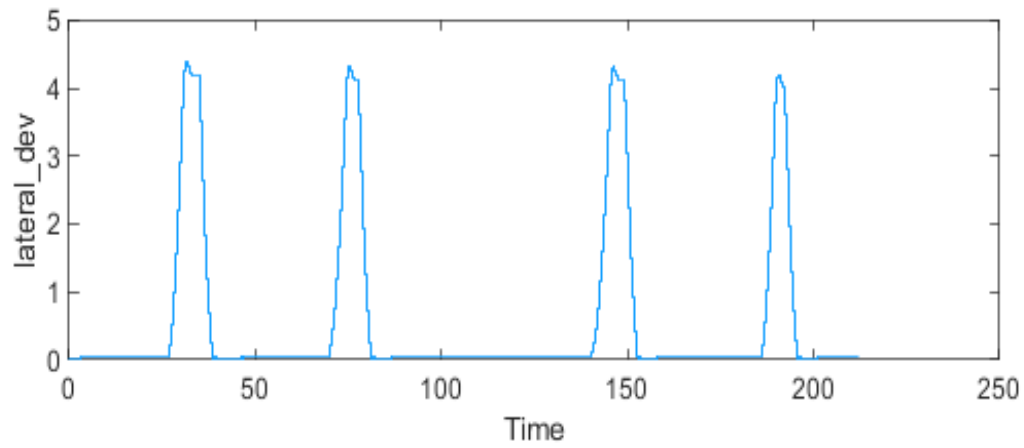
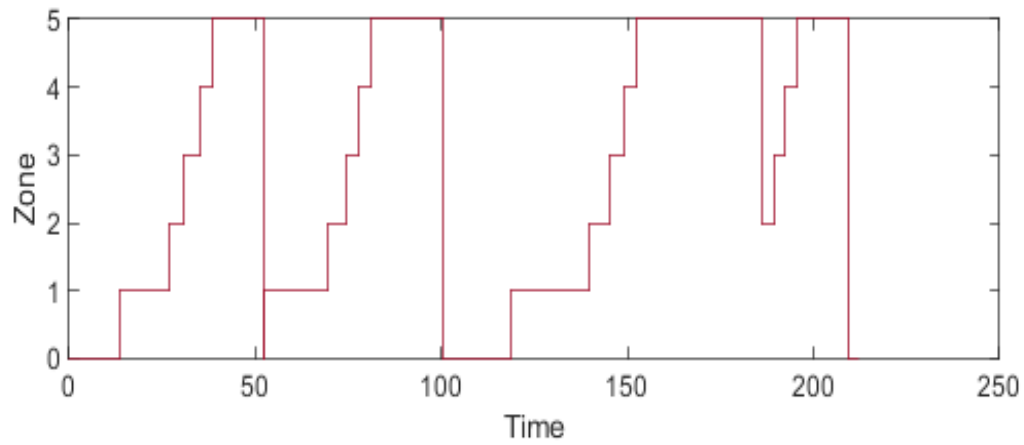
Stop Time:212.05999999999636

Checksum:2909026514 4104184328 1164979055 3940958804

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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300m curvature clockwise 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple dynamic/static obstacle 40km/h](#)
Start Time: 09-Jun-2021 17:58:01

End Time: 09-Jun-2021 17:58:29
Outcome: Passed

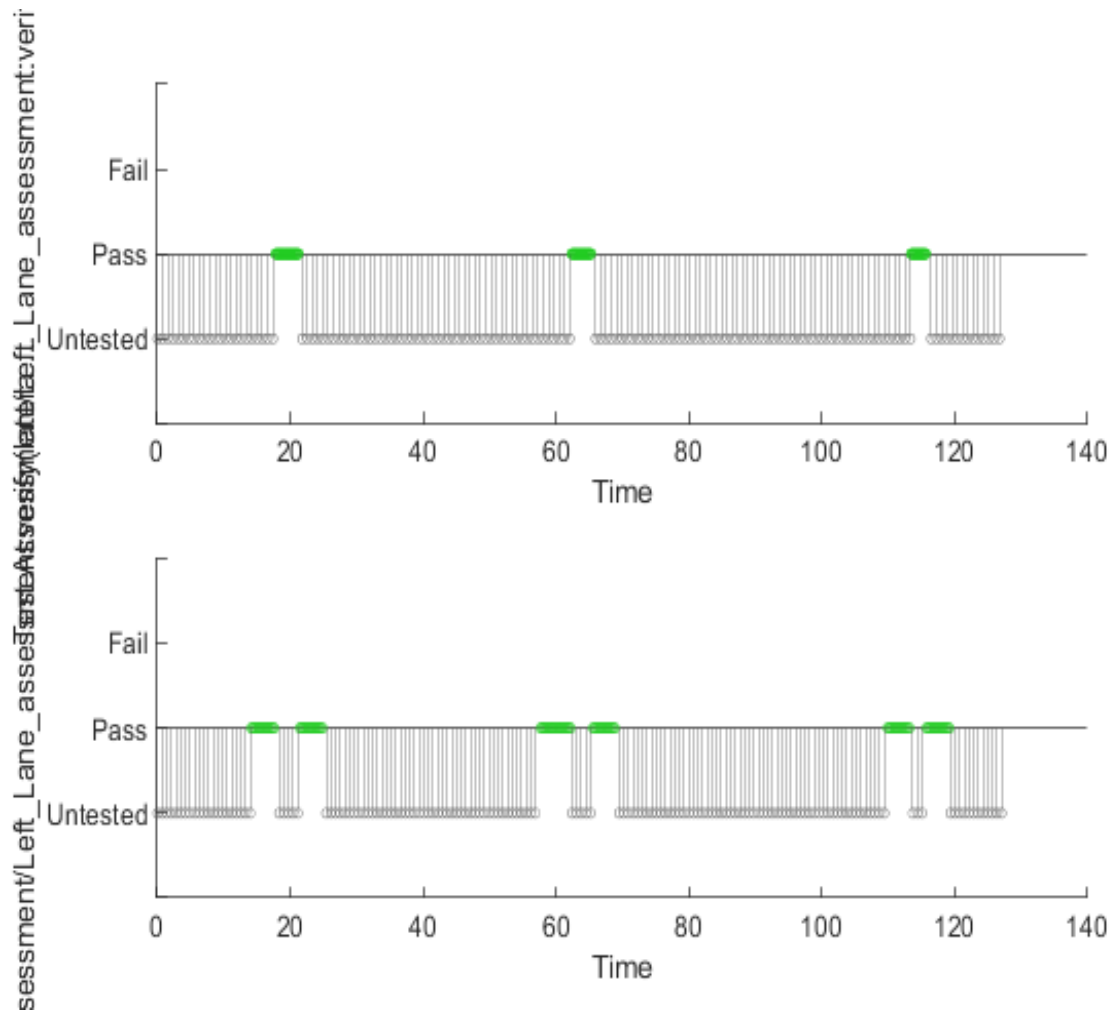
Test Case Information

Name: 300m curvature clockwise 40km/h
Type: Simulation Test

Verify Result

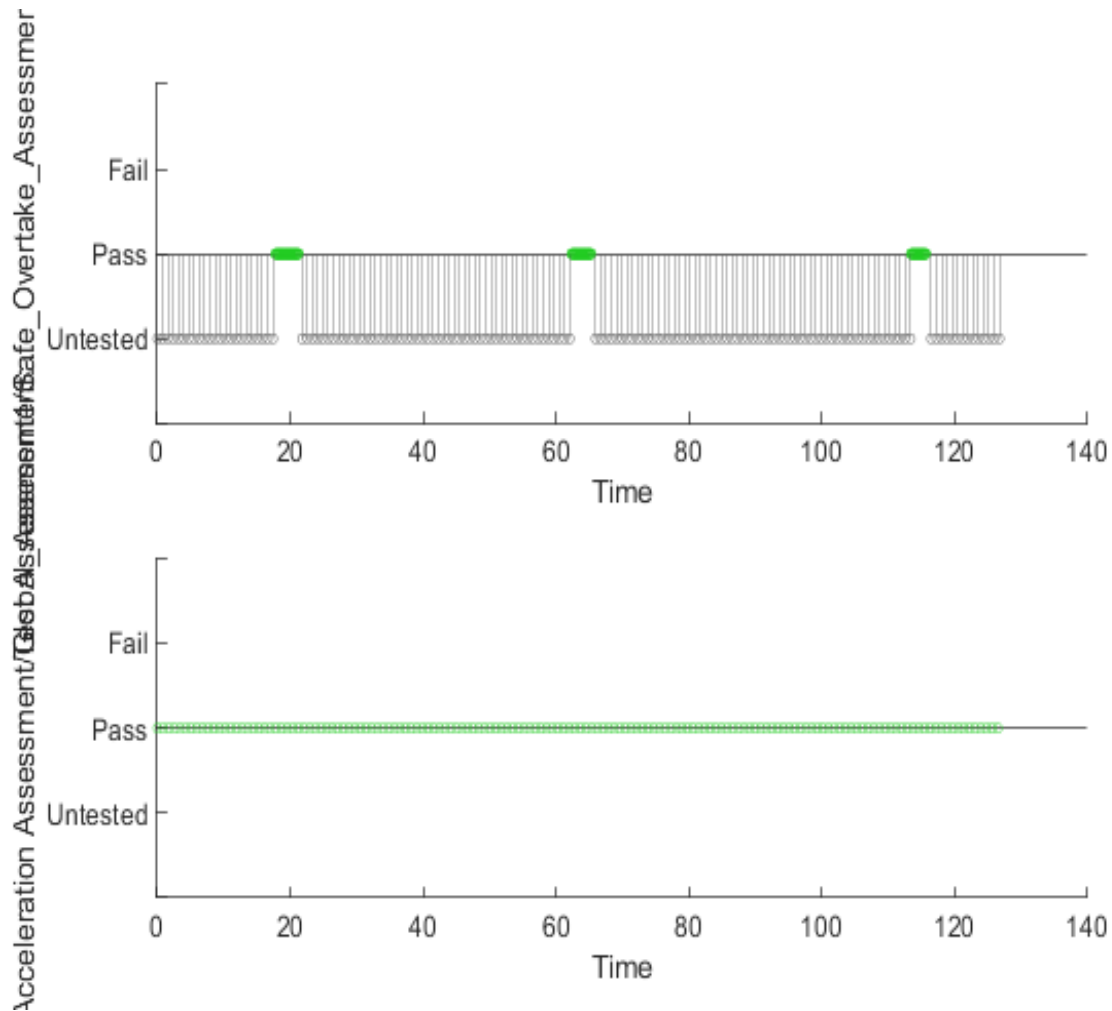
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

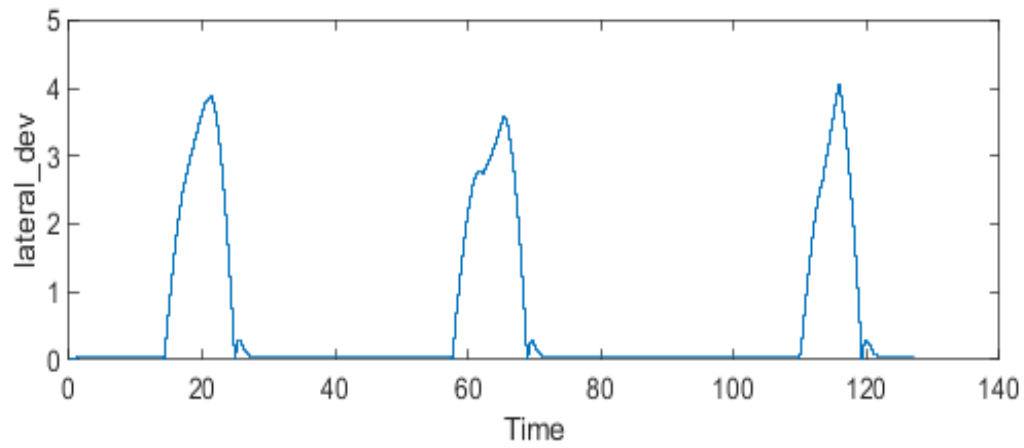
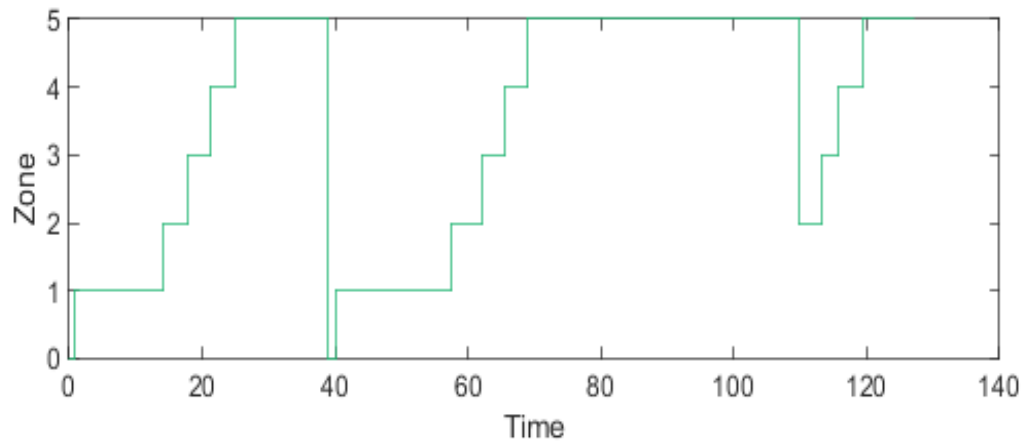
Stop Time:127.240000000000028

Checksum:2089453448 1617389700 2510842321 2436899685

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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300m curvature counterclockwise 40km/h

Test Result Information

Result Type: Test Case Result

Parent: [Multiple dynamic/static obstacle 40km/h](#)

Start Time: 09-Jun-2021 17:58:29
End Time: 09-Jun-2021 17:58:51
Outcome: Passed

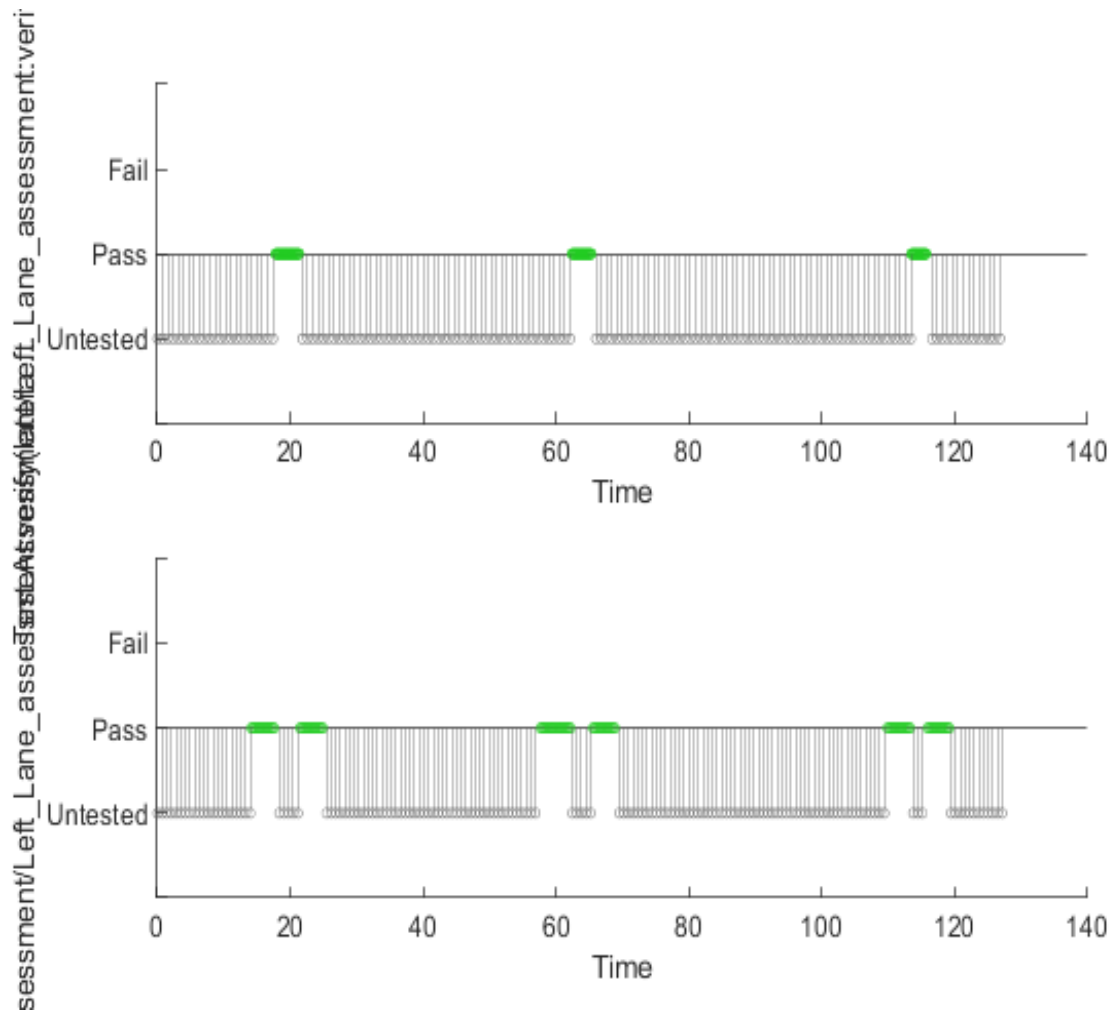
Test Case Information

Name: 300m curvature counterclockwise 40km/h
Type: Simulation Test

Verify Result

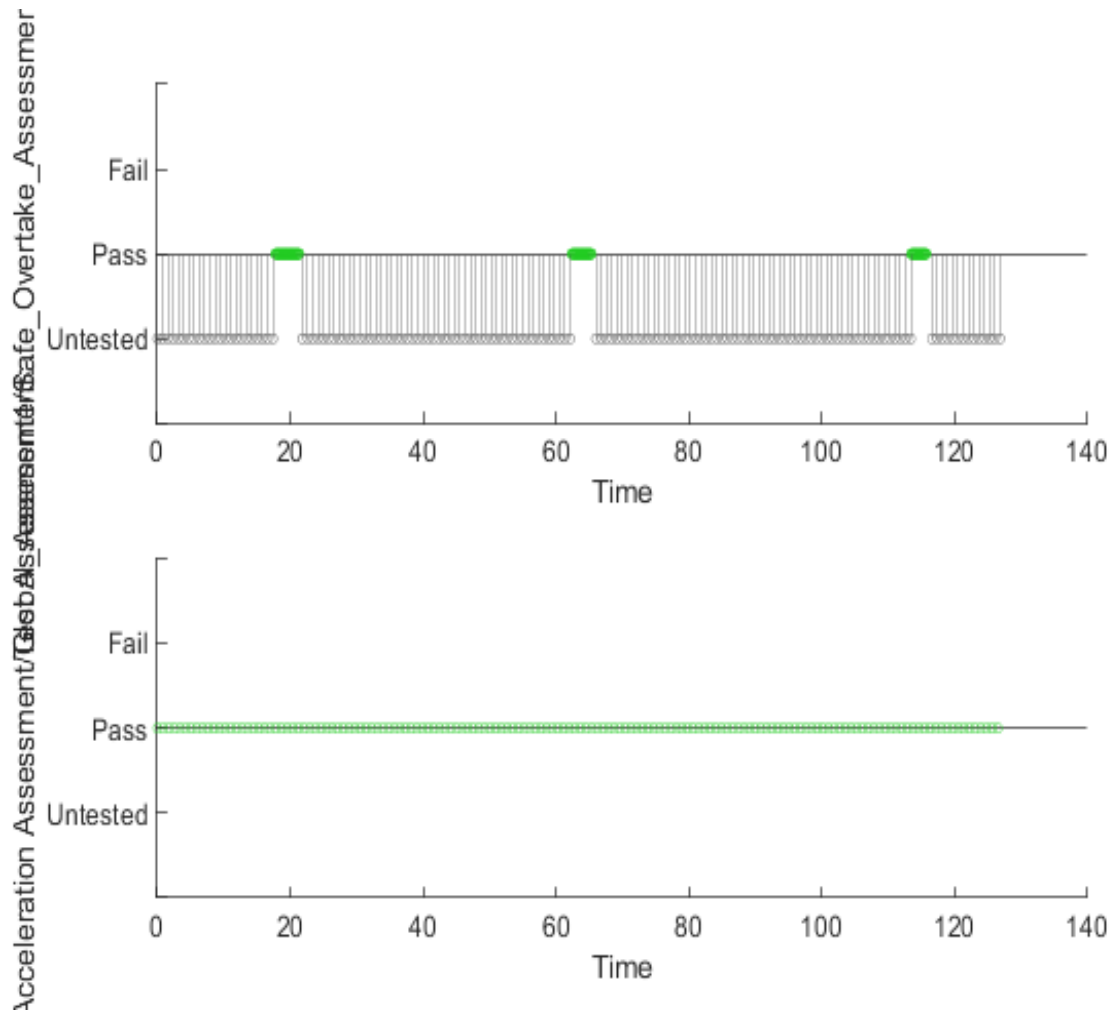
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

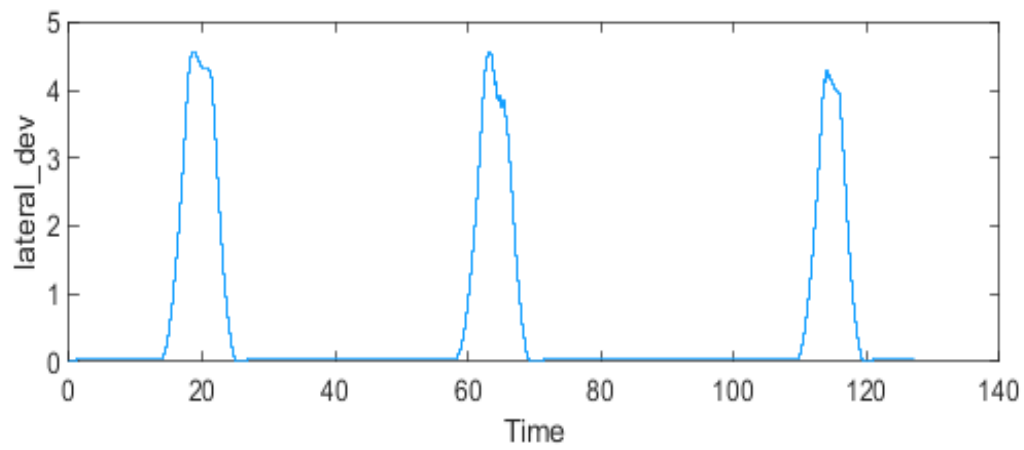
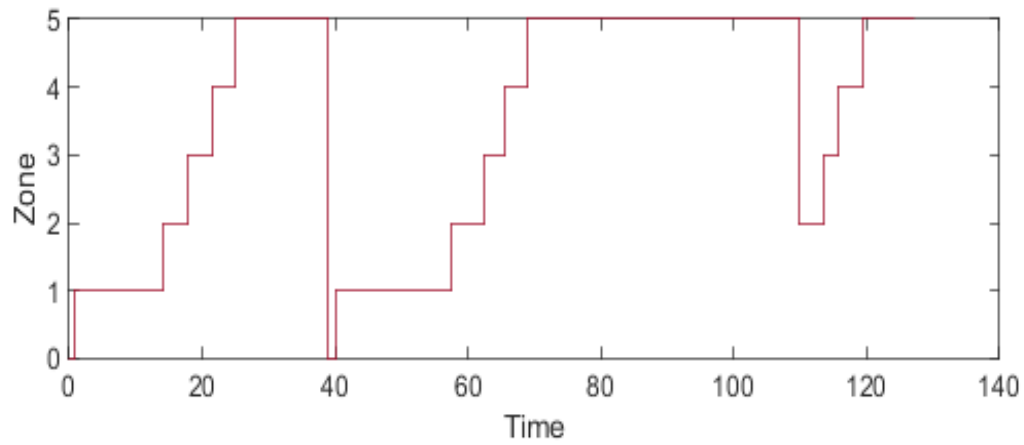
Stop Time:127.240000000000028

Checksum:2089453448 1617389700 2510842321 2436899685

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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500m curvature counterclockwise 40km/h

Test Result Information

Result Type: Test Case Result

Parent: [Multiple dynamic/static obstacle 40km/h](#)

Start Time: 09-Jun-2021 17:58:51
End Time: 09-Jun-2021 17:59:30
Outcome: **Passed**

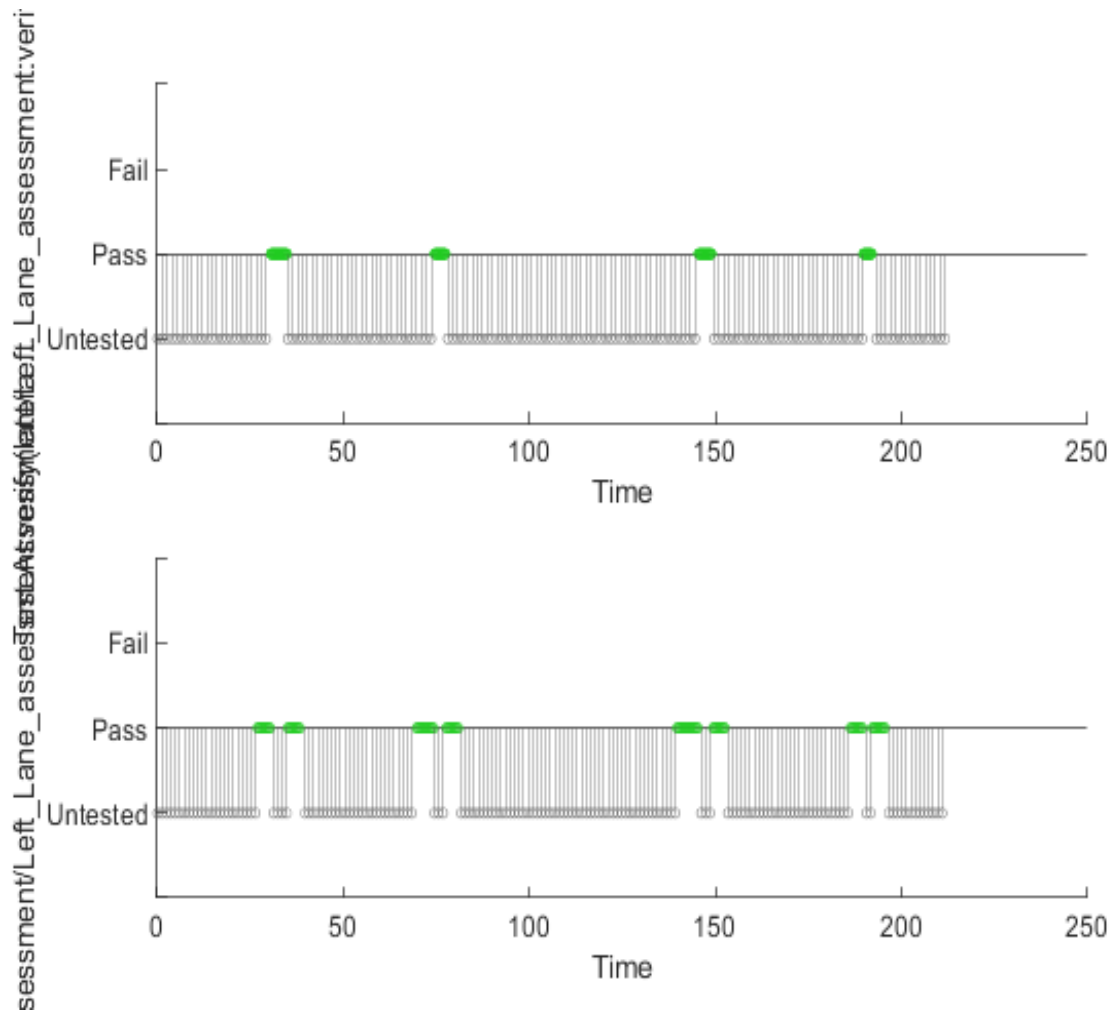
Test Case Information

Name: 500m curvature counterclockwise 40km/h
Type: Simulation Test

Verify Result

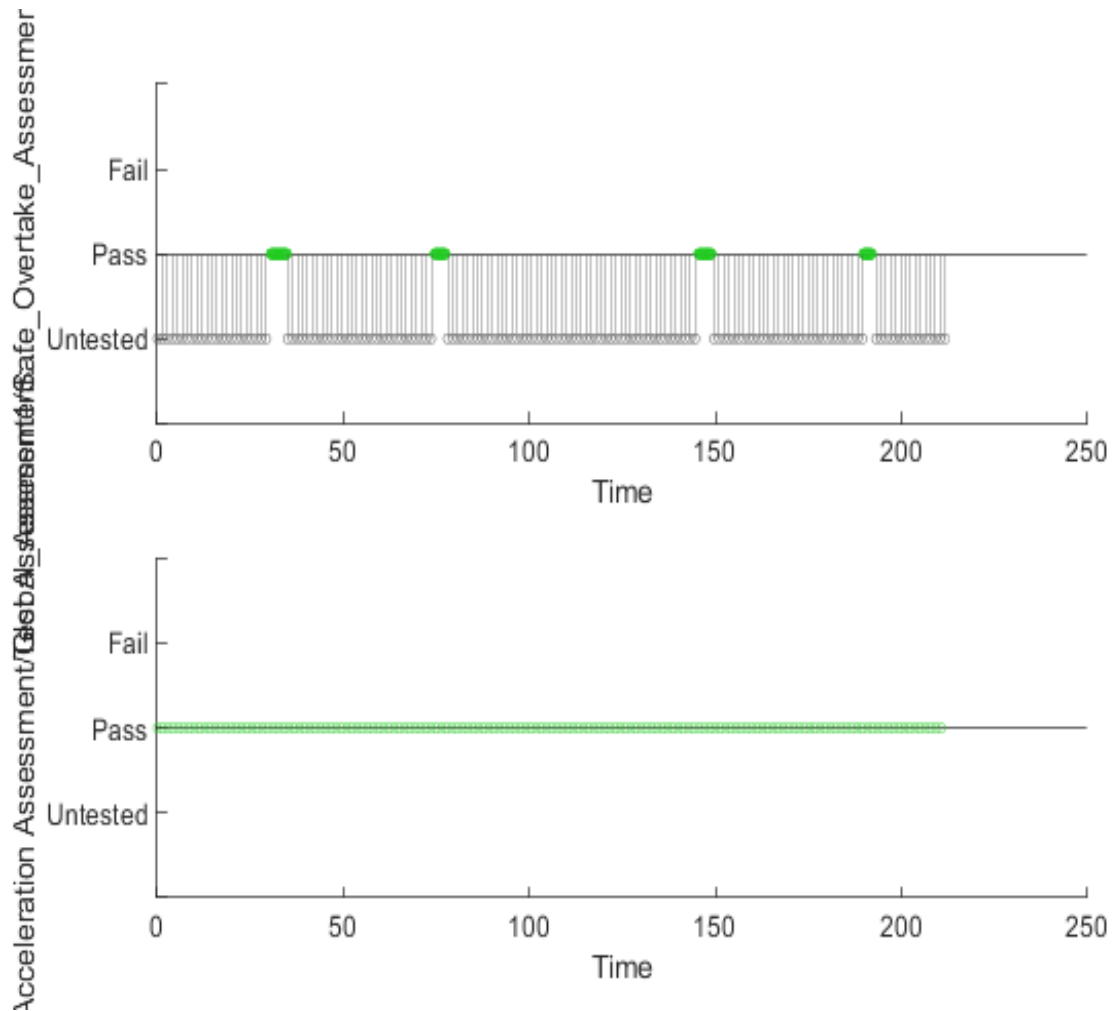
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

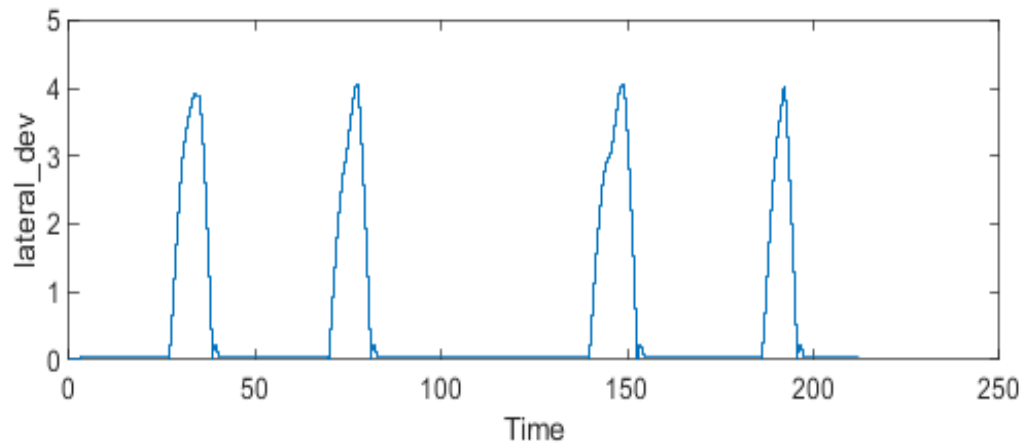
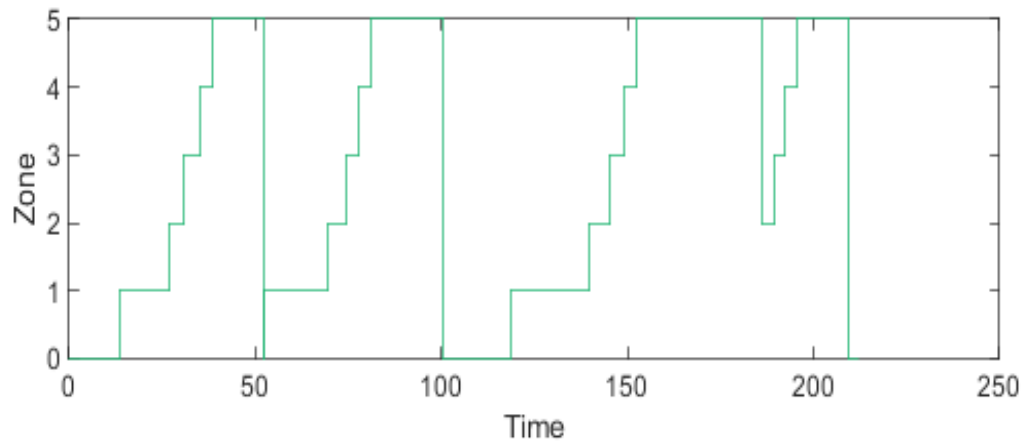
Stop Time:212.05999999999636

Checksum:2909026514 4104184328 1164979055 3940958804

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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**1000m curvature counterclockwise
40km/h**

Test Result Information

Result Type: Test Case Result

Parent: [Multiple dynamic/static obstacle 40km/h](#)

Start Time: 09-Jun-2021 17:59:30
End Time: 09-Jun-2021 18:01:16
Outcome: **Passed**

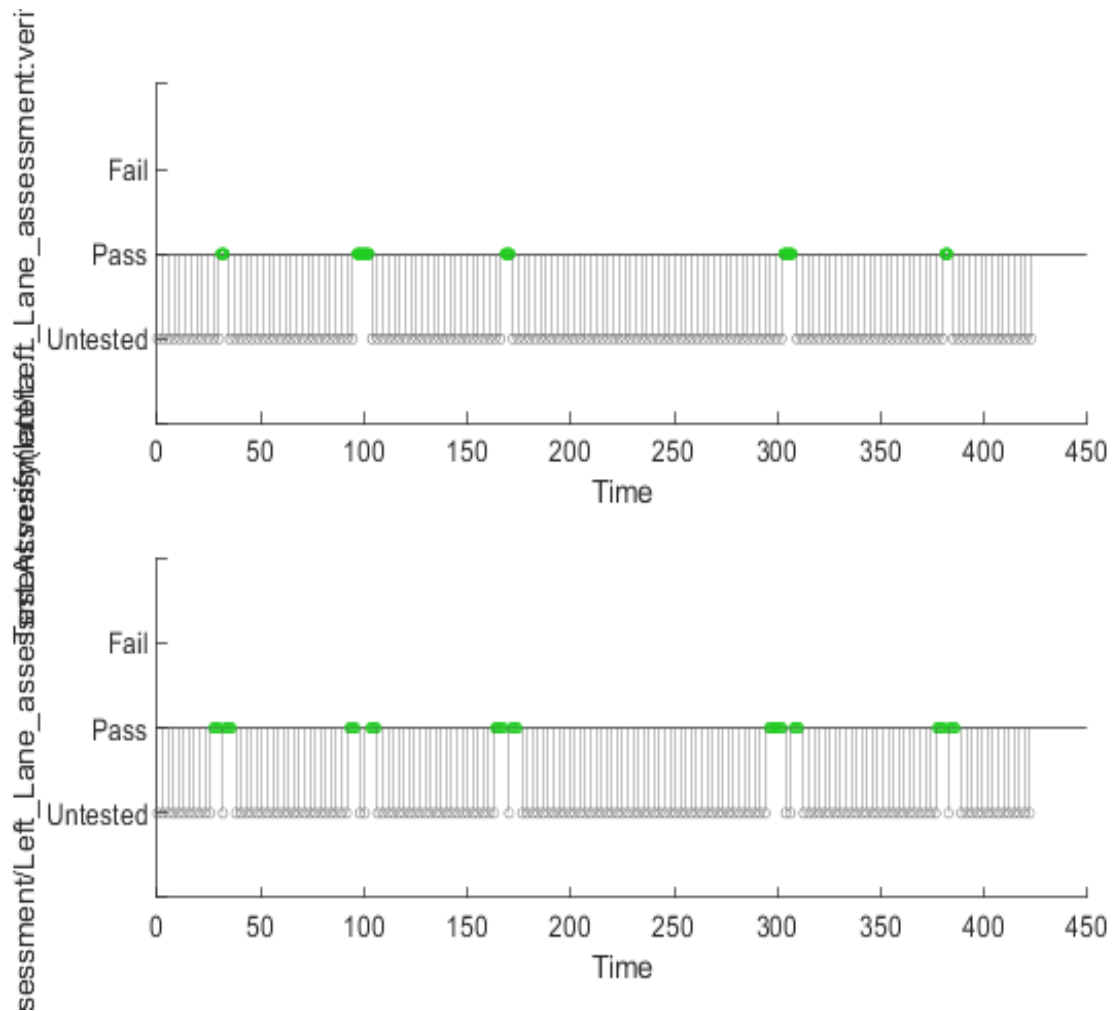
Test Case Information

Name: 1000m curvature counterclockwise 40km/h
Type: Simulation Test

Verify Result

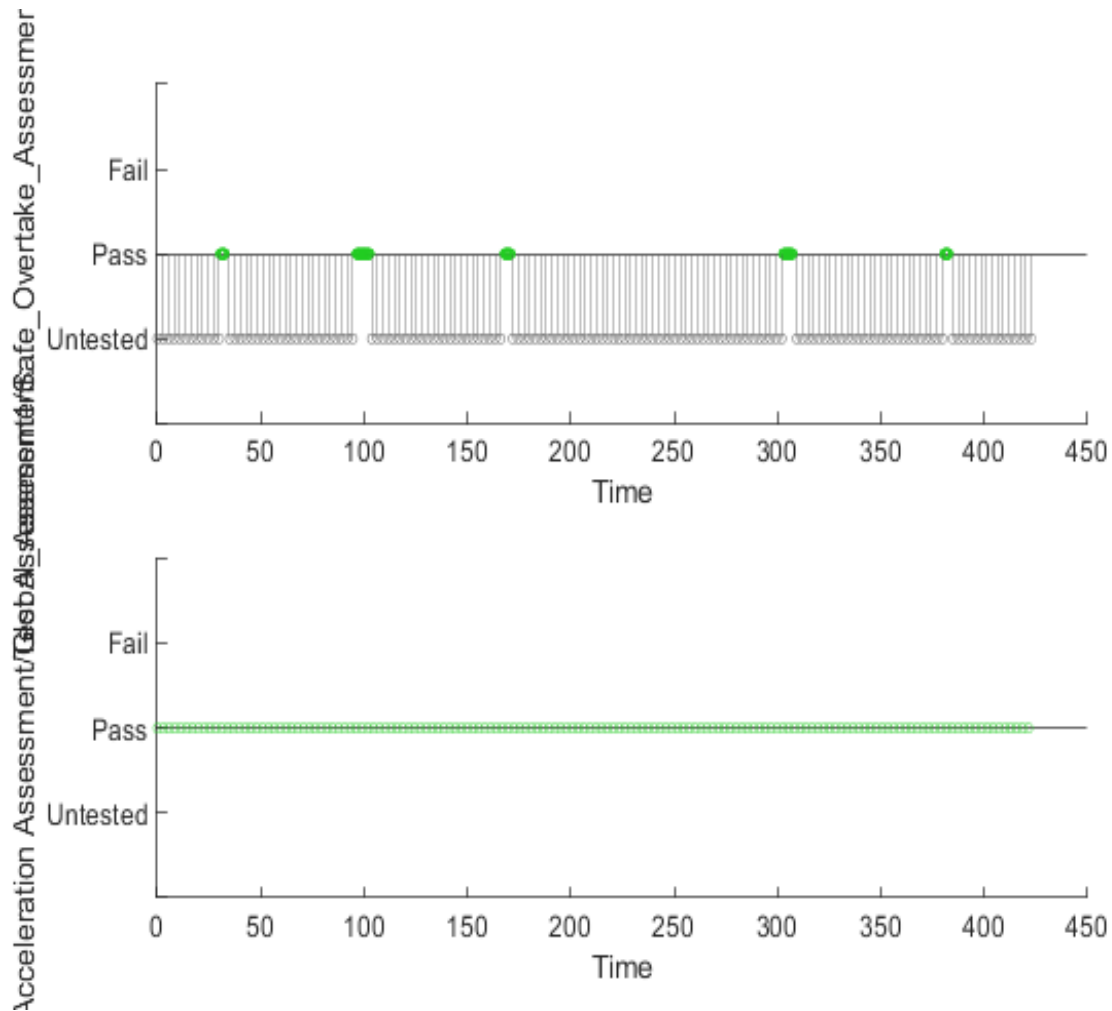
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	Link

Name
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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Name	
✓	Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)
✓	Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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Simulation

System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Compound_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Release:	Current
Simulation Mode:	normal

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

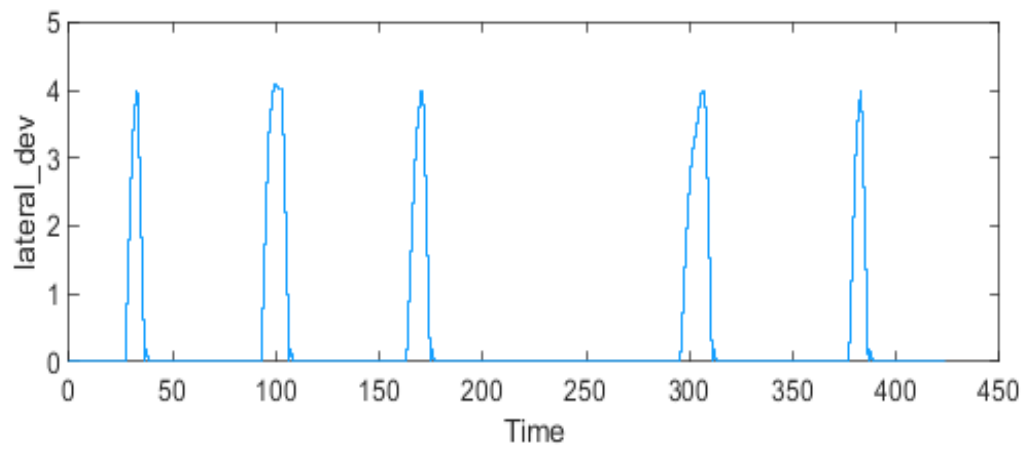
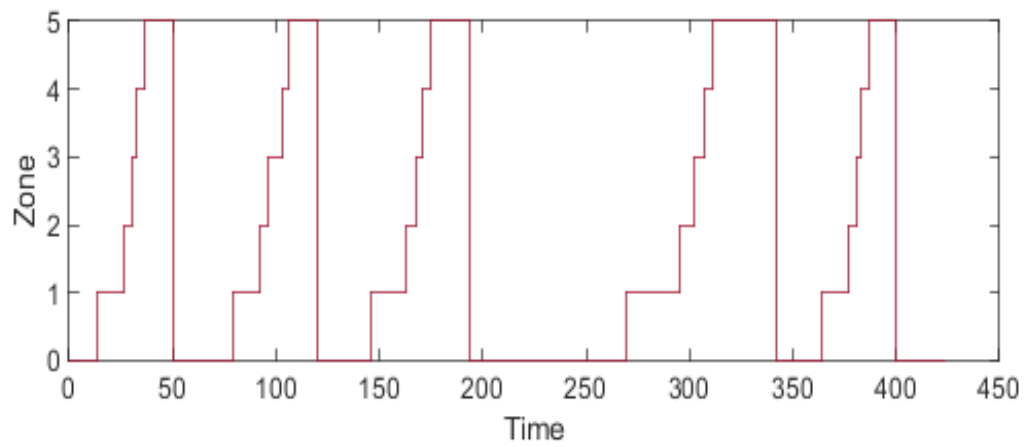
Stop Time:424.119999999998471

Checksum:963429988 2562769266 3108182256 2761973518

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	Link
lateral_dev	double		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union
lateral_dev	double		0.01	zoh	union



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