
















































Report Generated by Test Manager
























Title: Multiple Static Obstacle Avoidance - Test Report
Author: Gianvincenzo Daddabbo, Gaetano Gallo, Alberto Ruggeri, Martina Tedesco, Alessandro Toschi
Date: 20-May-2021 18:11:52

Test Environment

Platform: PCWIN64
MATLAB: (R2021a)

Summary

Name	Outcome	Duration (Seconds)
Results: 2021-May-20 17:45:59	43  1 	1199.223
 Multiple_static_obstacle_avoidance	43  1 	1199.221
 Multiple_static_obstacle_100km/h	21  1 	309.658
 0° 100km/h		42.984
 20° 100km/h		8.844
 45° 100km/h		9.265
 70° 100km/h		17.039
 90° 100km/h		8.066
 110° 100km/h		6.944
 135° 100km/h		9.218
 160° 100km/h		16.896
 180° 100km/h		7.108
 -20° 100km/h		7.142
 -45° 100km/h		9.225
 -70° 100km/h		16.42
 -90° 100km/h		6.875
 -110° 100km/h		7.143
 -135° 100km/h		12.351
 -160° 100km/h		20.985
 1000m curvature clockwise 100km/h		28.03
 500m curvature clockwise 100km/h		14.194
 300m curvature clockwise 100km/h		8.871
 300m curvature counterclockwise 100km/h		9.335
 500m curvature counterclockwise 100km/h		13.681
 1000m curvature counterclockwise 100km/h		27.358

 Multiple_static_obstacle_40km/h	22 ✓	889.475
 0° 40km/h	✓	18.036
 20° 40km/h	✓	20.909
 45° 40km/h	✓	32.426
 70° 40km/h	✓	60.518
 90° 40km/h	✓	17.957
 110° 40km/h	✓	18.459
 135° 40km/h	✓	23.985
 160° 40km/h	✓	57.271
 180° 40km/h	✓	16.563
 -20° 40km/h	✓	20.637
 -45° 40km/h	✓	24.117
 -70° 40km/h	✓	54.078
 -90° 40km/h	✓	16.056
 -110° 40km/h	✓	17.002
 -135° 40km/h	✓	23.909
 -160° 40km/h	✓	54.974
 1000m curvature clockwise 40km/h	✓	113.486
 500m curvature clockwise 40km/h	✓	48.882
 300m curvature clockwise 40km/h	✓	31.027
 300m curvature counterclockwise 40km/h	✓	27.086
 500m curvature counterclockwise 40km/h	✓	61.828
 1000m curvature counterclockwise 40km/h	✓	128.736

Results: 2021-May-20 17:45:59

Result Type: Result Set
Parent: None
Start Time: 20-May-2021 17:46:06
End Time: 20-May-2021 18:06:05
Outcome: Total: 44, Passed: 43, Failed: 1

[Back to Report Summary](#)

Multiple_static_obstacle_avoidance

Test Result Information

Result Type: Test File Result
Parent: [Results: 2021-May-20 17:45:59](#)
Start Time: 20-May-2021 17:46:06
End Time: 20-May-2021 18:06:05
Outcome: Total: 44, Passed: 43, Failed: 1

Test Suite Information

Name: Multiple_static_obstacle_avoidance

[Back to Report Summary](#)

Multiple_static_obstacle_100km/h

Test Result Information

Result Type: Test Suite Result
Parent: [Multiple_static_obstacle_avoidance](#)
Start Time: 20-May-2021 17:46:06
End Time: 20-May-2021 17:51:16
Outcome: Total: 22, Passed: 21, Failed: 1

Test Suite Information

Name: Multiple_static_obstacle_100km/h

[Back to Report Summary](#)

0° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:46:06
End Time: 20-May-2021 17:46:49
Outcome: **Passed**

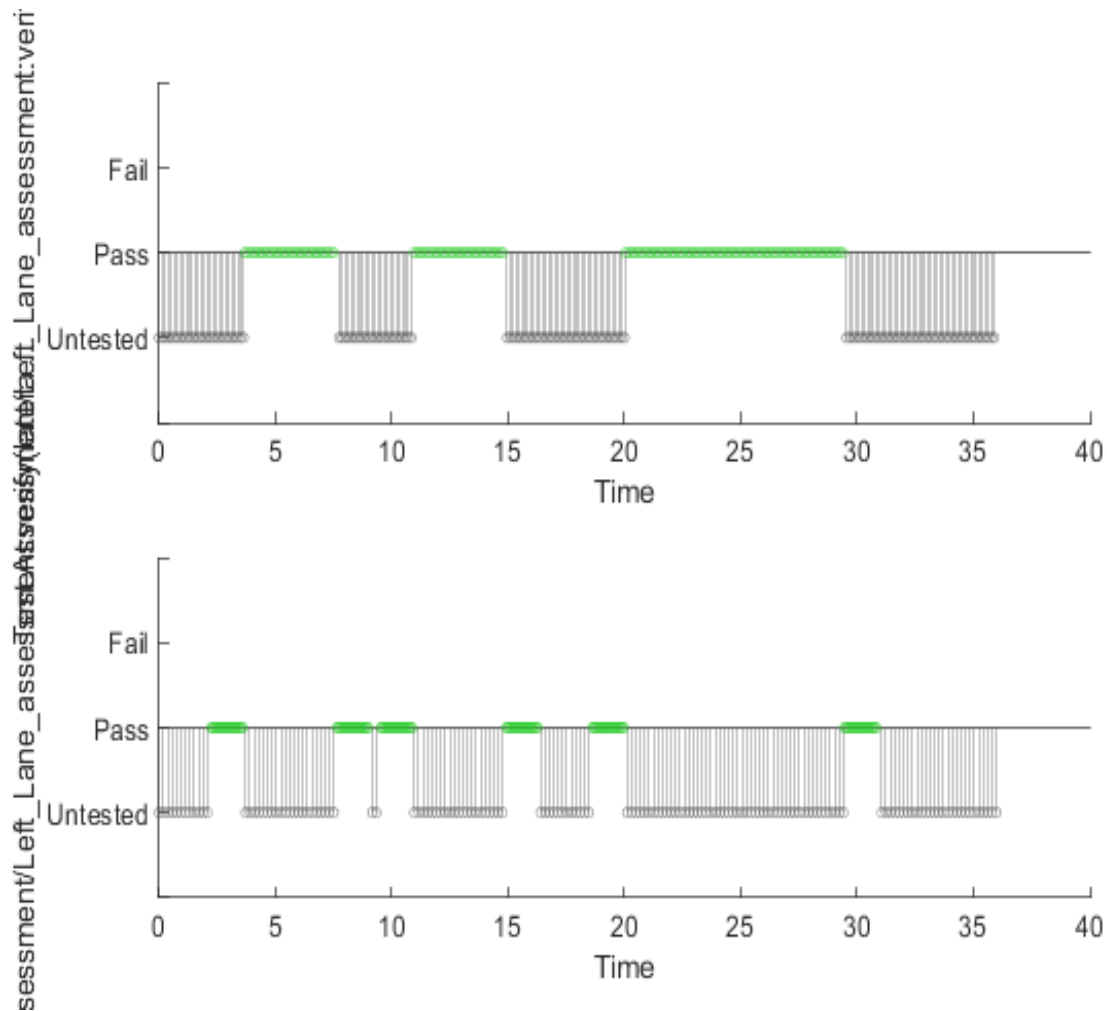
Test Case Information

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

Verify Result

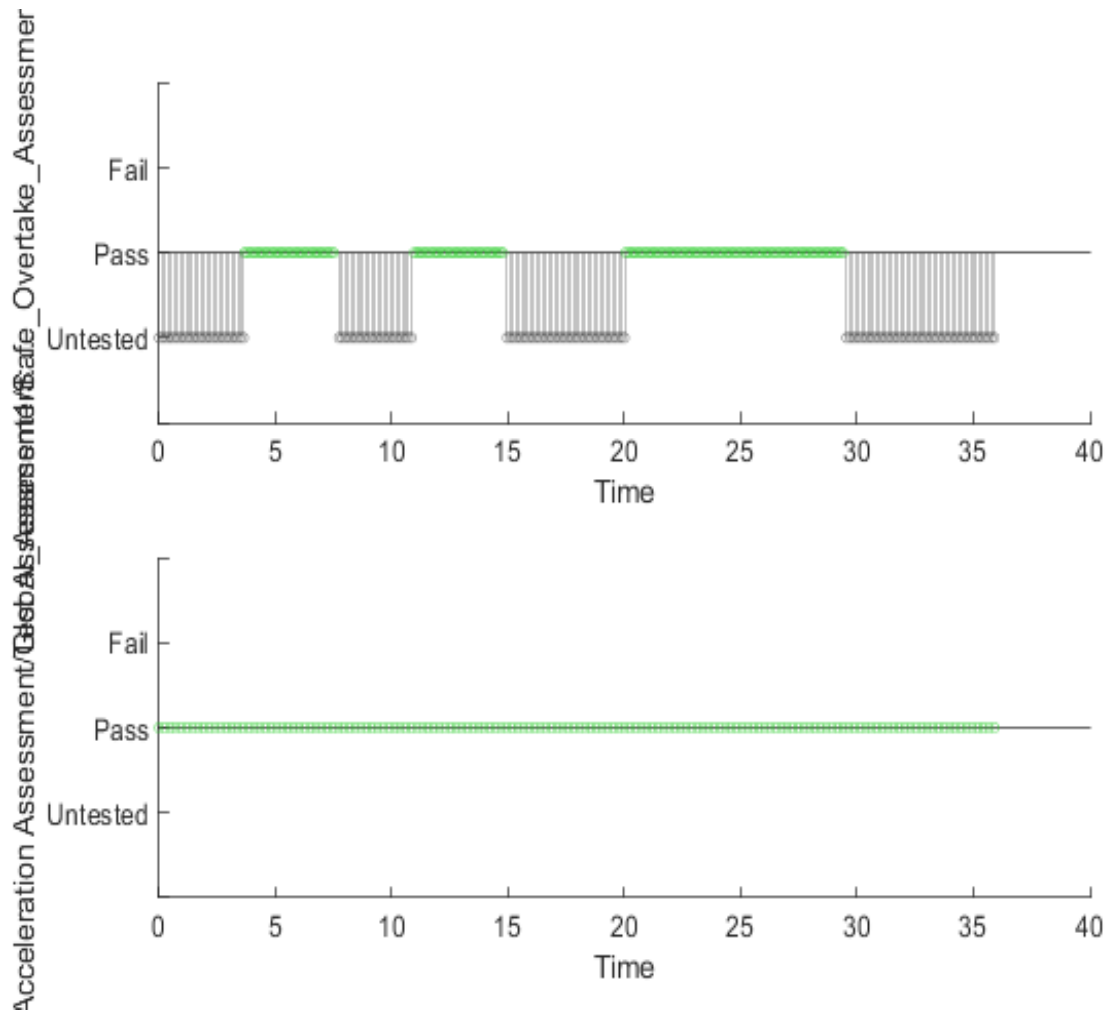
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

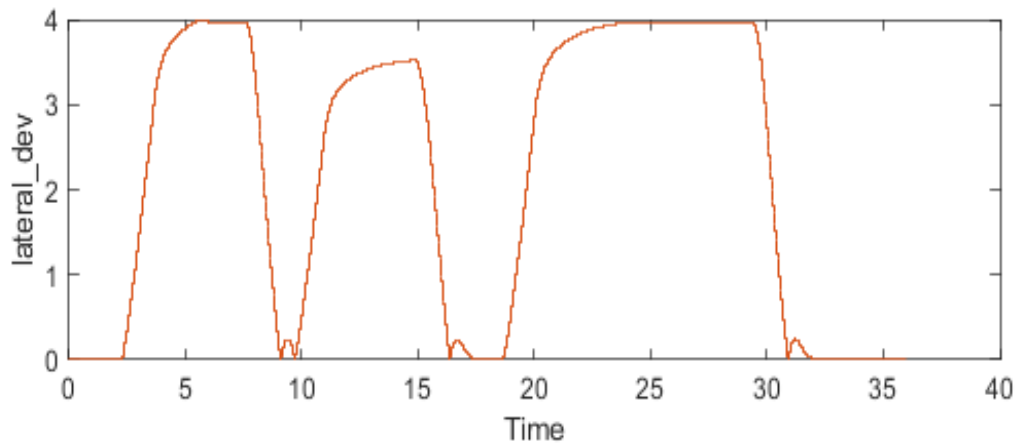
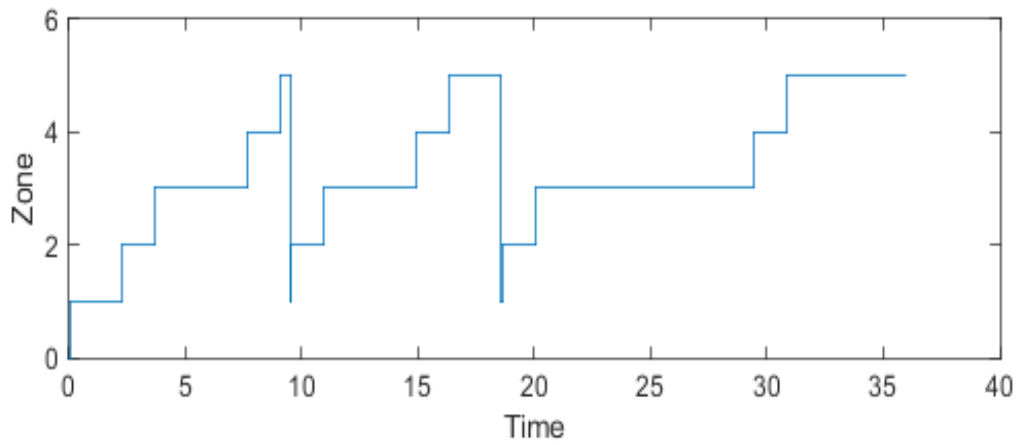
Stop Time:36

Checksum:1707692341 1026534621 4236242924 2648005604

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



[Back to Report Summary](#)[Back to Signal Summary](#)

20° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:46:49

End Time: 20-May-2021 17:46:58
Outcome: Passed

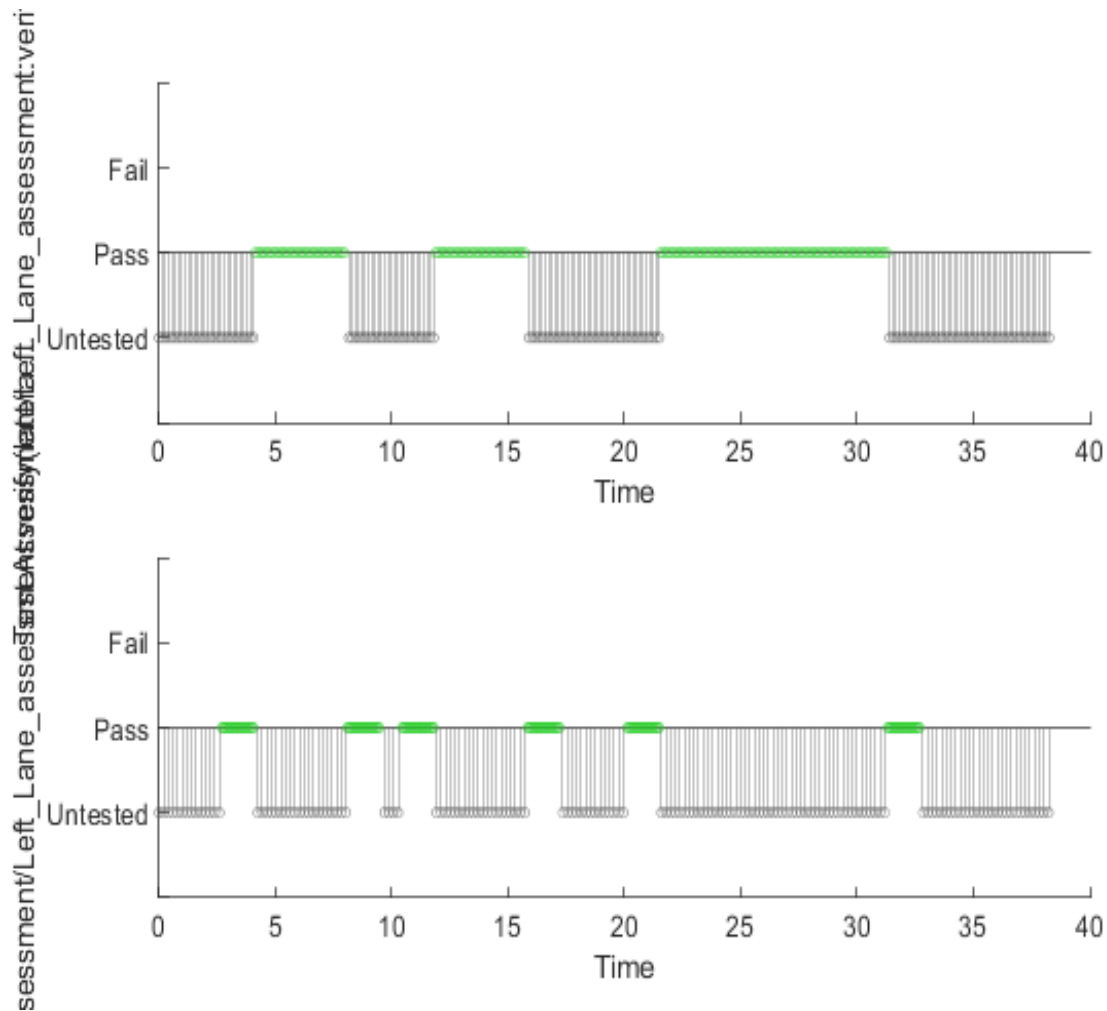
Test Case Information

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

Verify Result

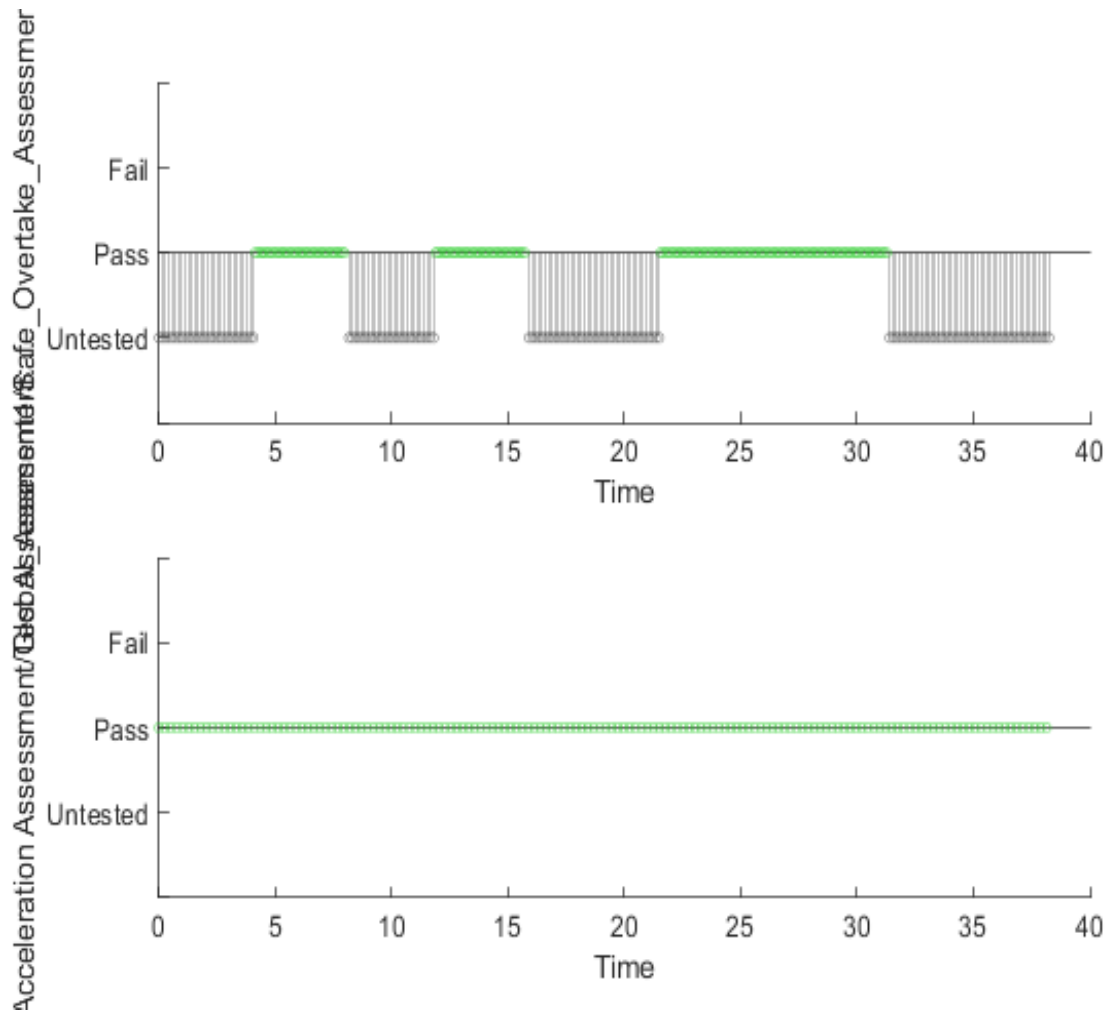
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

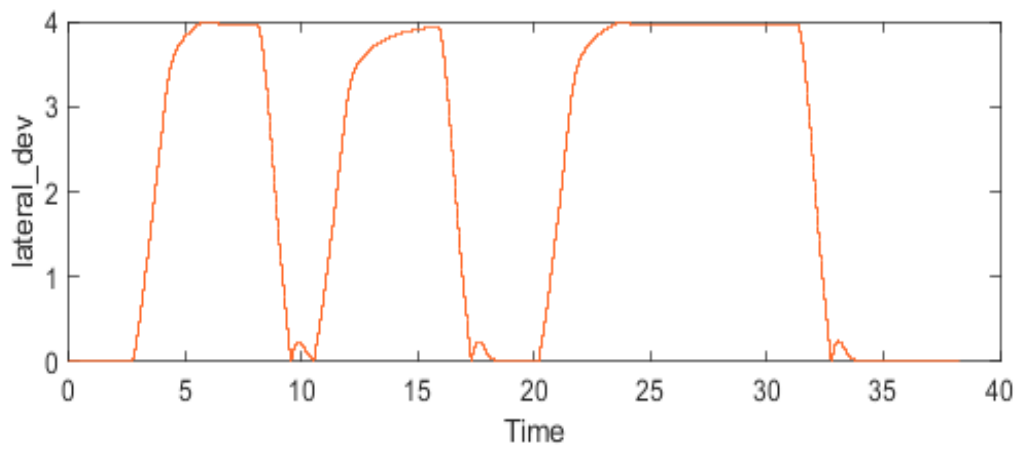
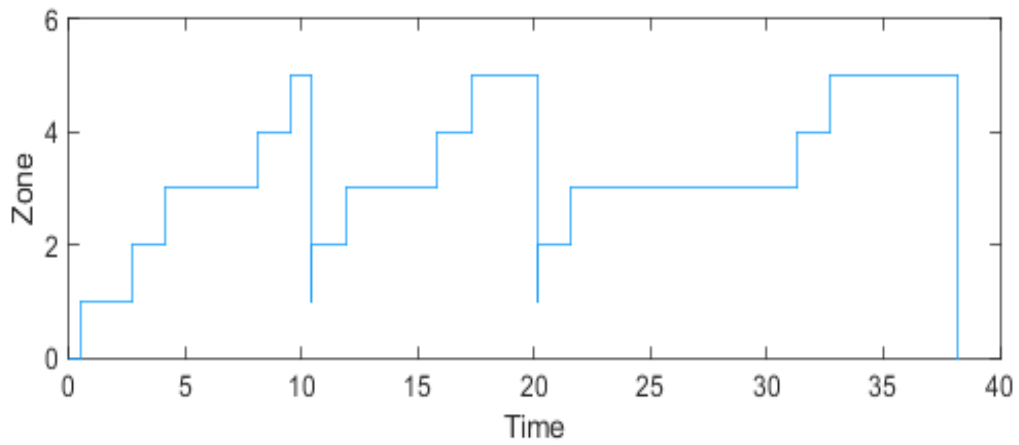
Stop Time:38.310766319665291

Checksum:2650575587 1592012283 1674845460 3778601158

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



[Back to Report Summary](#)[Back to Signal Summary](#)

45° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)
 Start Time: 20-May-2021 17:46:58

End Time: 20-May-2021 17:47:07
Outcome: Passed

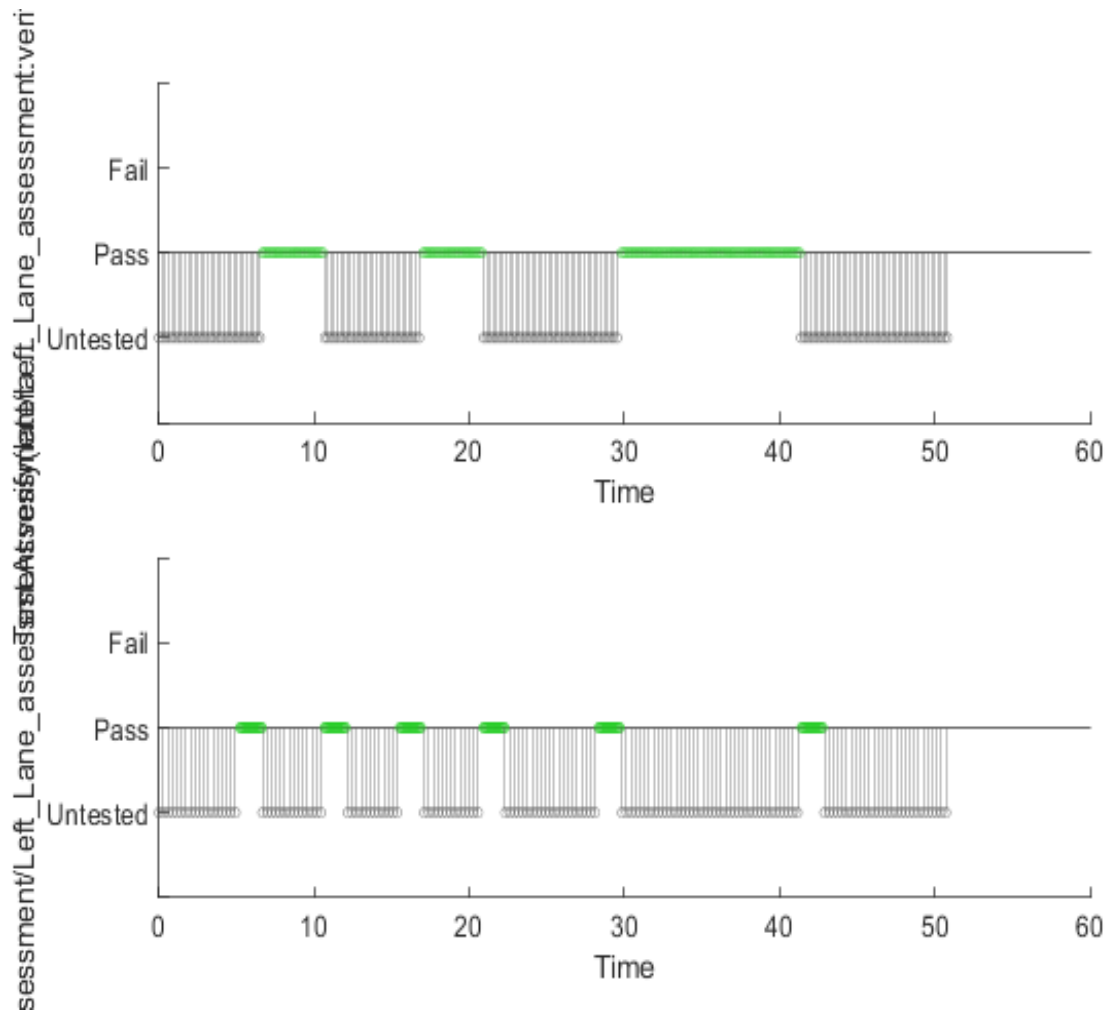
Test Case Information

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

Verify Result

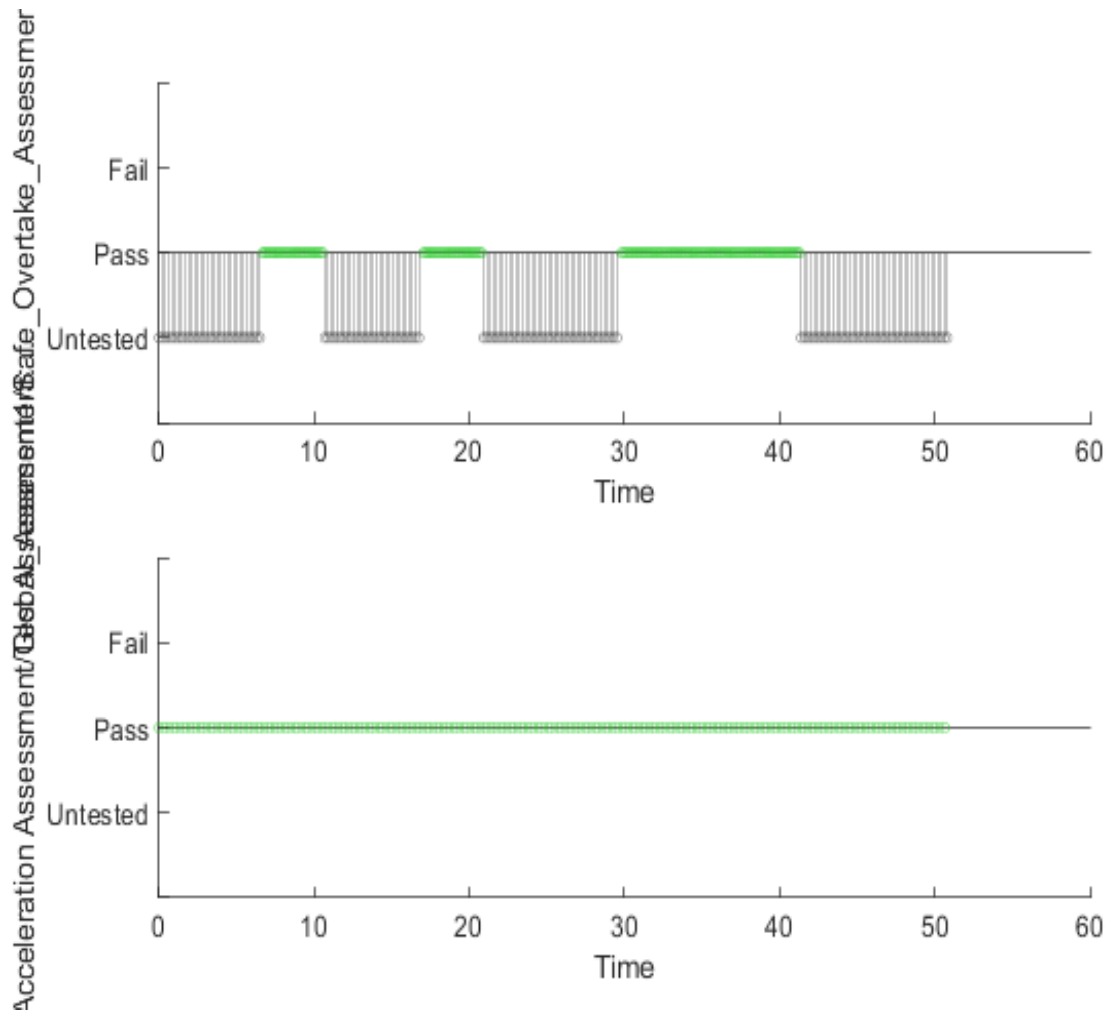
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

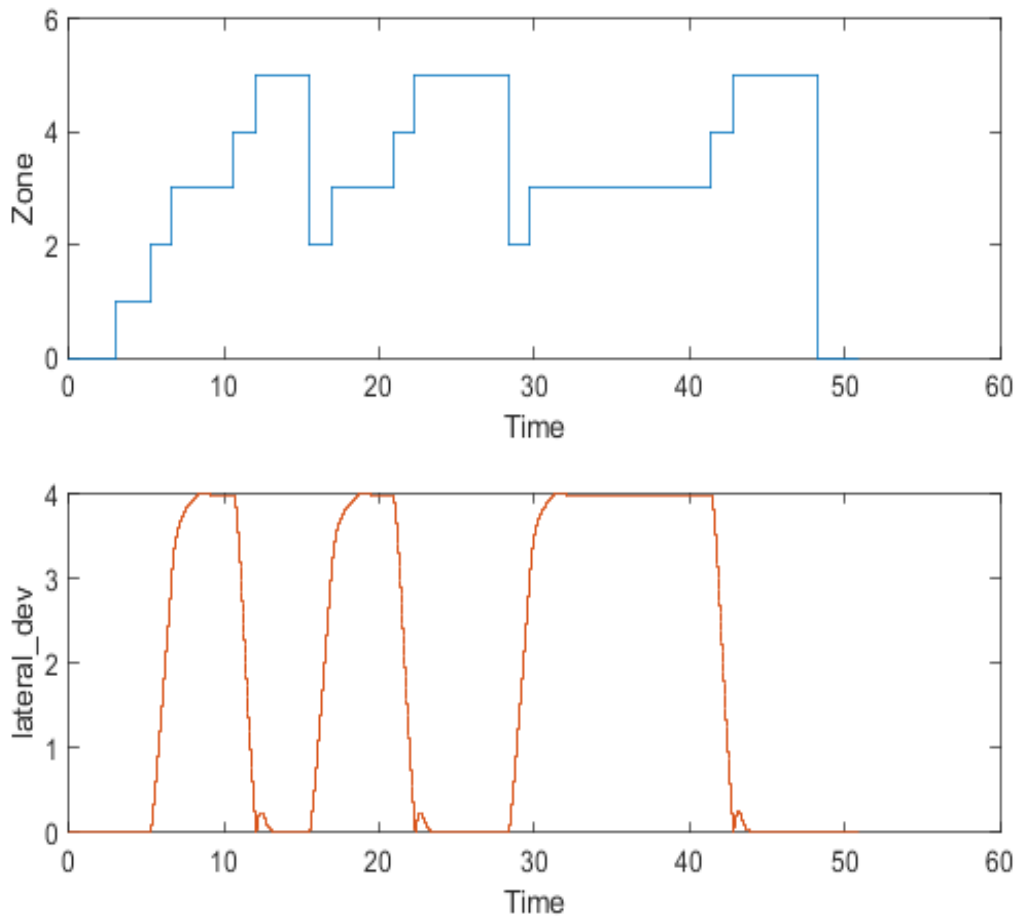
Stop Time:50.911688245431421

Checksum:1080441540 1486974608 2498851331 3846687440

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



[Back to Report Summary](#)[Back to Signal Summary](#)

70° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:47:08

End Time: 20-May-2021 17:47:25
Outcome: Passed

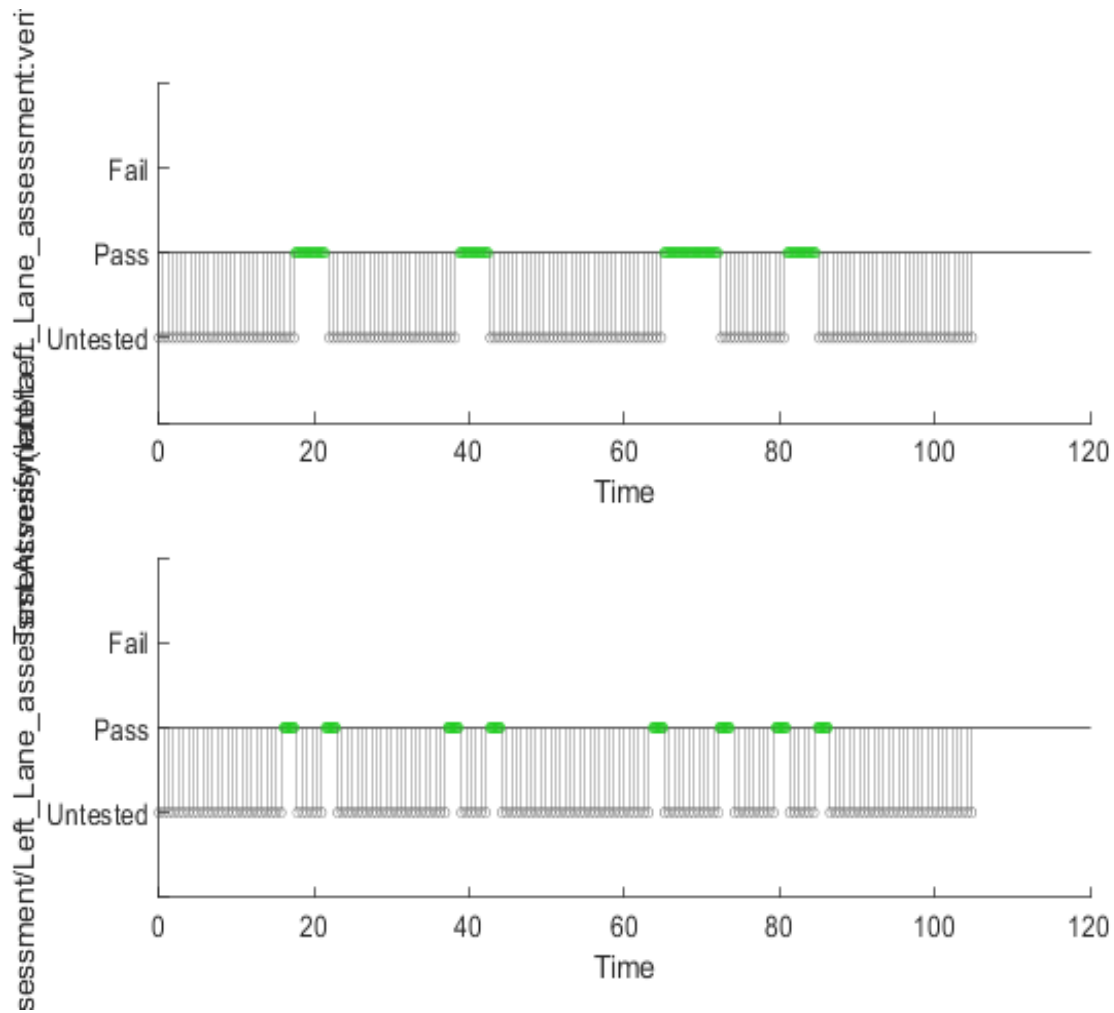
Test Case Information

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

Verify Result

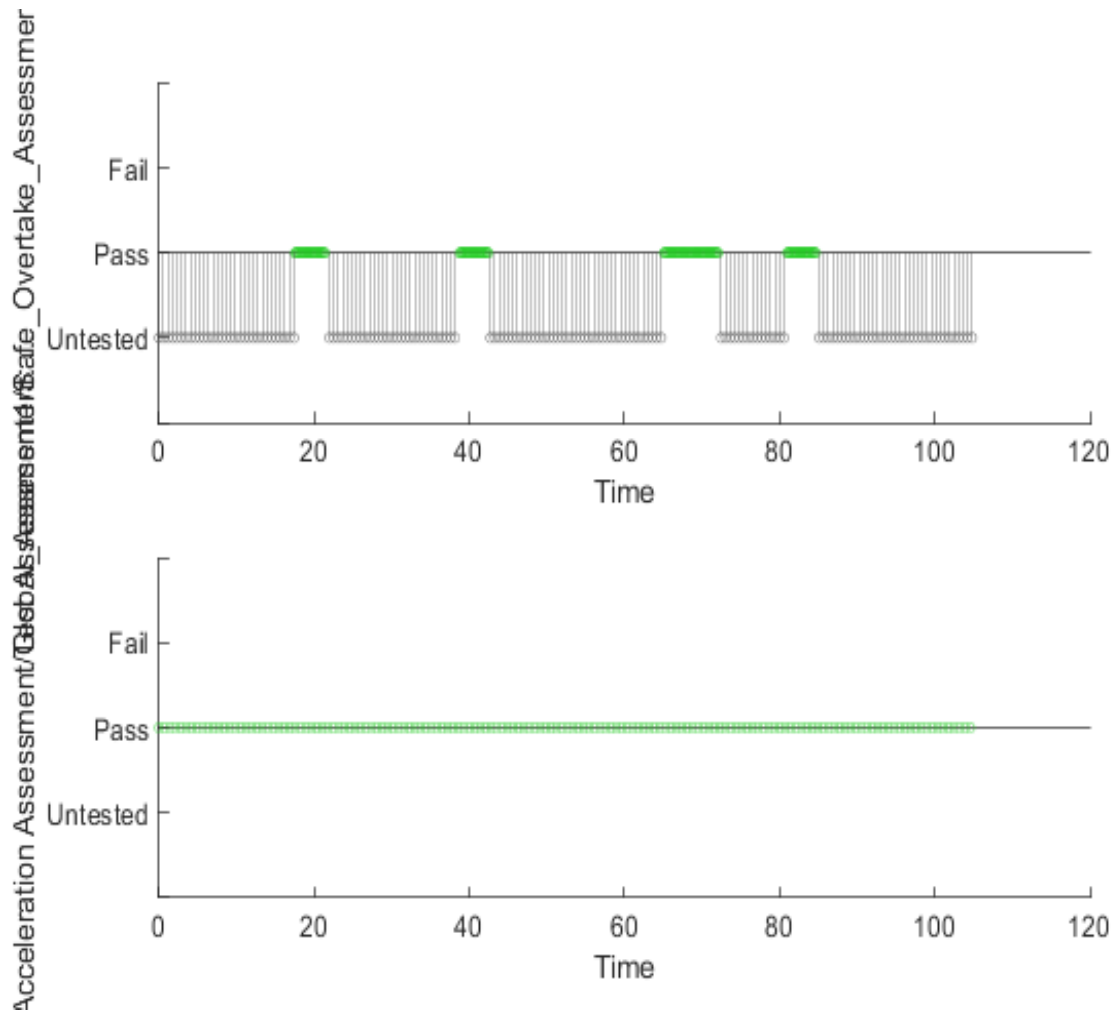
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

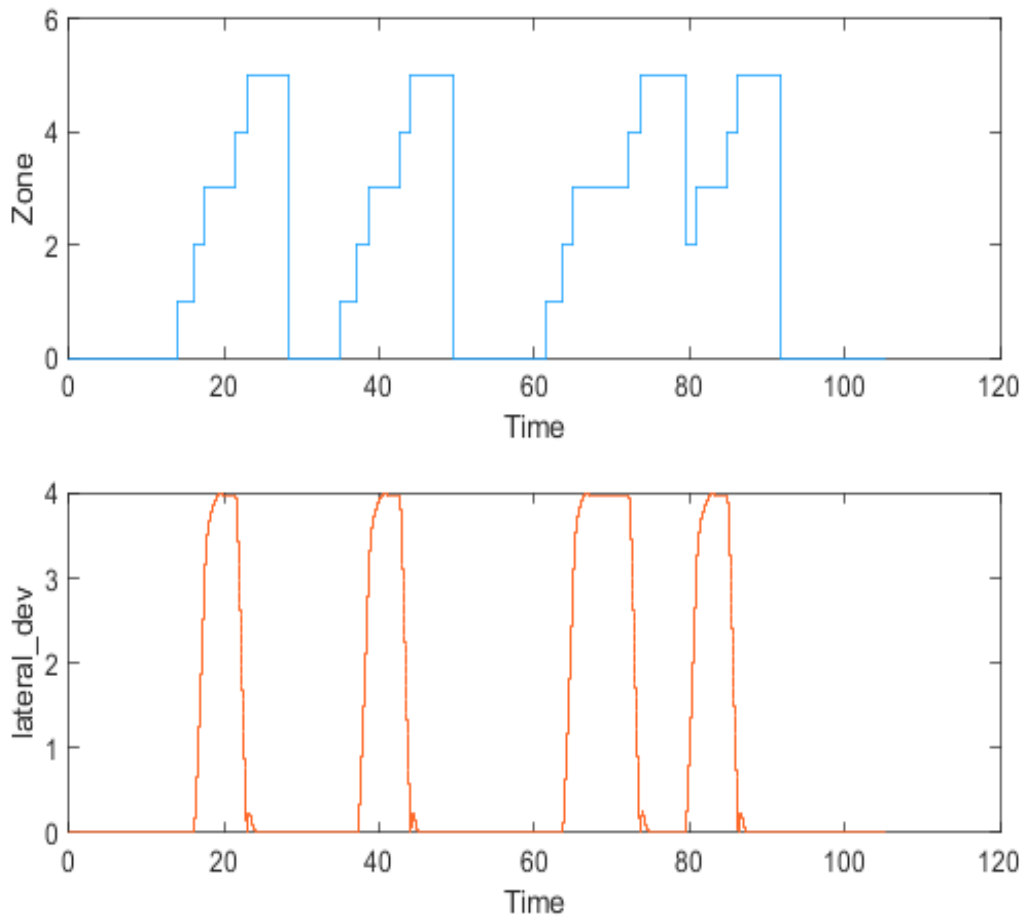
Stop Time:105.24080797865437

Checksum:867695202 2942605765 2357989887 958239529

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



[Back to Report Summary](#)[Back to Signal Summary](#)

90° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:47:25

End Time: 20-May-2021 17:47:33
Outcome: Passed

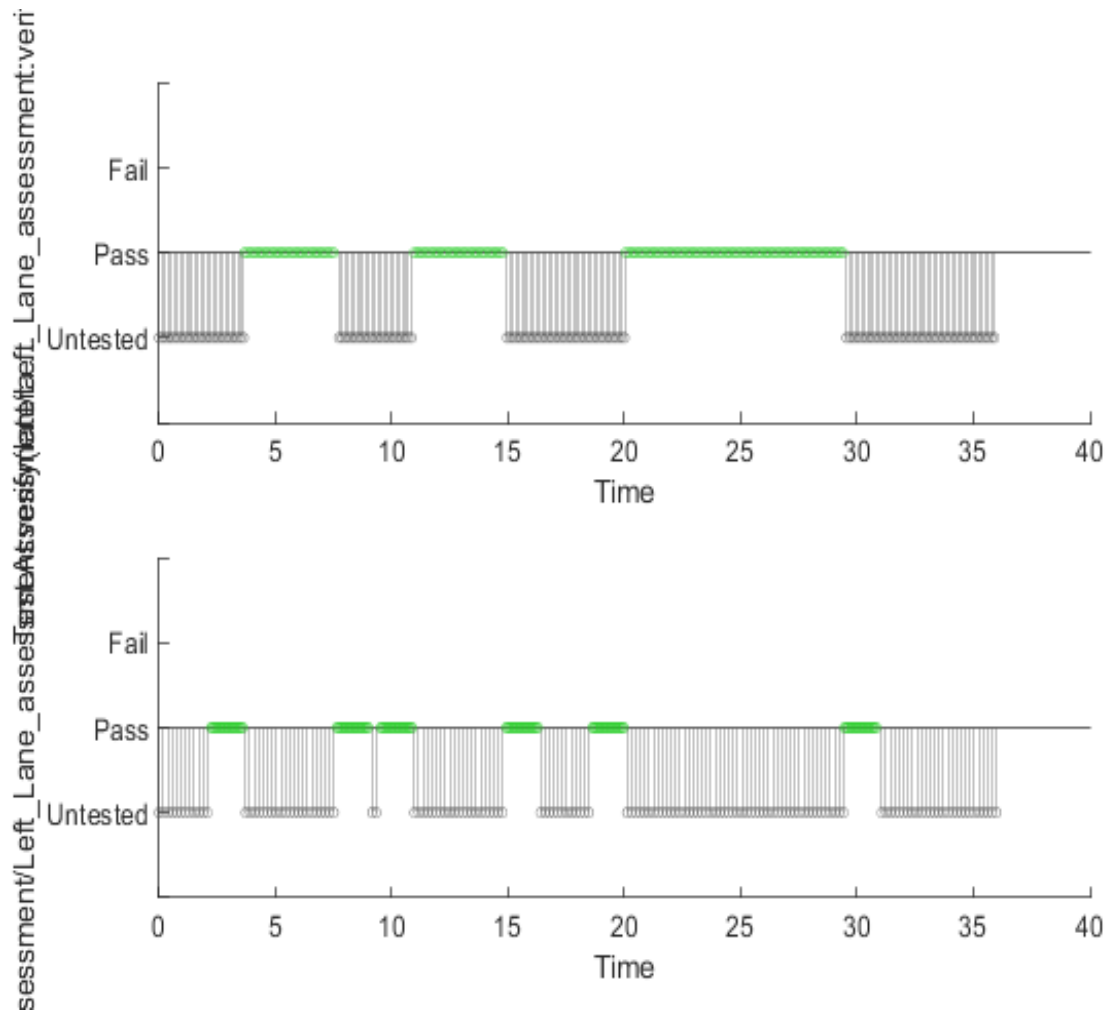
Test Case Information

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

Verify Result

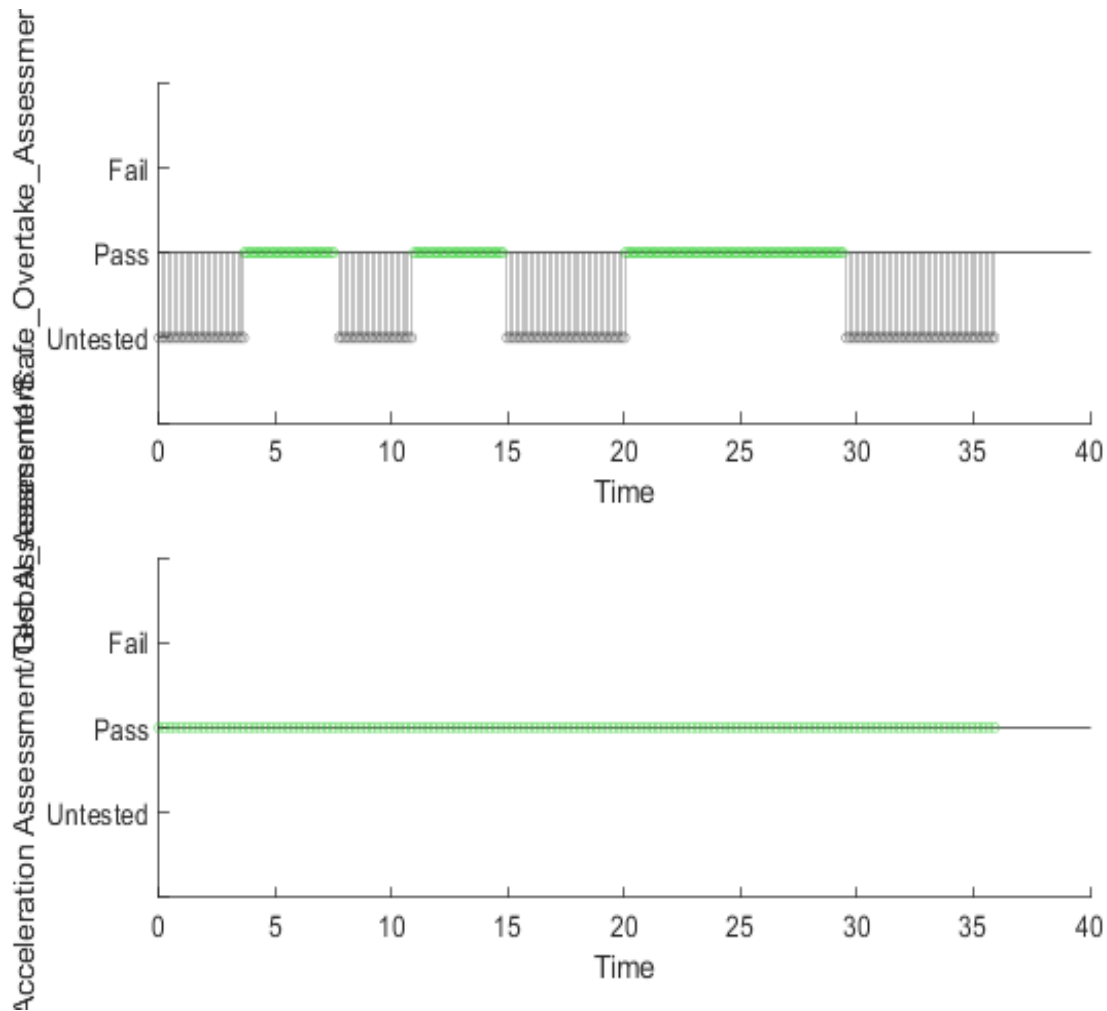
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

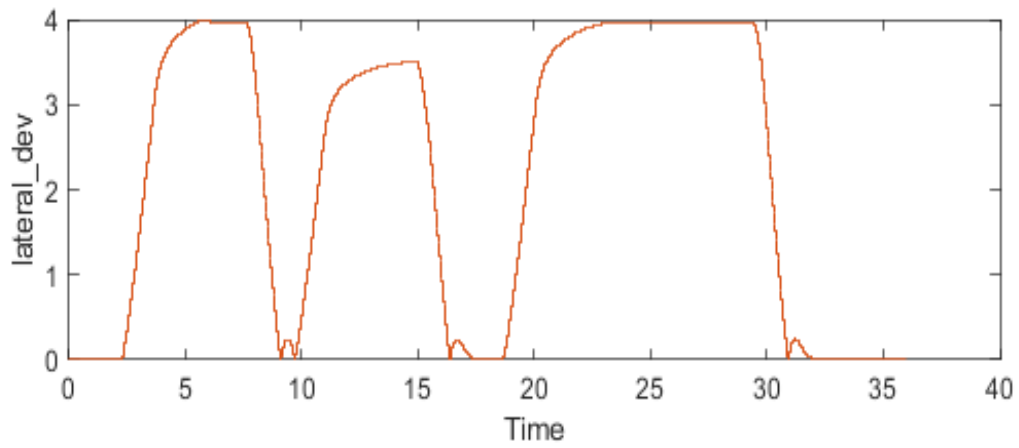
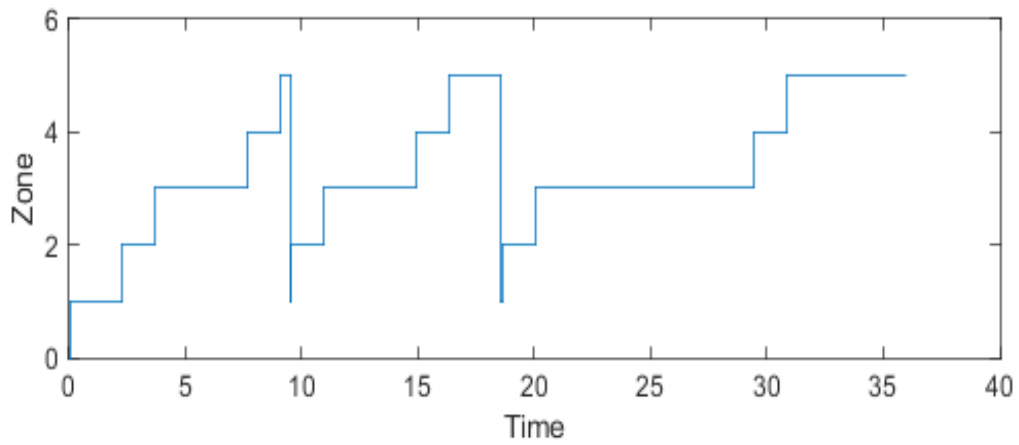
Stop Time:36

Checksum:1707692341 1026534621 4236242924 2648005604

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



[Back to Report Summary](#)[Back to Signal Summary](#)

110° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:47:33

End Time: 20-May-2021 17:47:40
Outcome: Passed

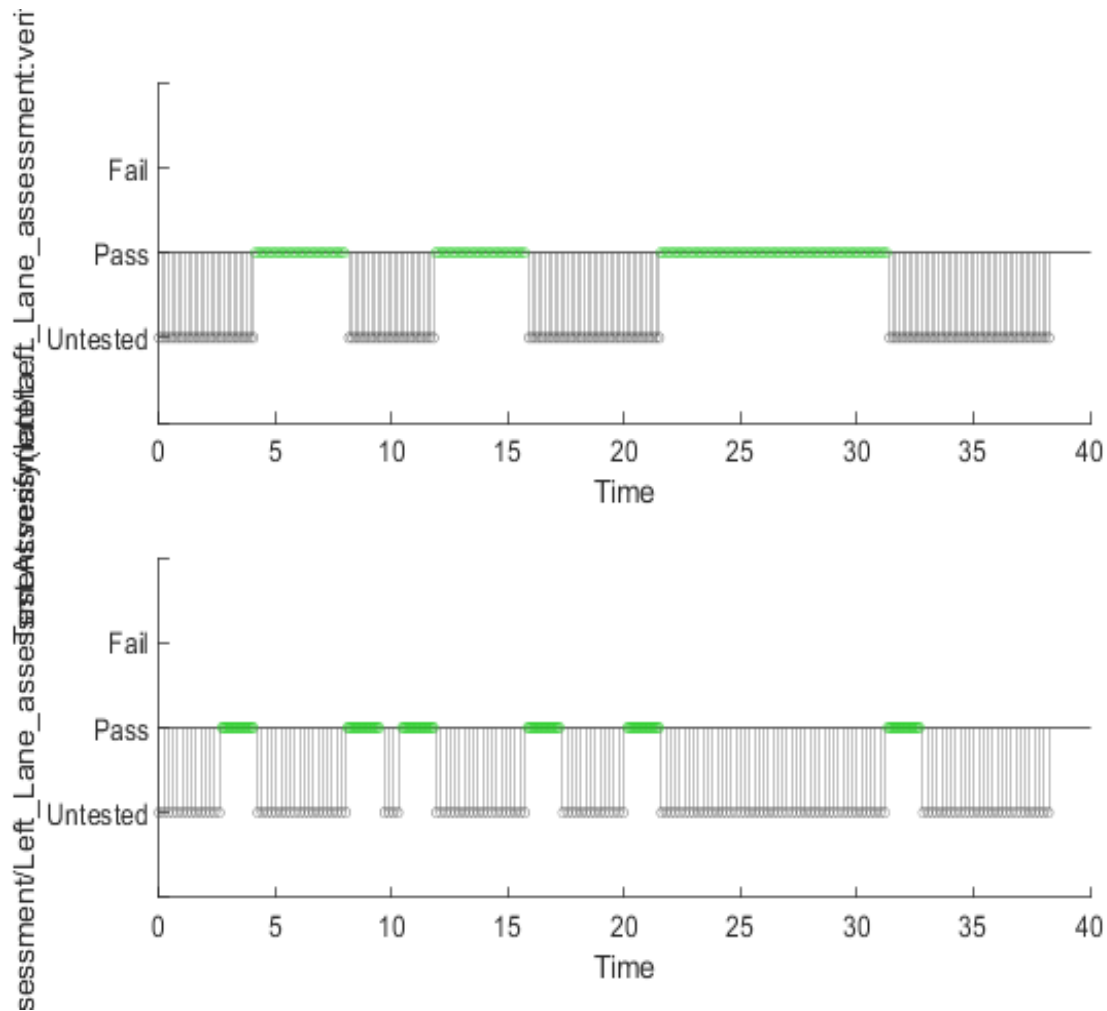
Test Case Information

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

Verify Result

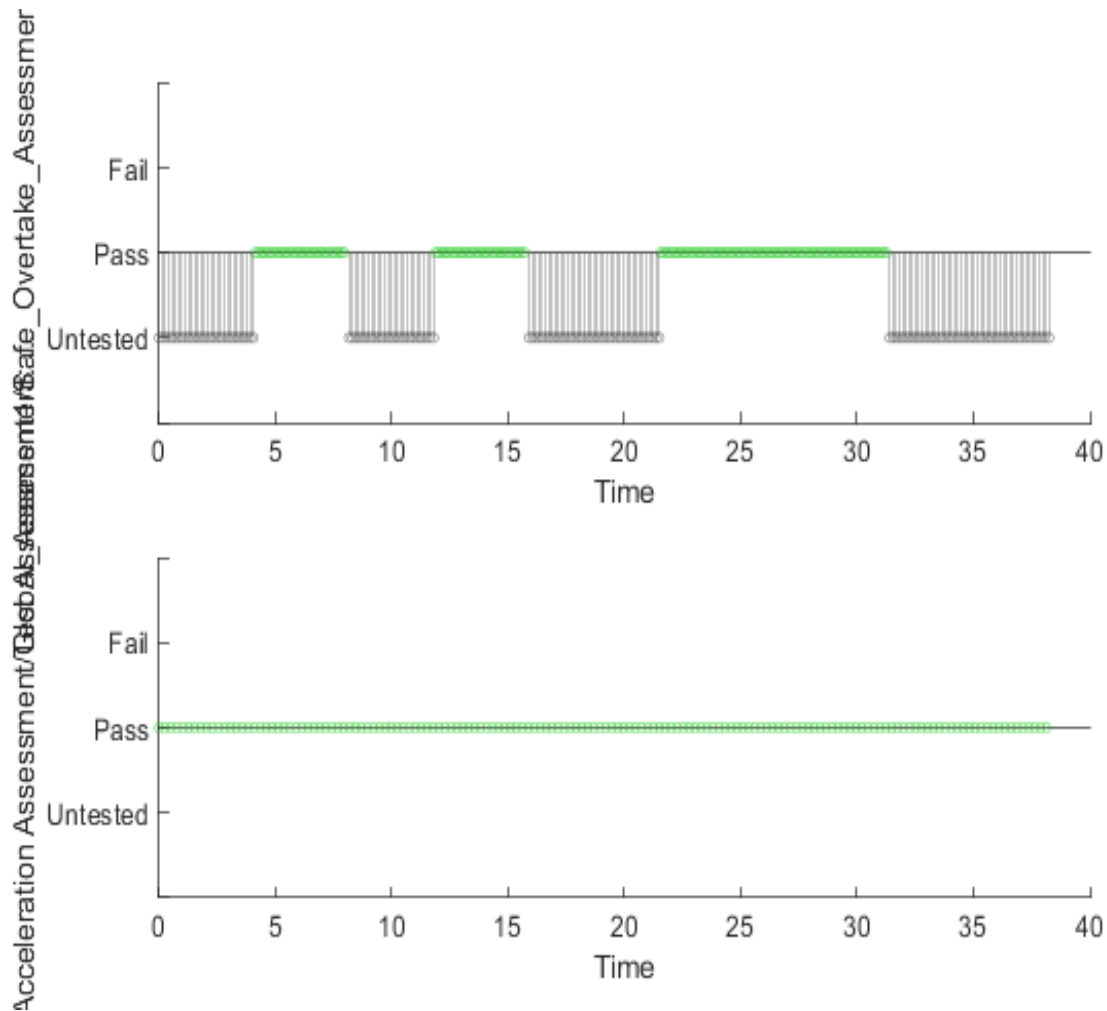
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

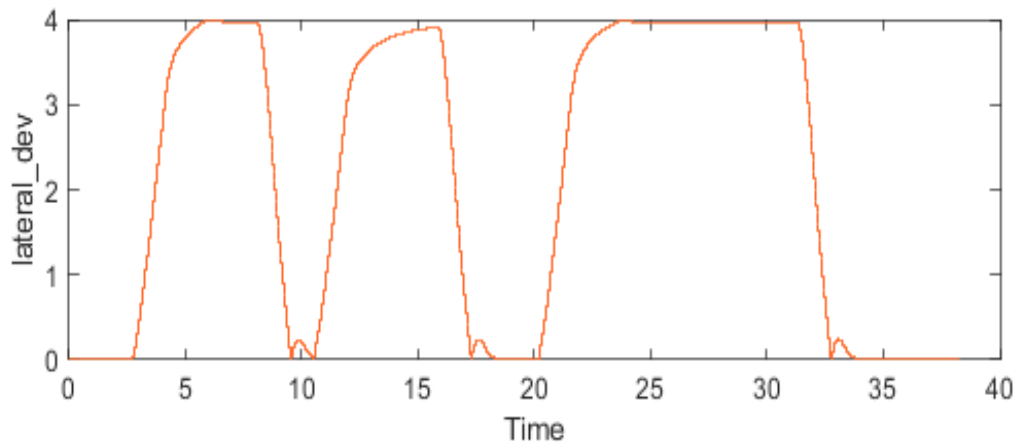
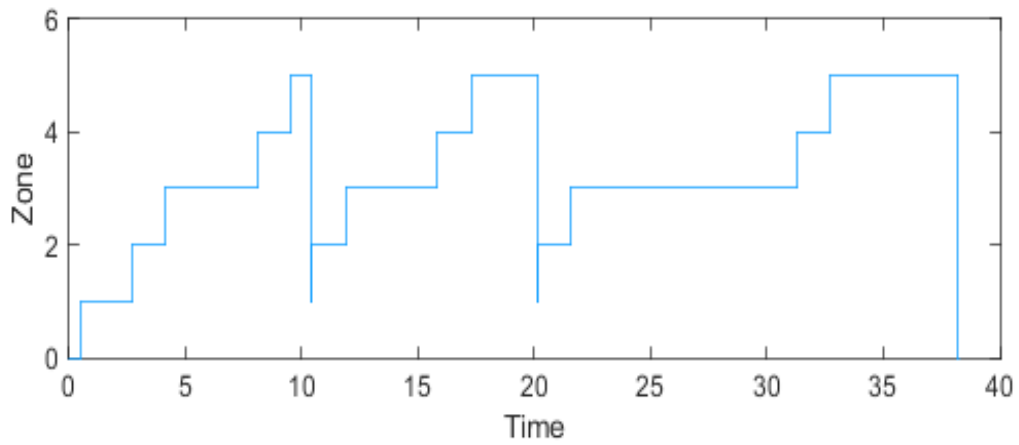
Stop Time:38.310766319665291

Checksum:2650575587 1592012283 1674845460 3778601158

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



[Back to Report Summary](#)[Back to Signal Summary](#)

135° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:47:40

End Time: 20-May-2021 17:47:49
Outcome: Passed

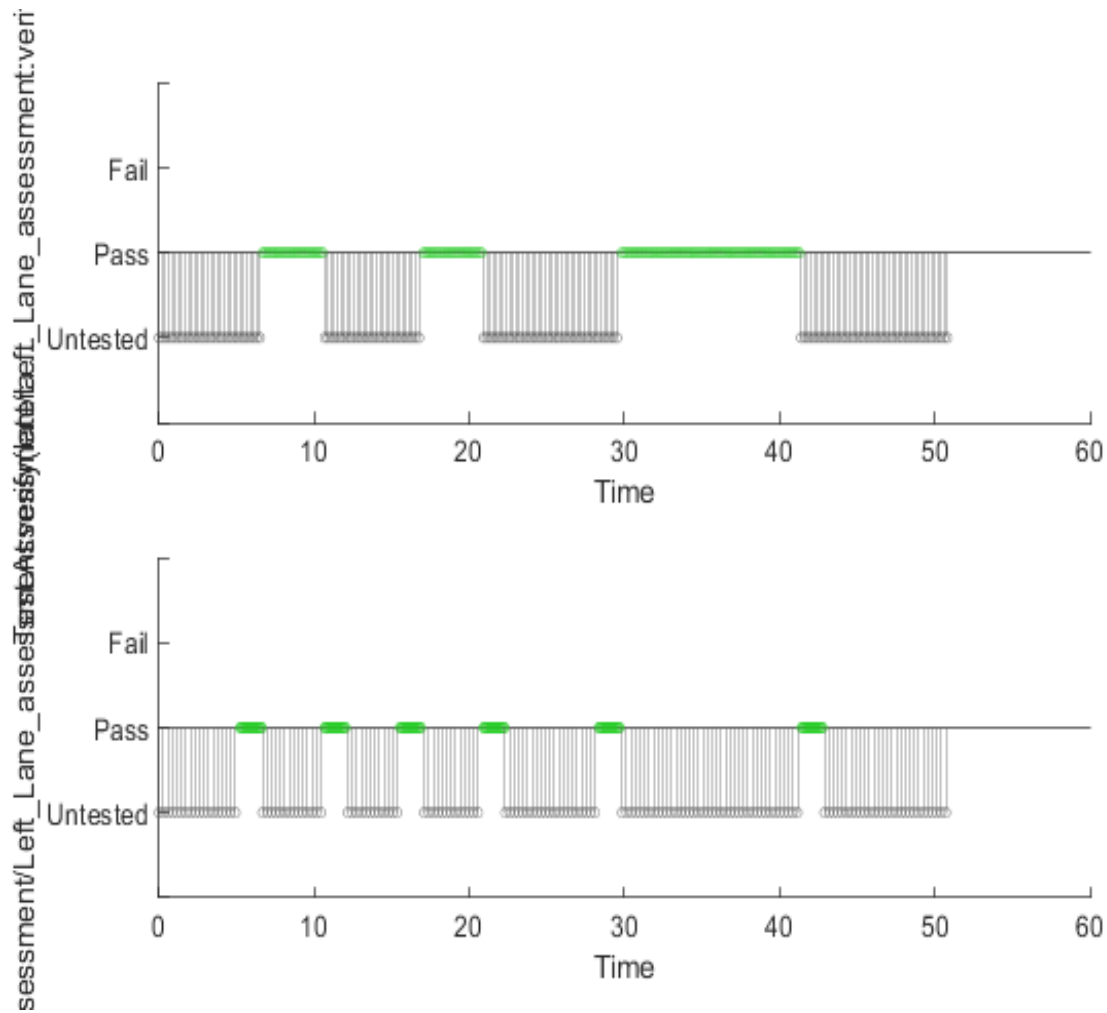
Test Case Information

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

Verify Result

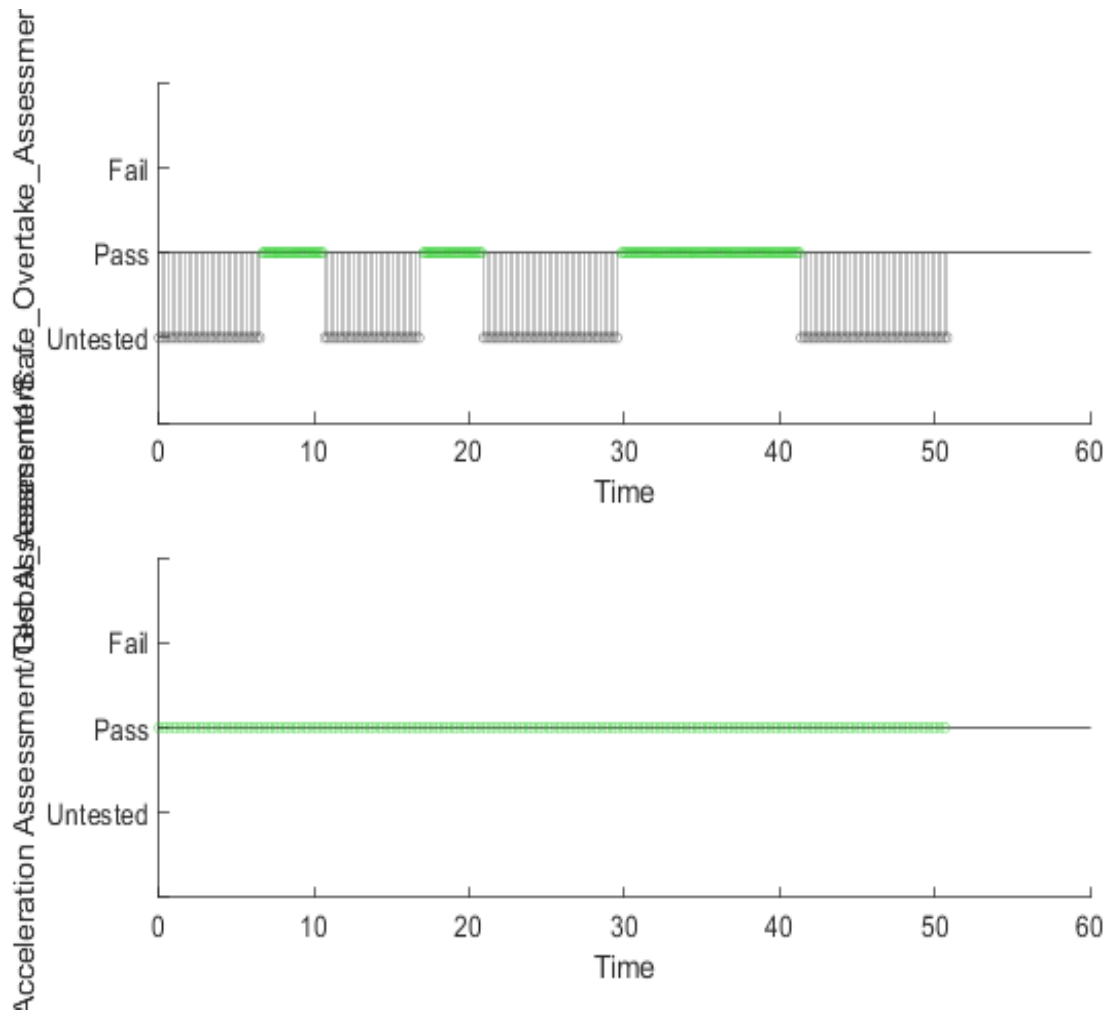
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

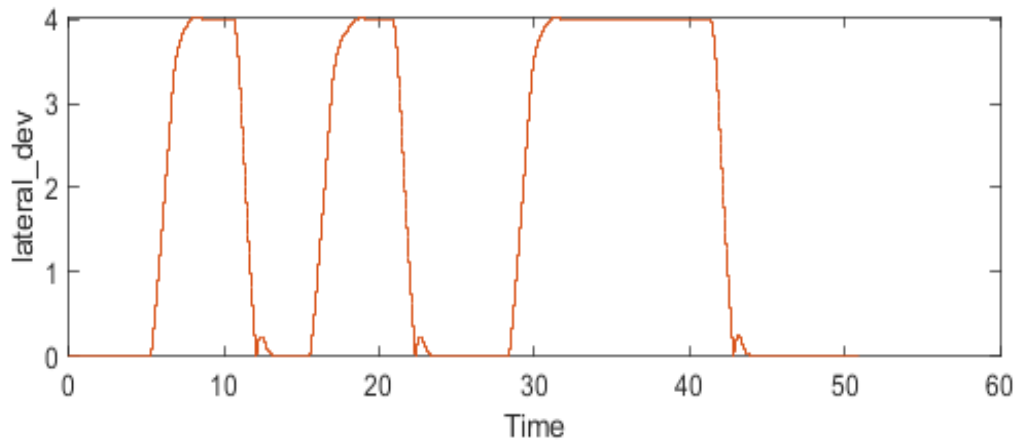
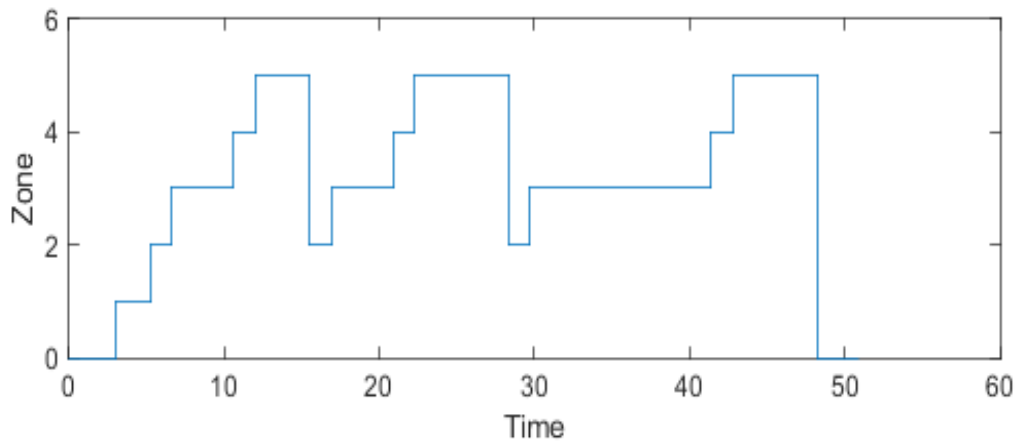
Stop Time:50.911688245431421

Checksum:1080441540 1486974608 2498851331 3846687440

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



[Back to Report Summary](#)[Back to Signal Summary](#)

160° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:47:49

End Time: 20-May-2021 17:48:06
Outcome: Passed

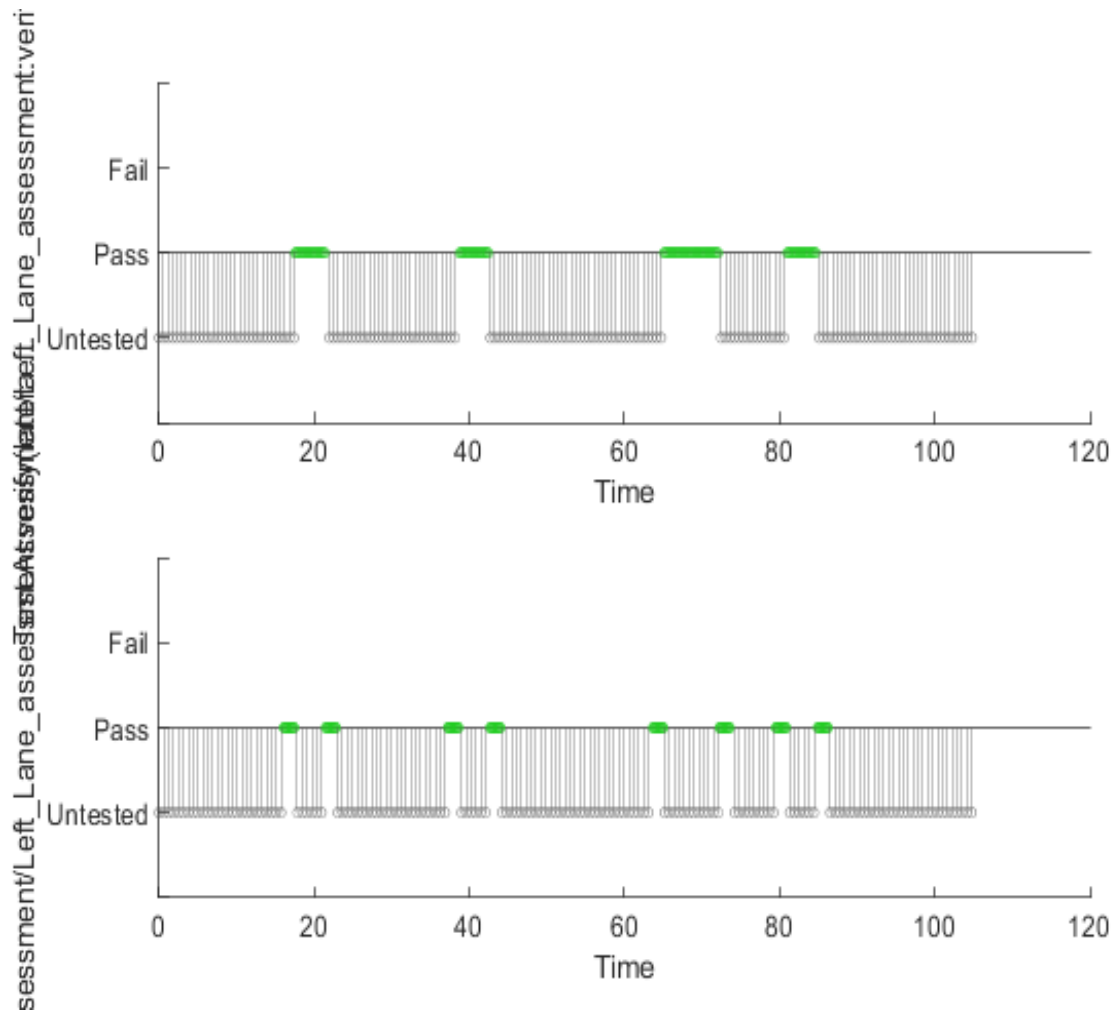
Test Case Information

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

Verify Result

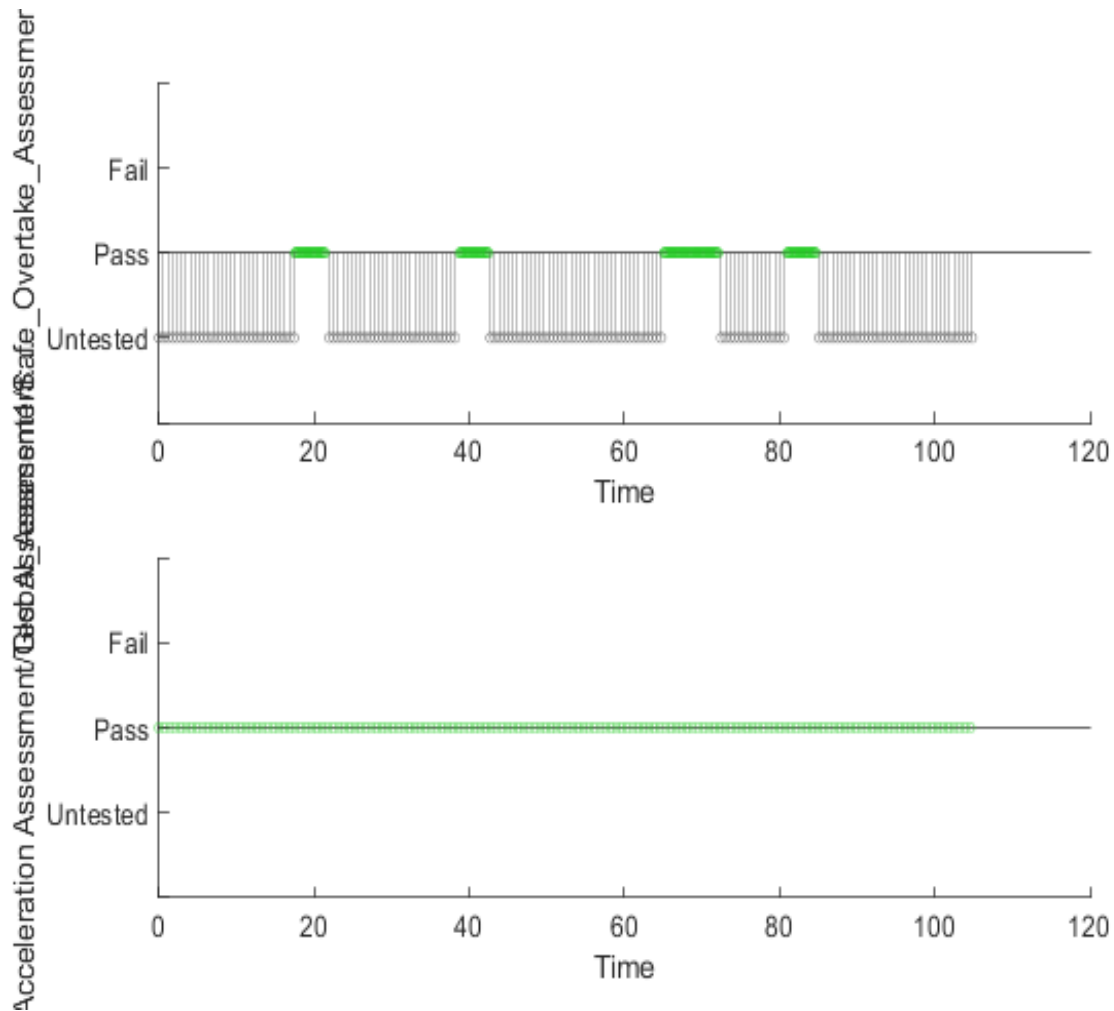
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

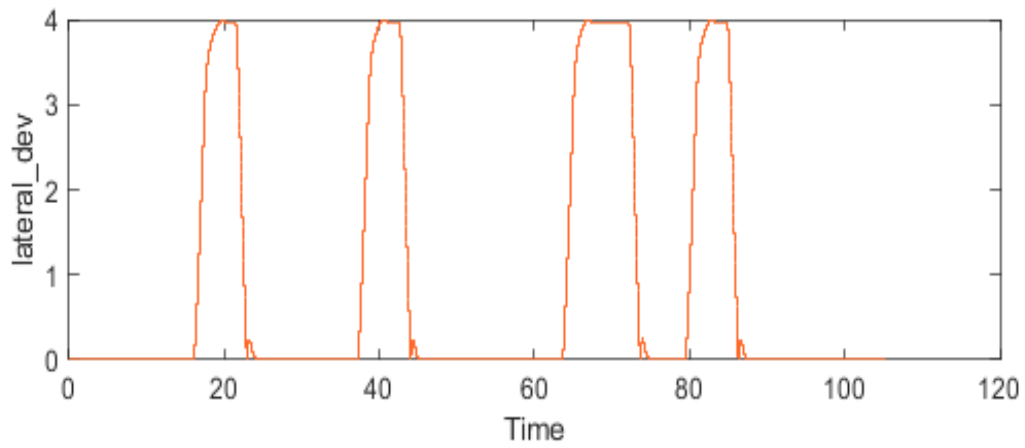
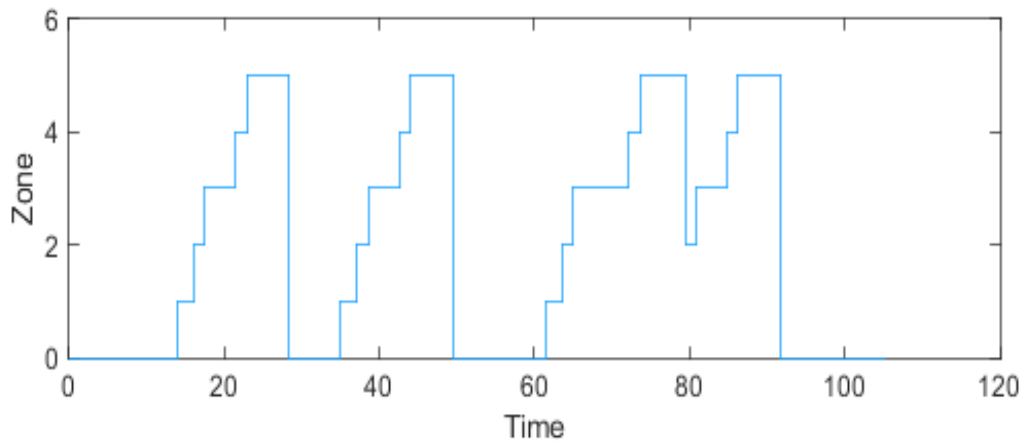
Stop Time:105.24080797865437

Checksum:867695202 2942605765 2357989887 958239529

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



[Back to Report Summary](#)[Back to Signal Summary](#)

180° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)
 Start Time: 20-May-2021 17:48:06

End Time: 20-May-2021 17:48:13
Outcome: Passed

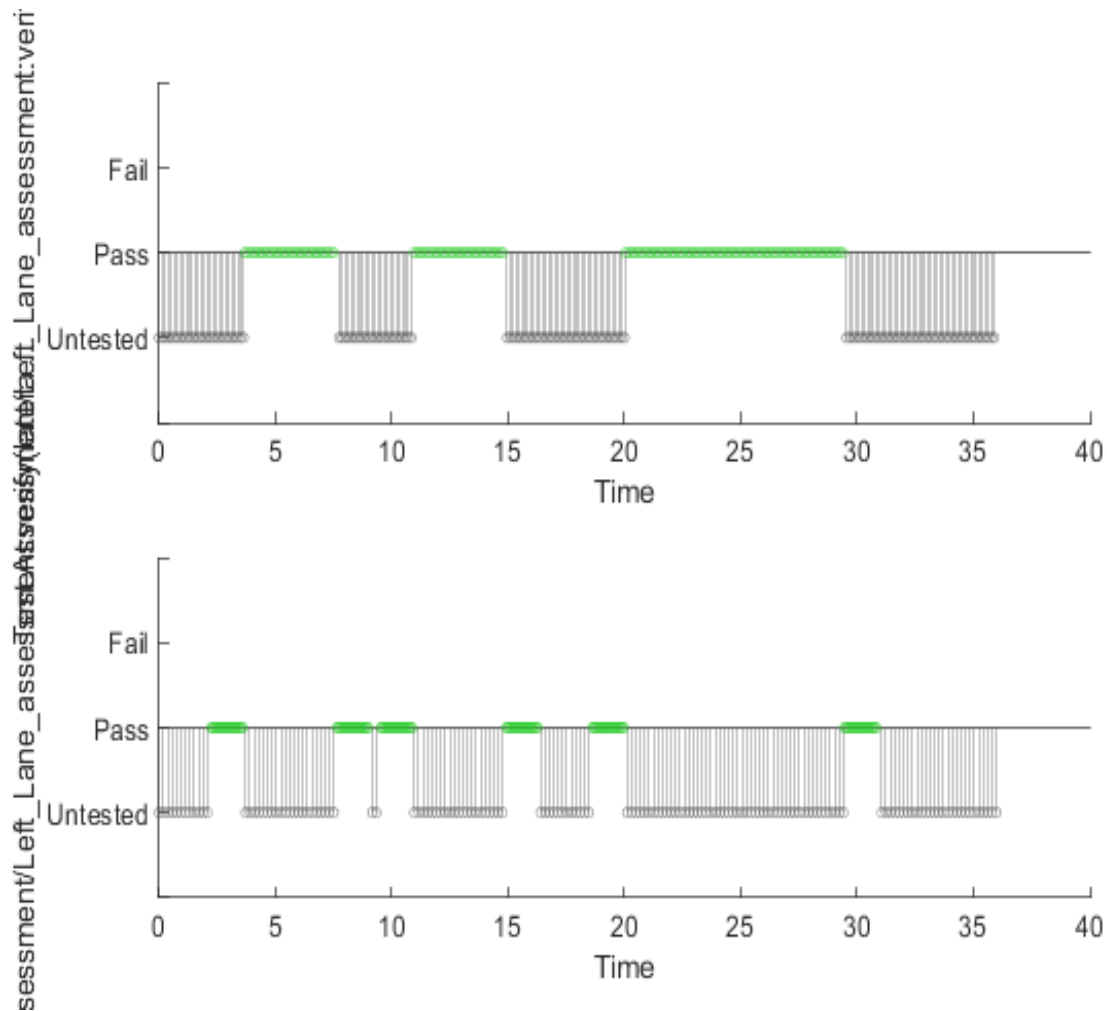
Test Case Information

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

Verify Result

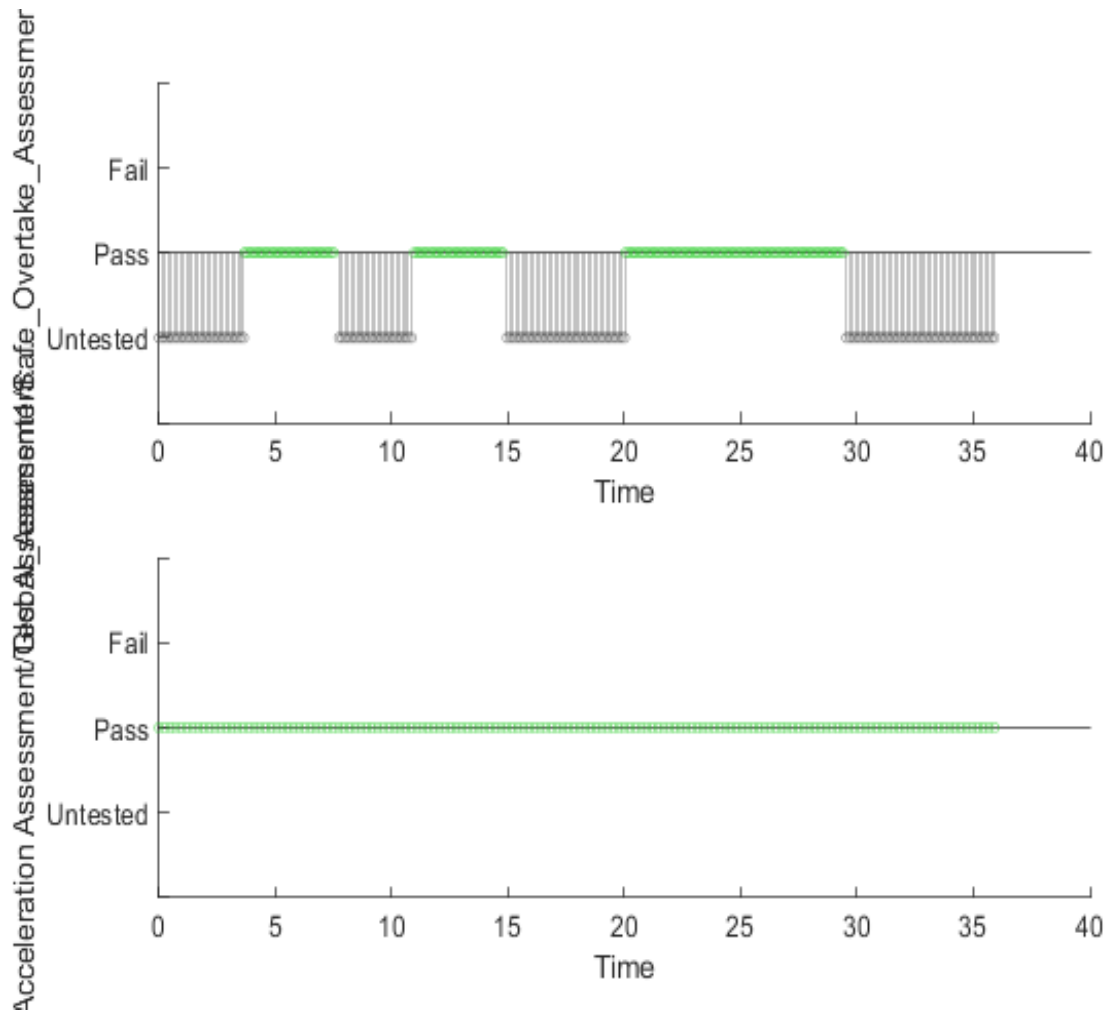
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

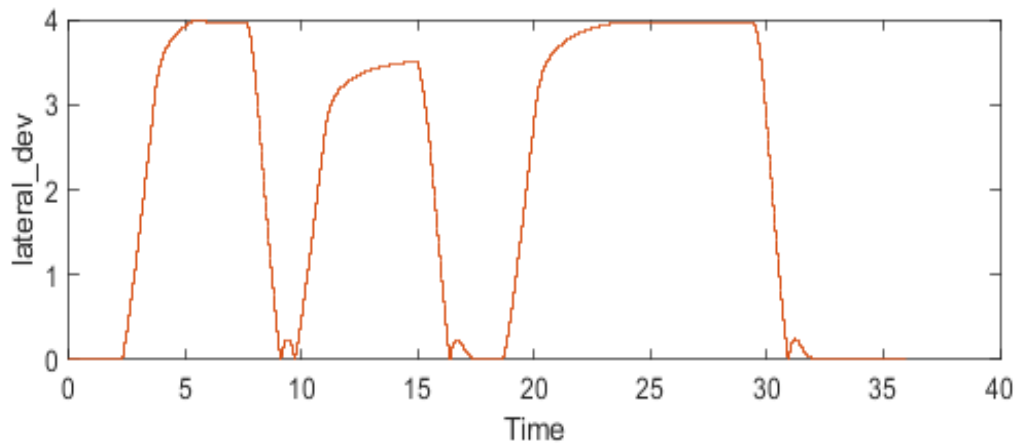
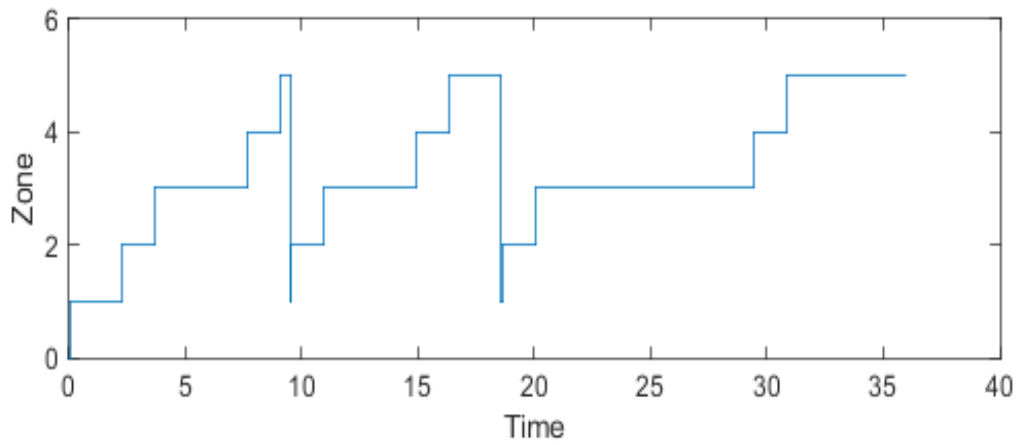
Stop Time:36

Checksum:1707692341 1026534621 4236242924 2648005604

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-20° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)
 Start Time: 20-May-2021 17:48:13

End Time: 20-May-2021 17:48:21
Outcome: Passed

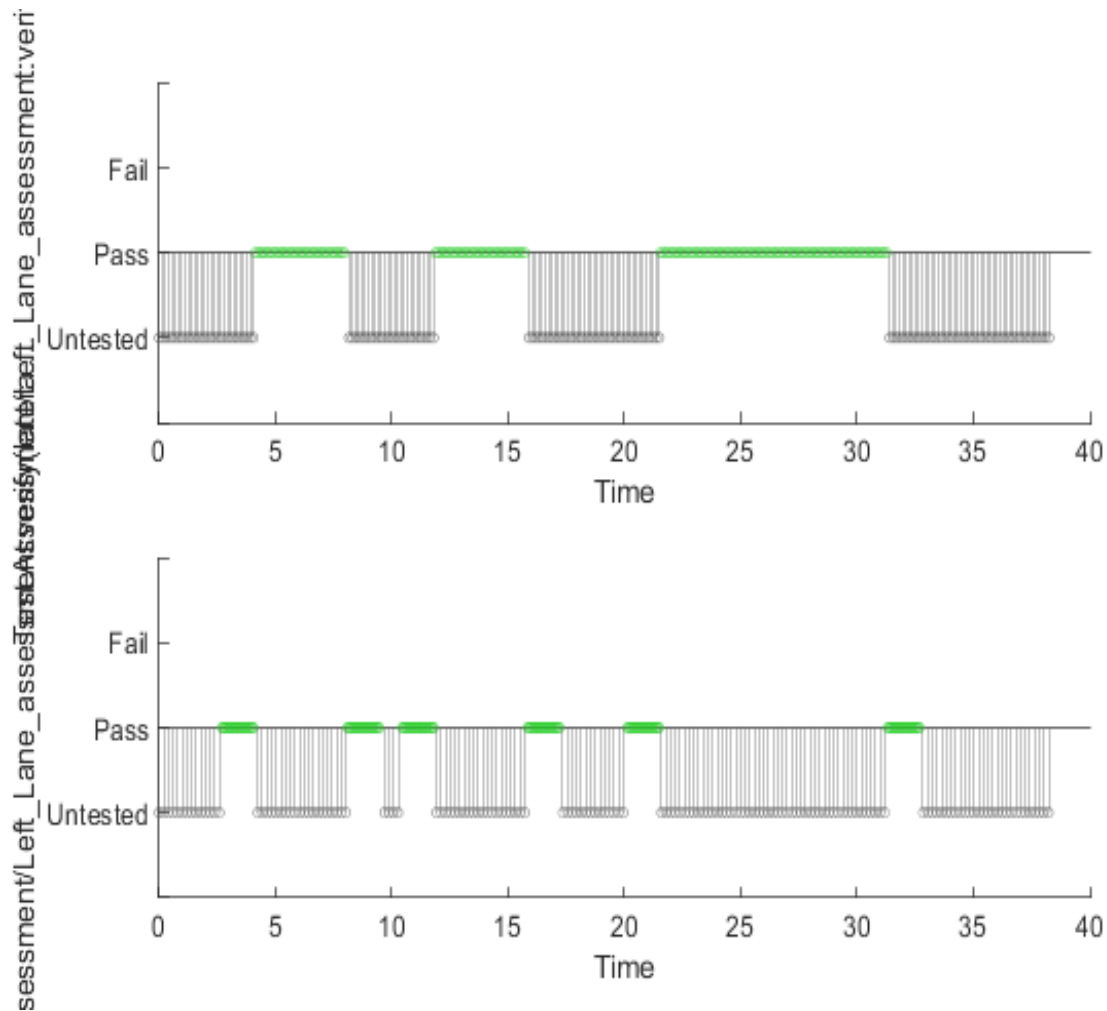
Test Case Information

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

Verify Result

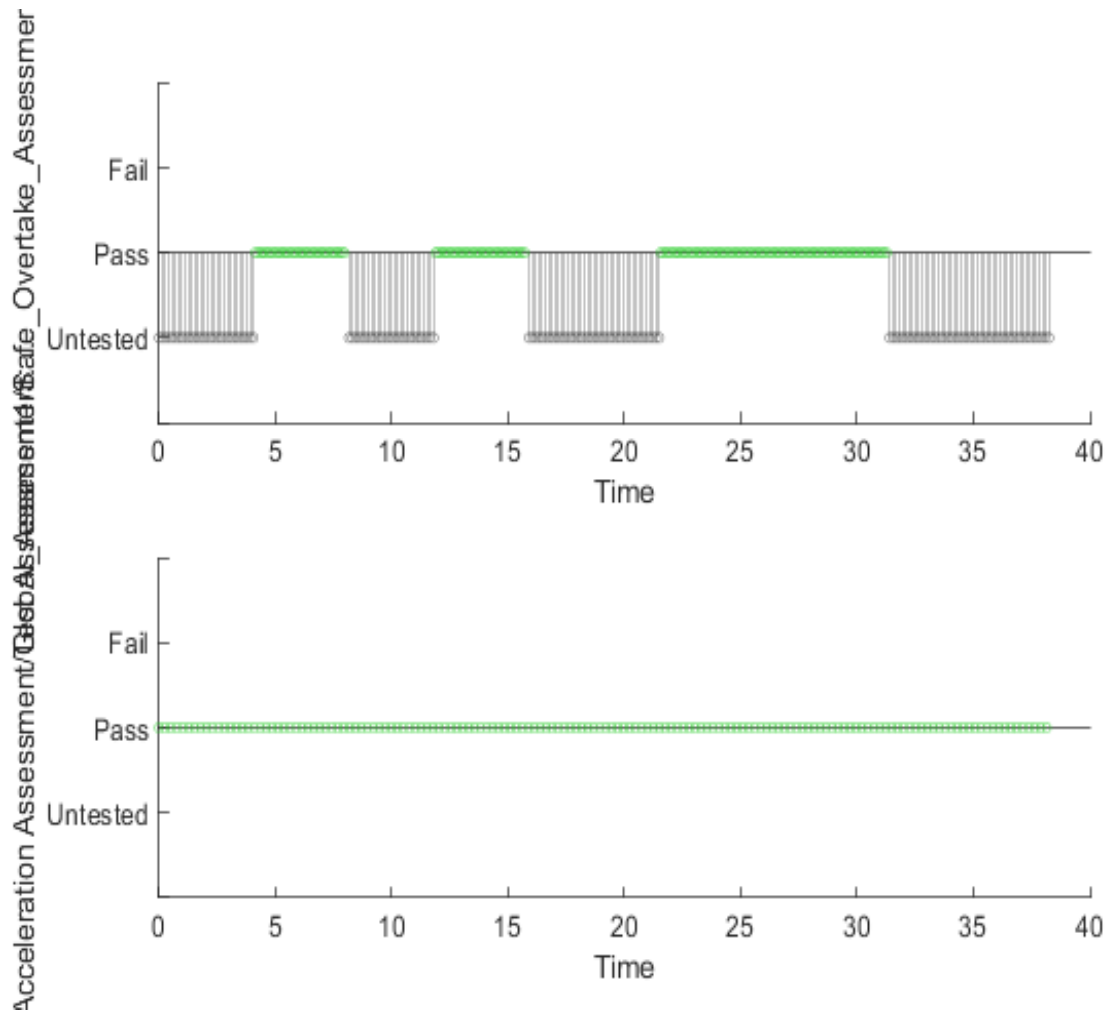
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

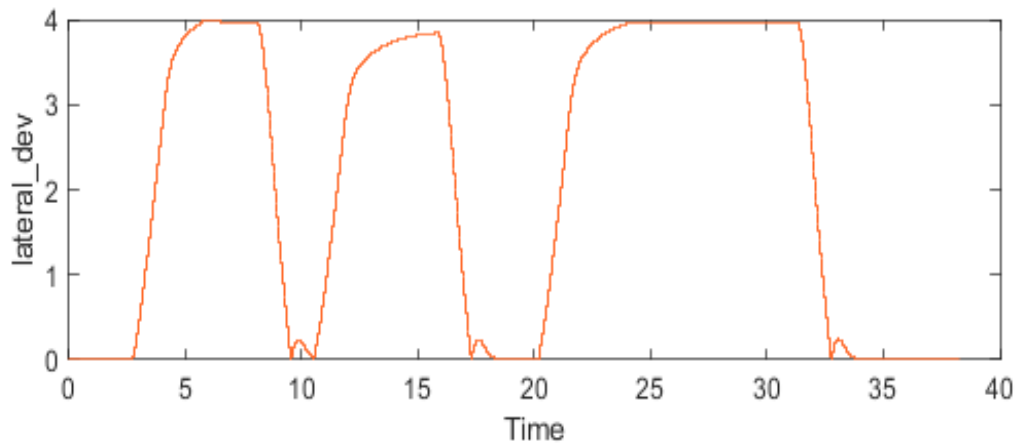
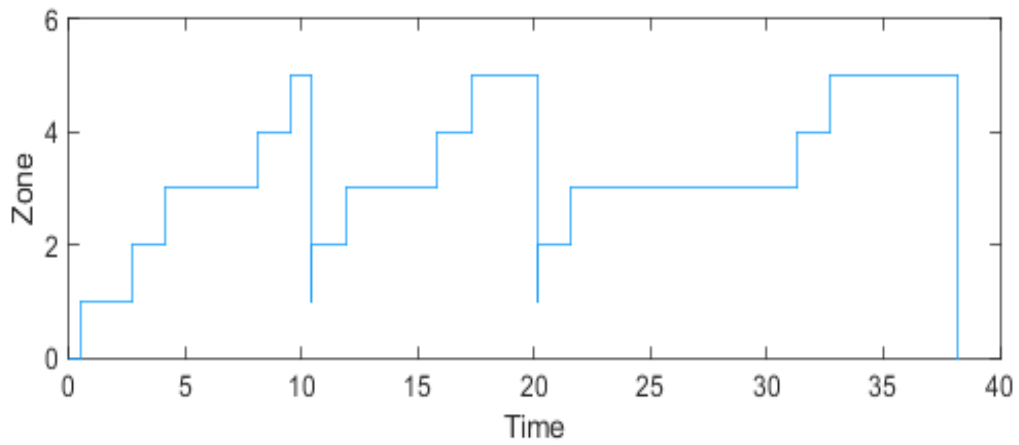
Stop Time:38.310766319665291

Checksum:2650575587 1592012283 1674845460 3778601158

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-45° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)
 Start Time: 20-May-2021 17:48:21

End Time: 20-May-2021 17:48:30
Outcome: Passed

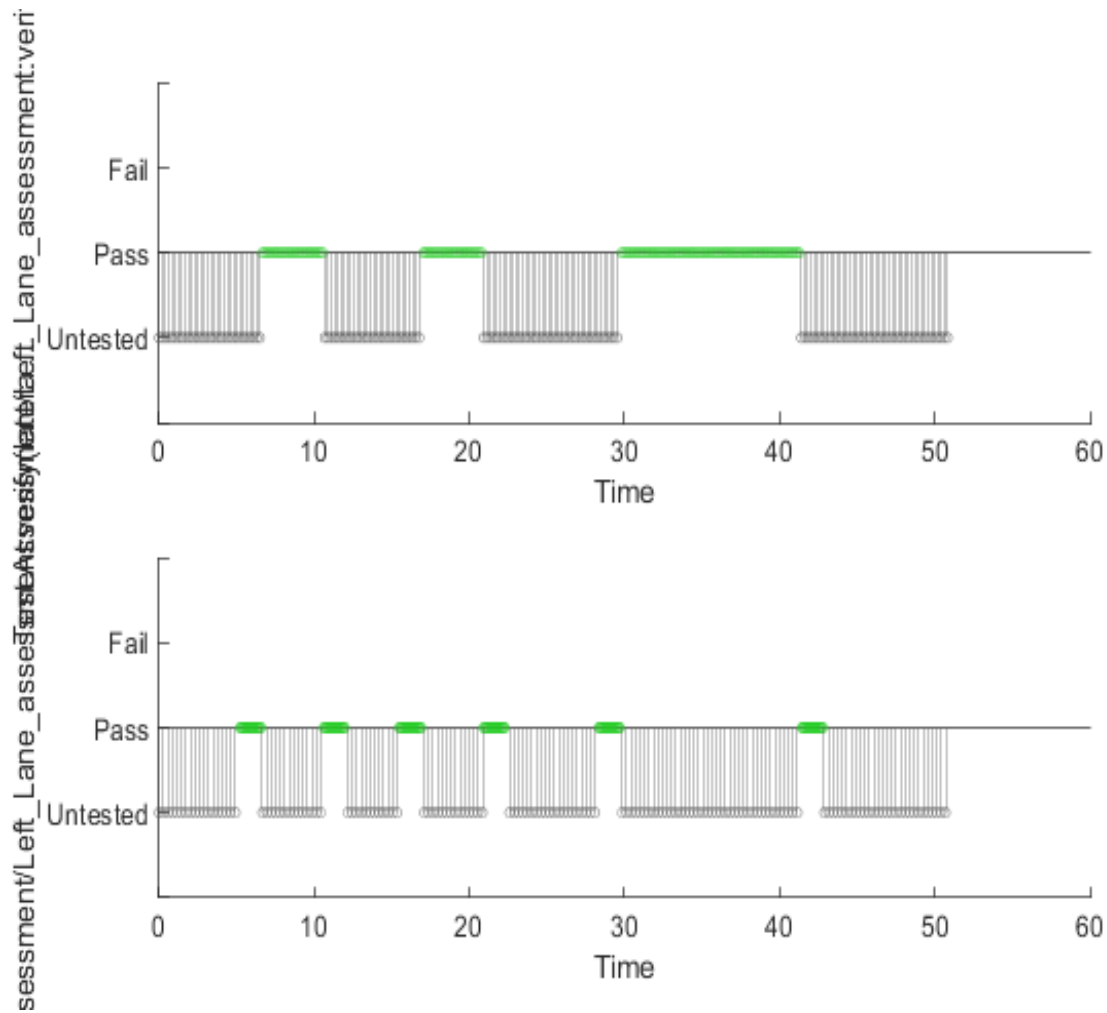
Test Case Information

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

Verify Result

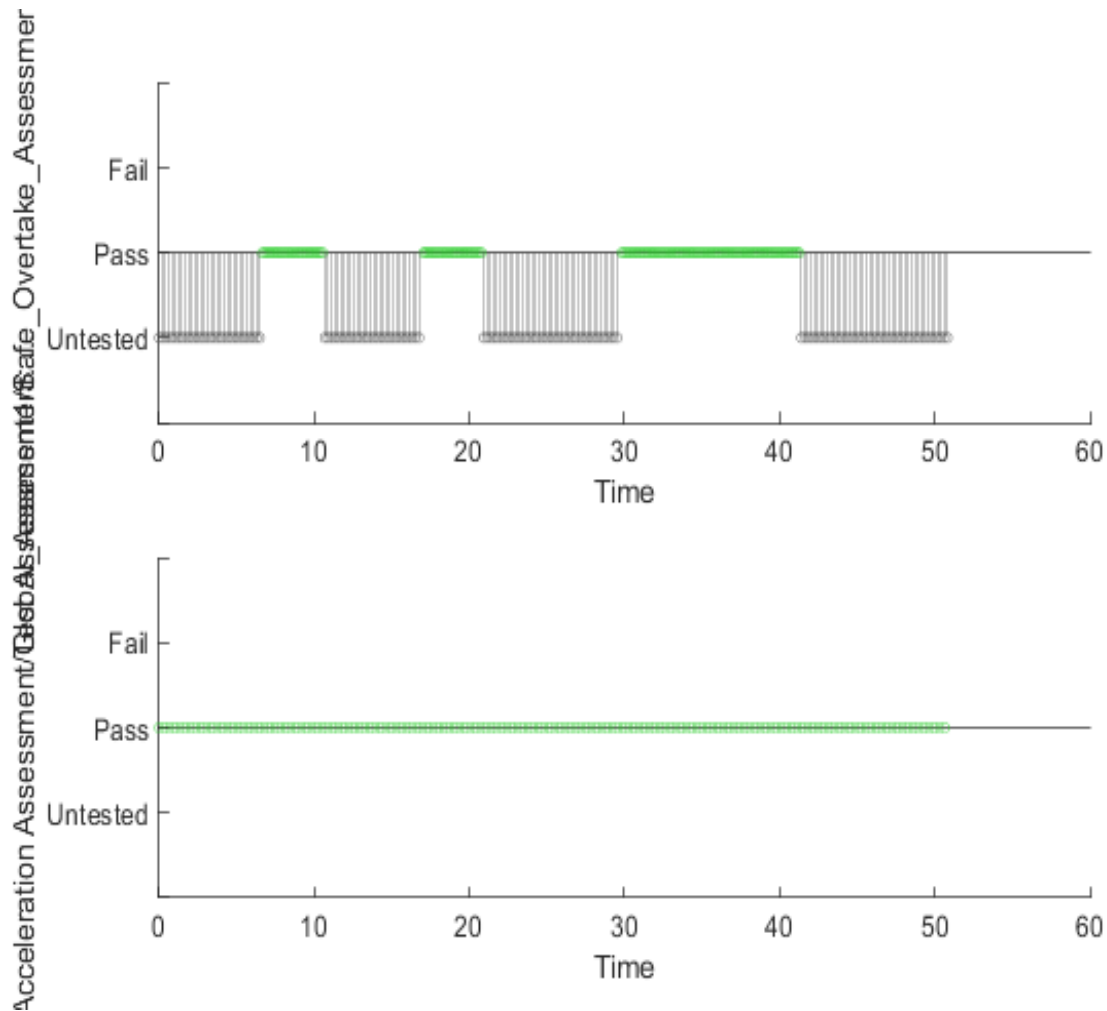
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

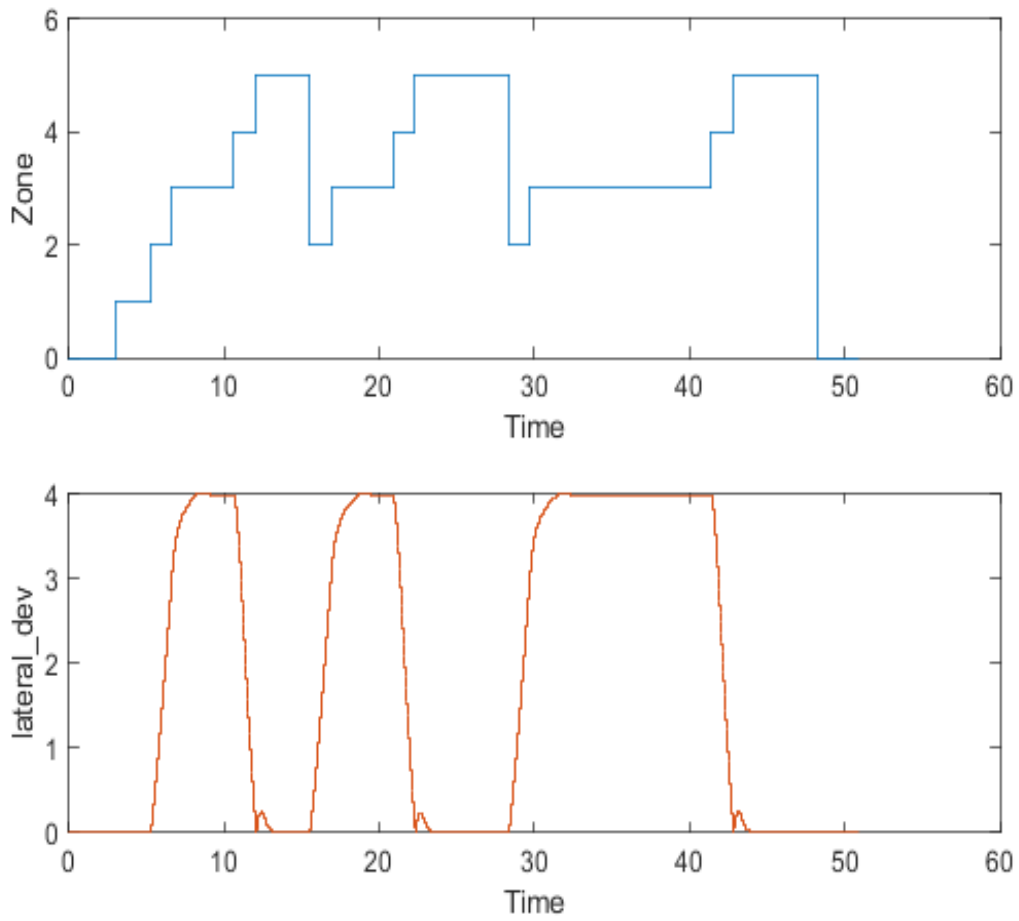
Stop Time:50.911688245431421

Checksum:1080441540 1486974608 2498851331 3846687440

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-70° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:48:30

End Time: 20-May-2021 17:48:46
Outcome: Passed

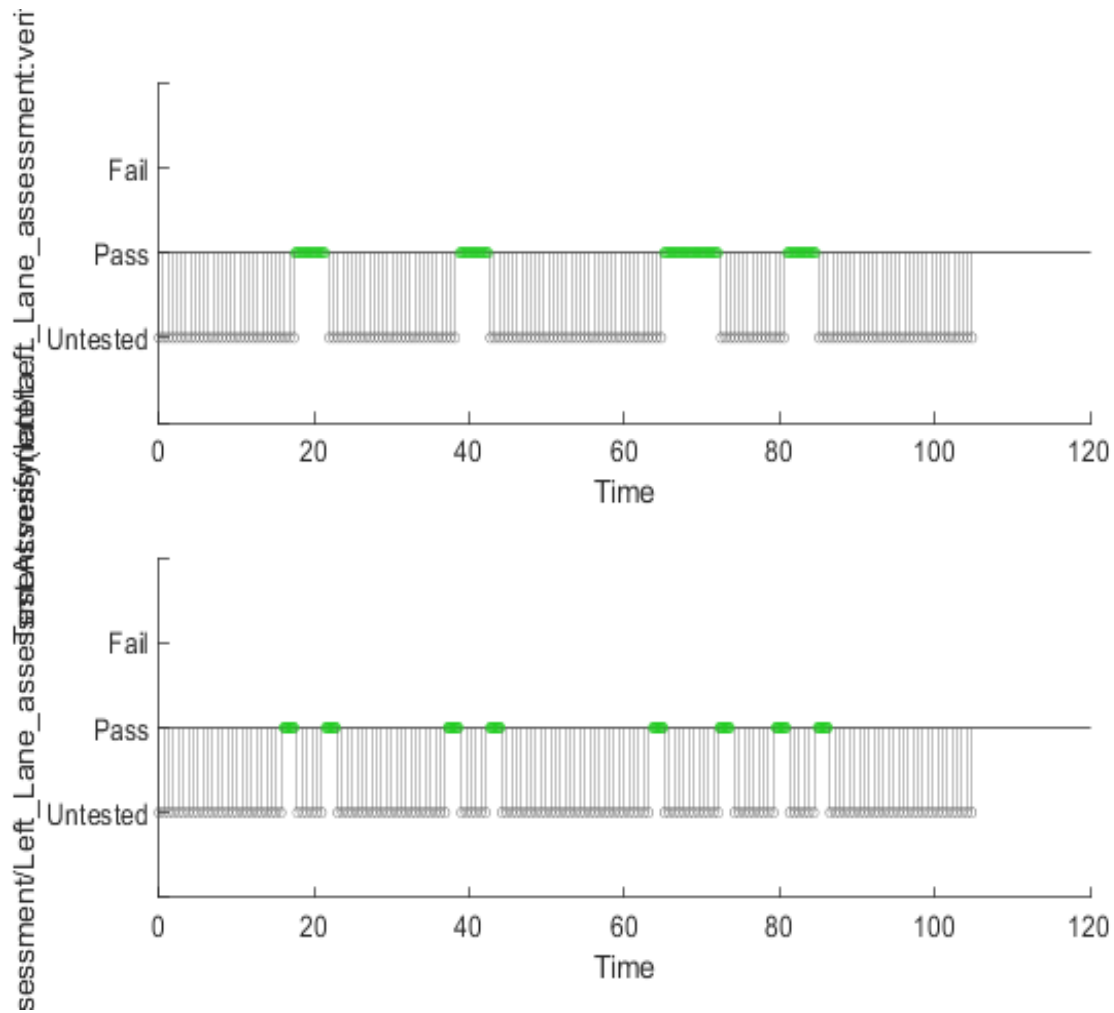
Test Case Information

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

Verify Result

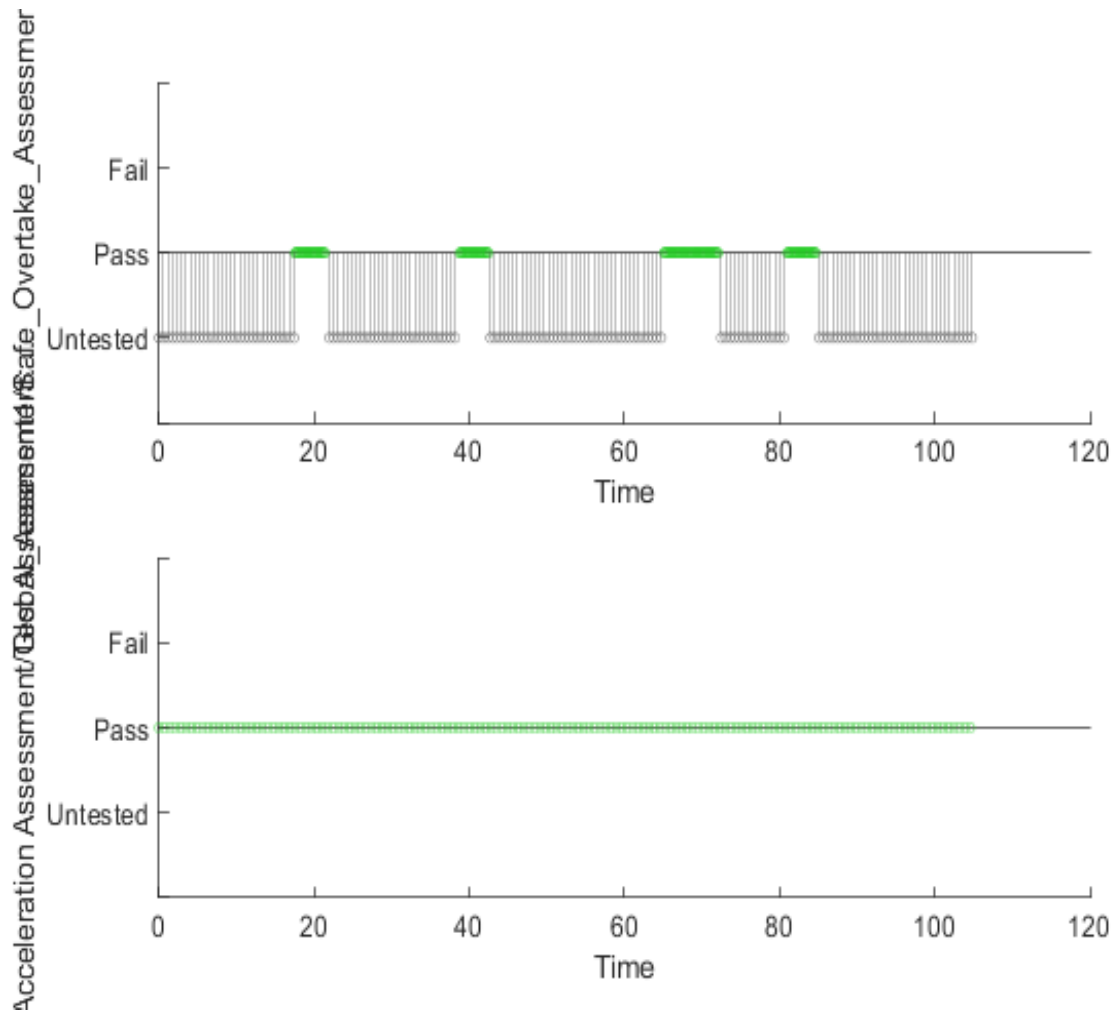
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

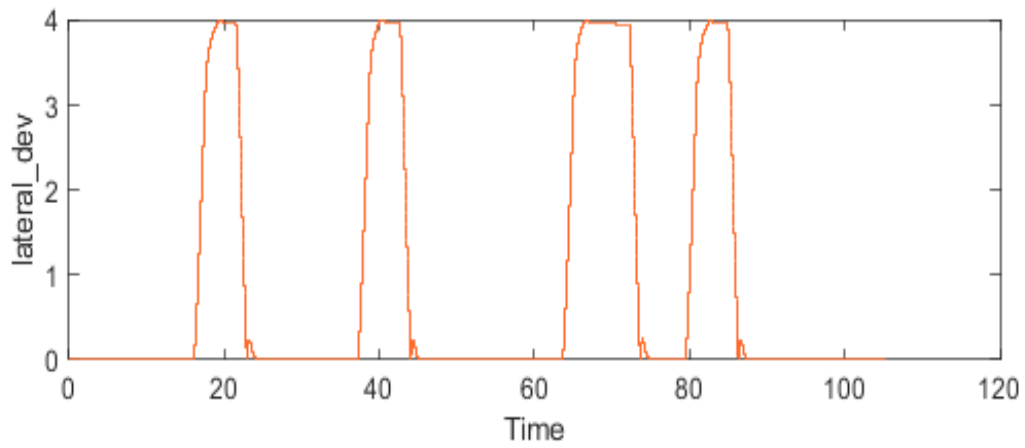
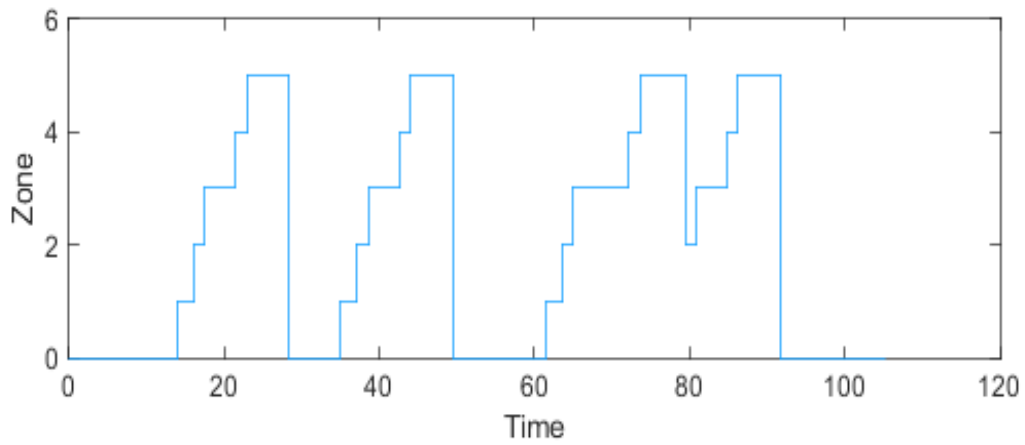
Stop Time:105.24080797865437

Checksum:867695202 2942605765 2357989887 958239529

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-90° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:48:46

End Time: 20-May-2021 17:48:53
Outcome: Passed

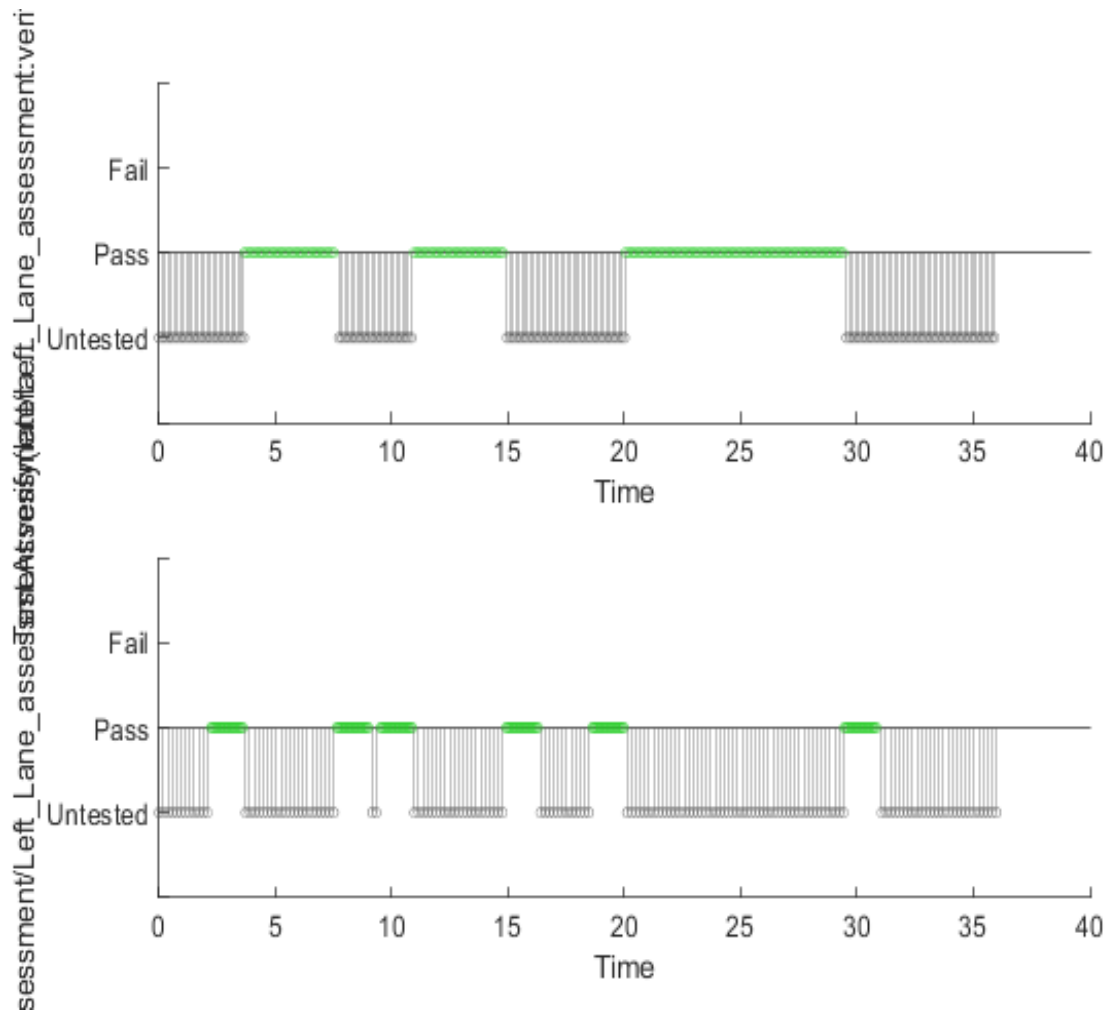
Test Case Information

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

Verify Result

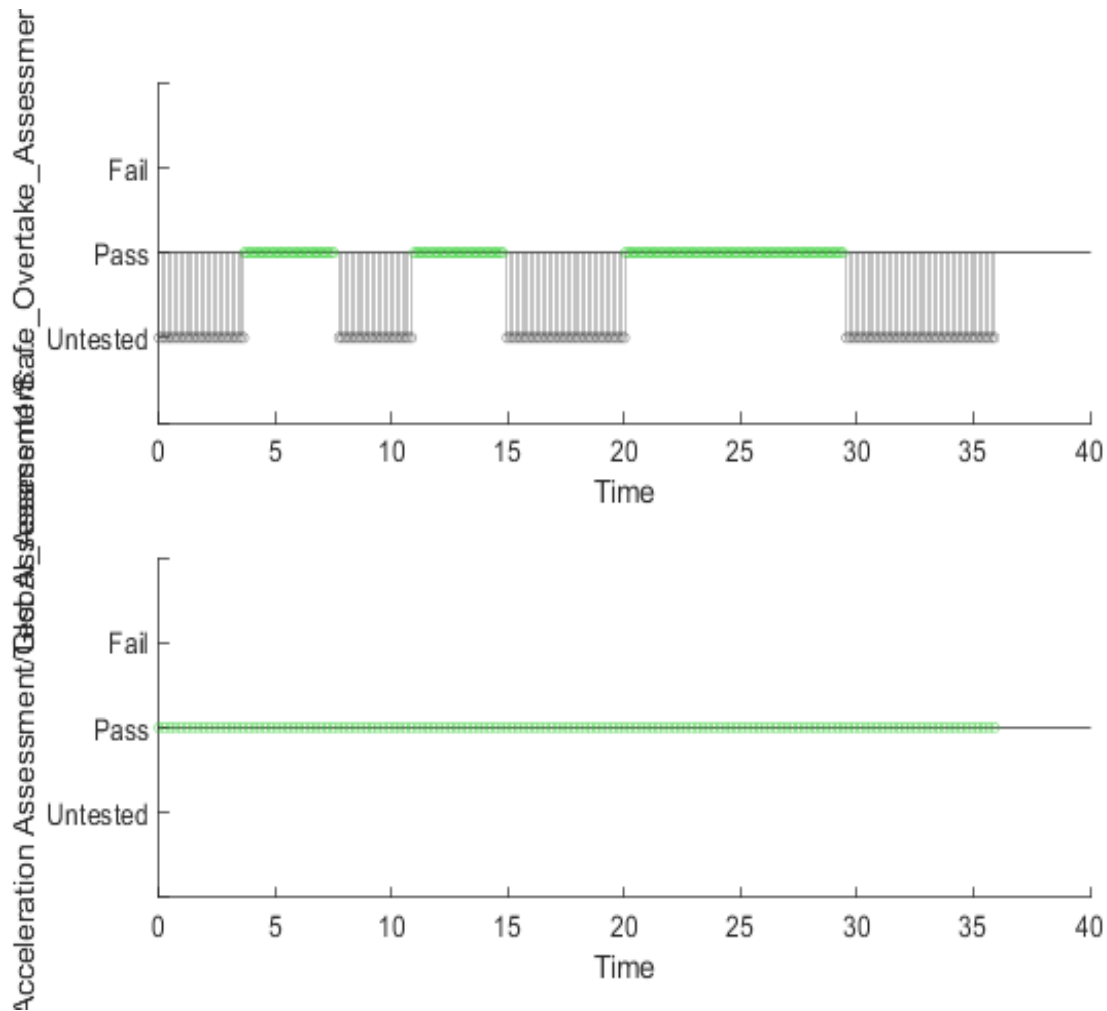
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

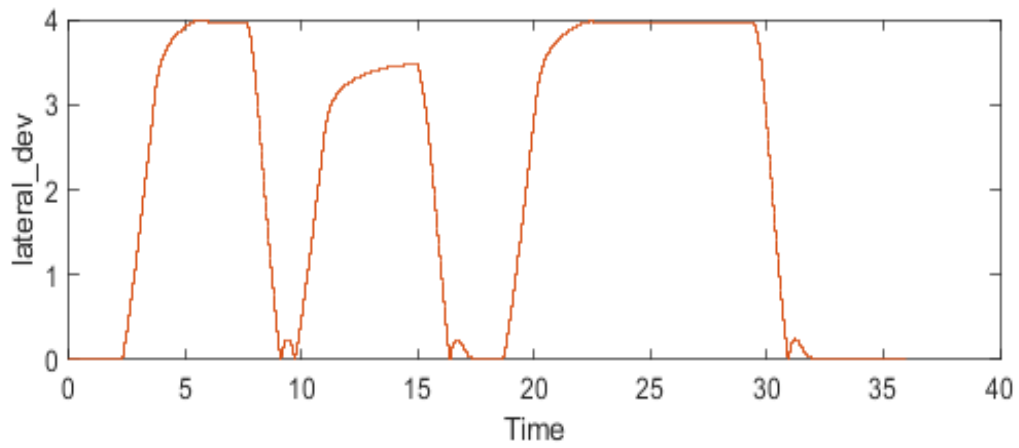
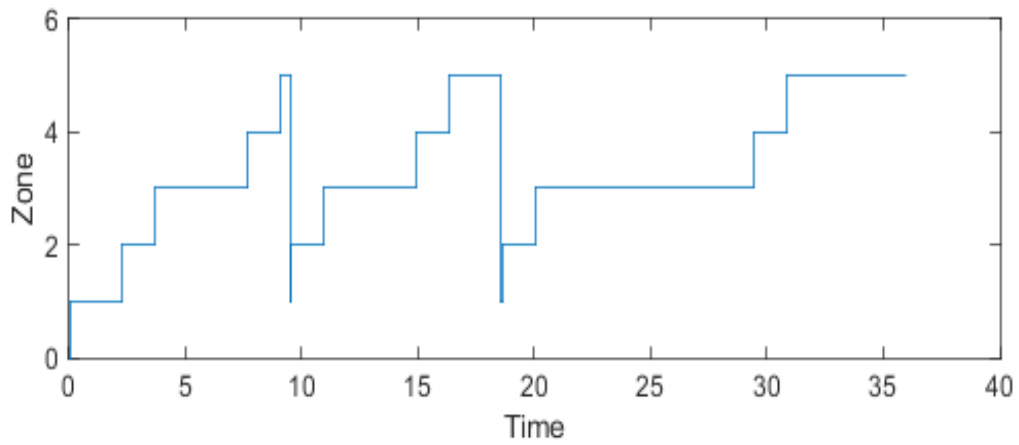
Stop Time:36

Checksum:1707692341 1026534621 4236242924 2648005604

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-110° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:48:53

End Time: 20-May-2021 17:49:00
Outcome: Passed

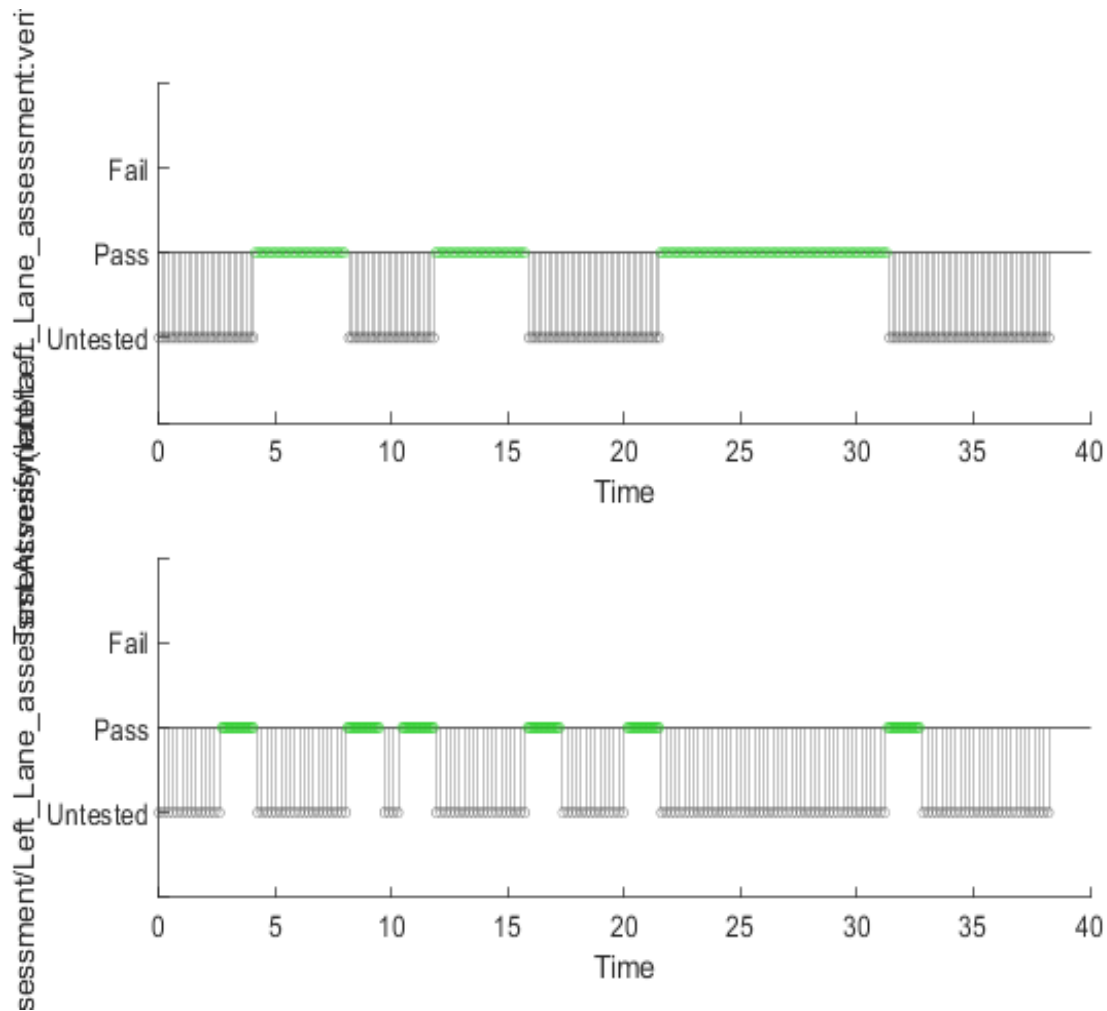
Test Case Information

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

Verify Result

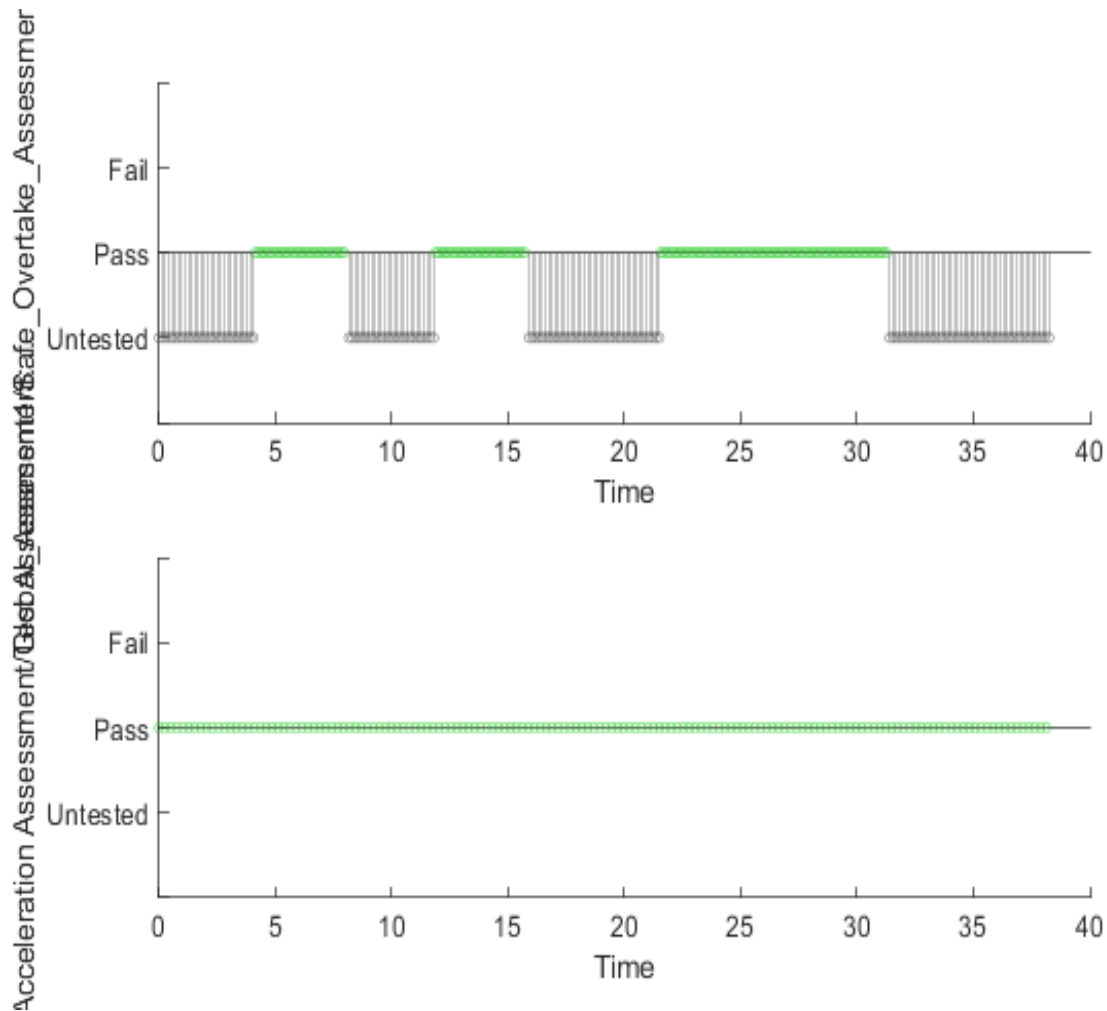
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

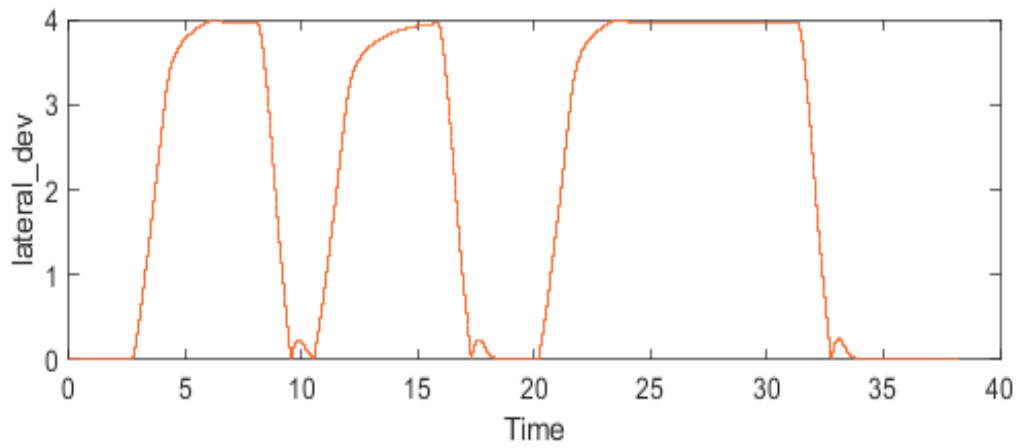
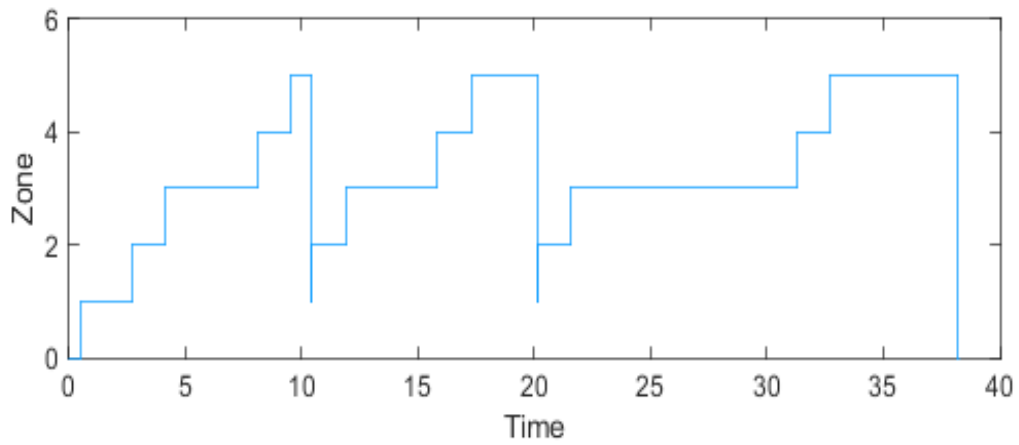
Stop Time:38.310766319665291

Checksum:2650575587 1592012283 1674845460 3778601158

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-135° 100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)
 Start Time: 20-May-2021 17:49:01

End Time: 20-May-2021 17:49:13
Outcome: Passed

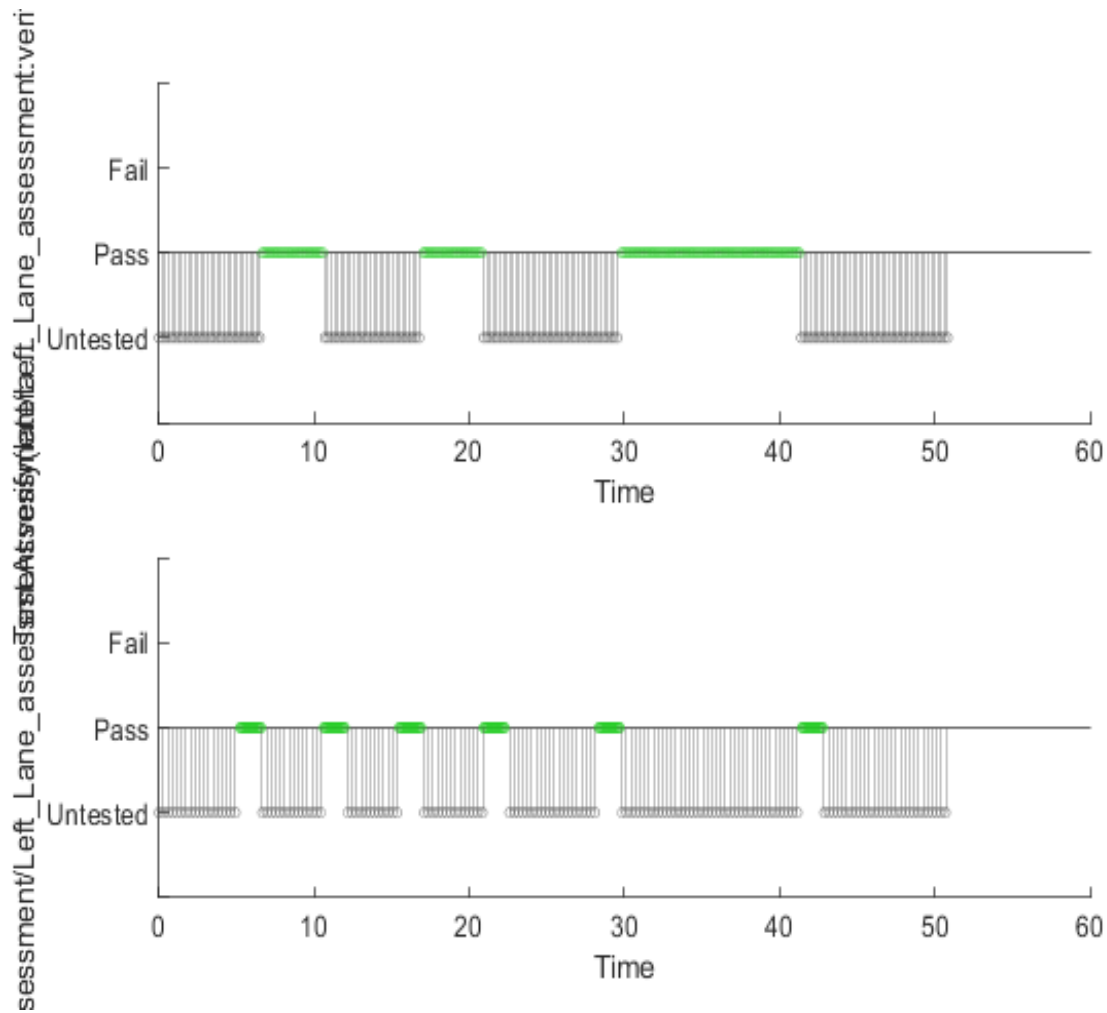
Test Case Information

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

Verify Result

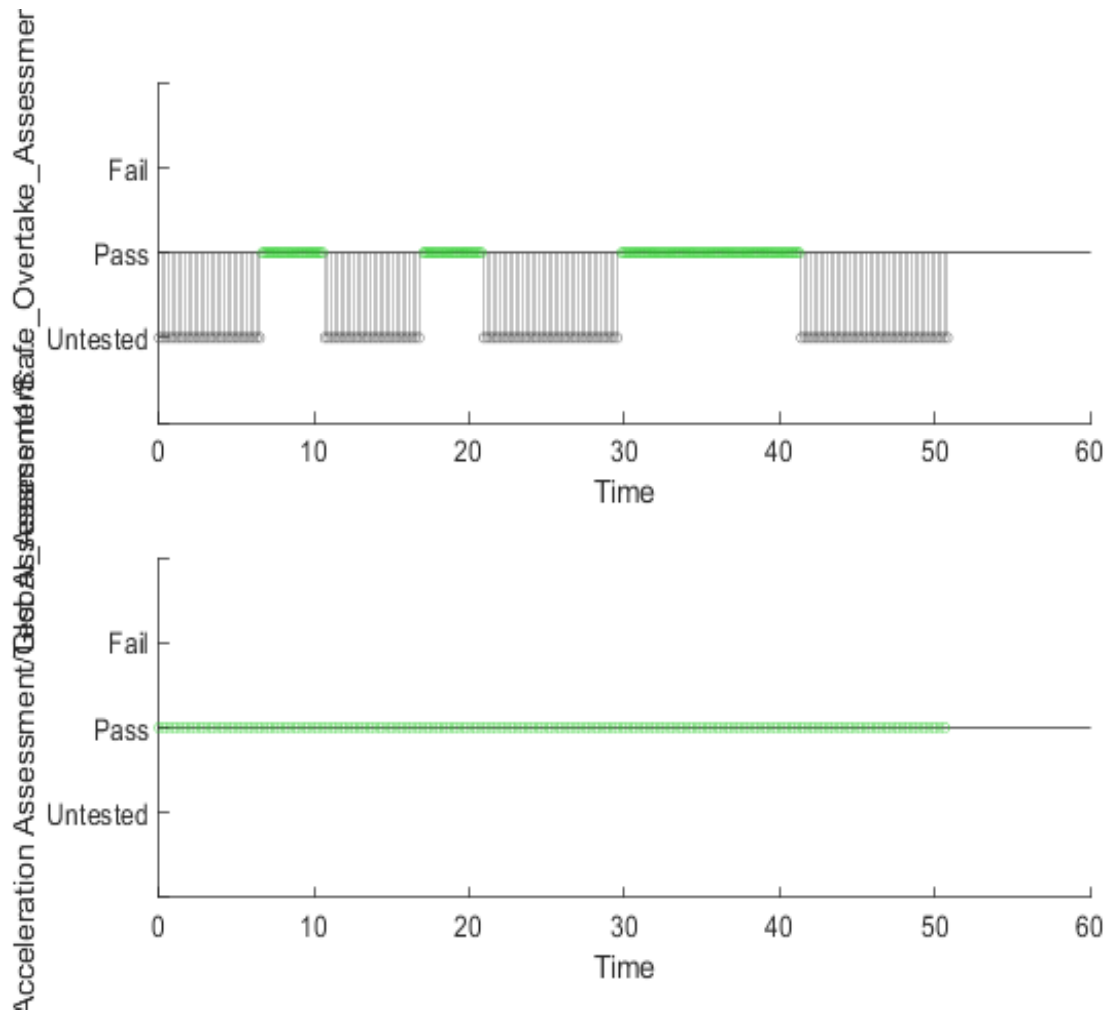
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

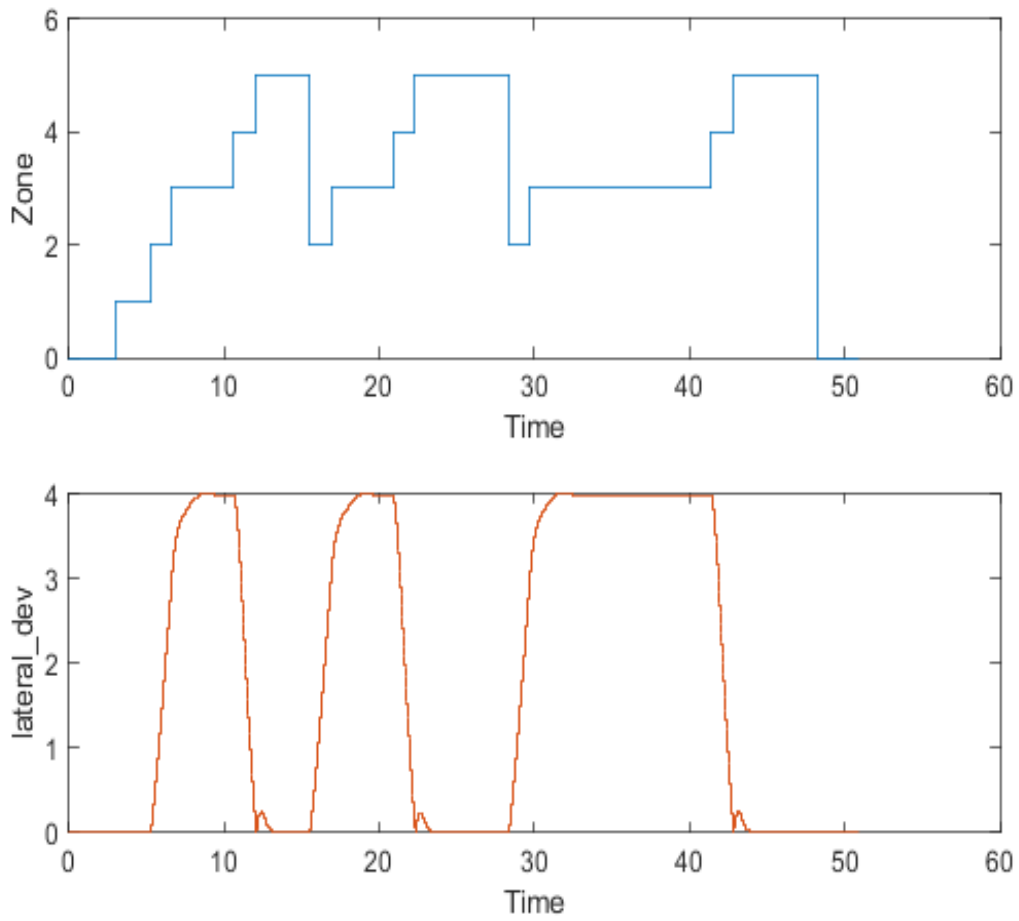
Stop Time:50.911688245431421

Checksum:1080441540 1486974608 2498851331 3846687440

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-160° 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:49:13

End Time: 20-May-2021 17:49:34
Outcome: Passed

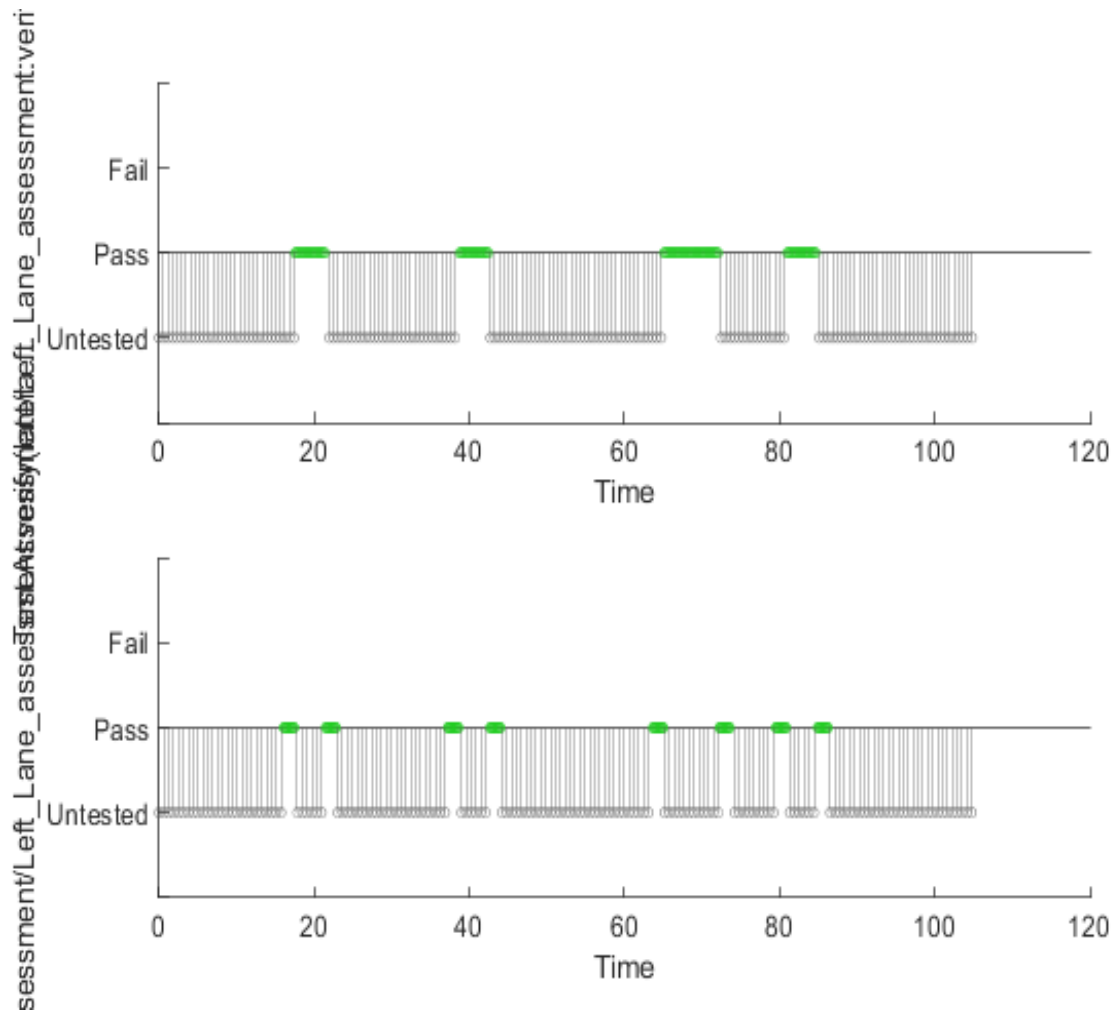
Test Case Information

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

Verify Result

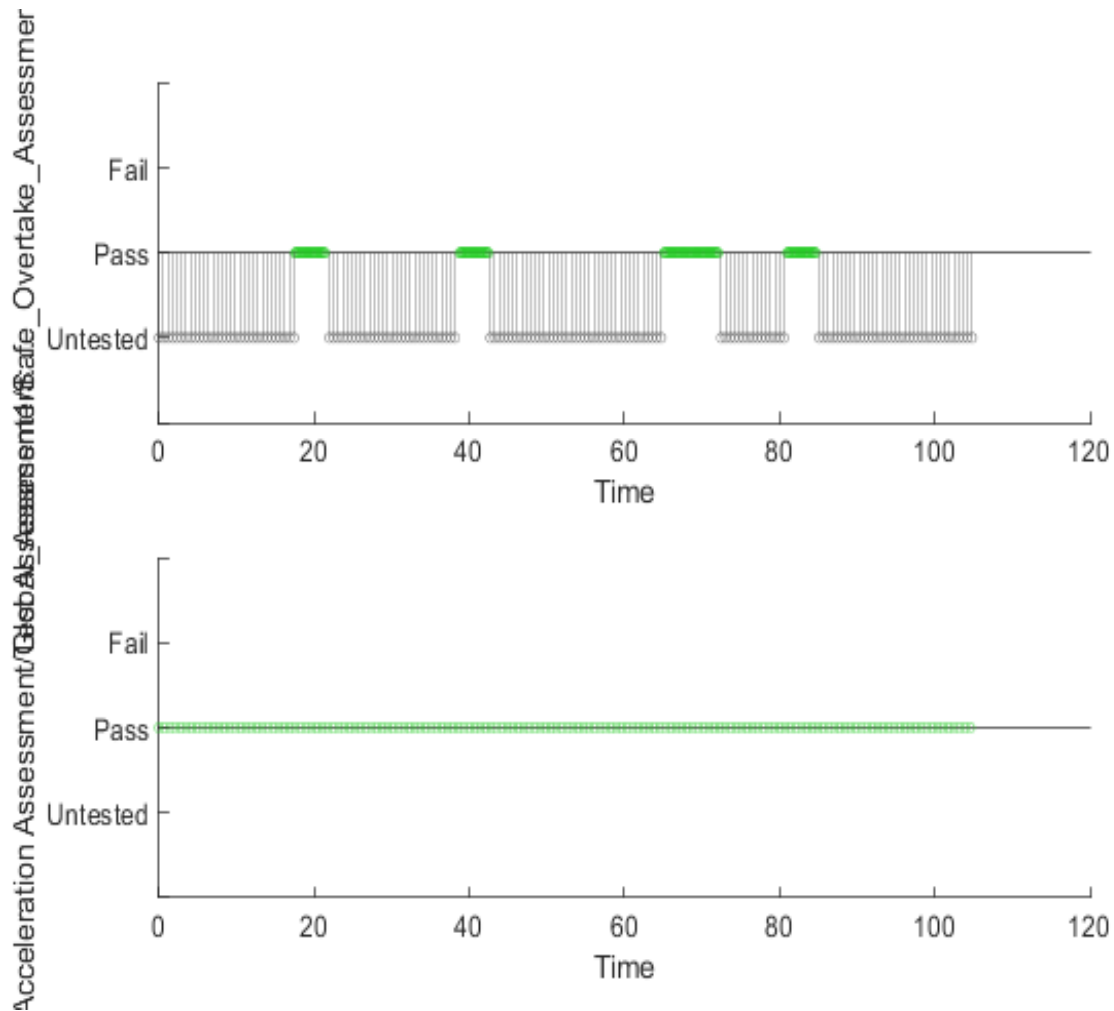
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

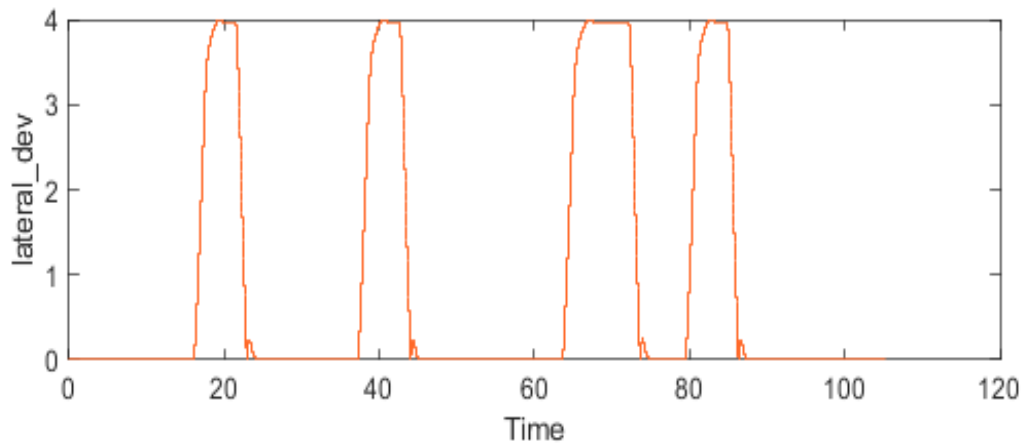
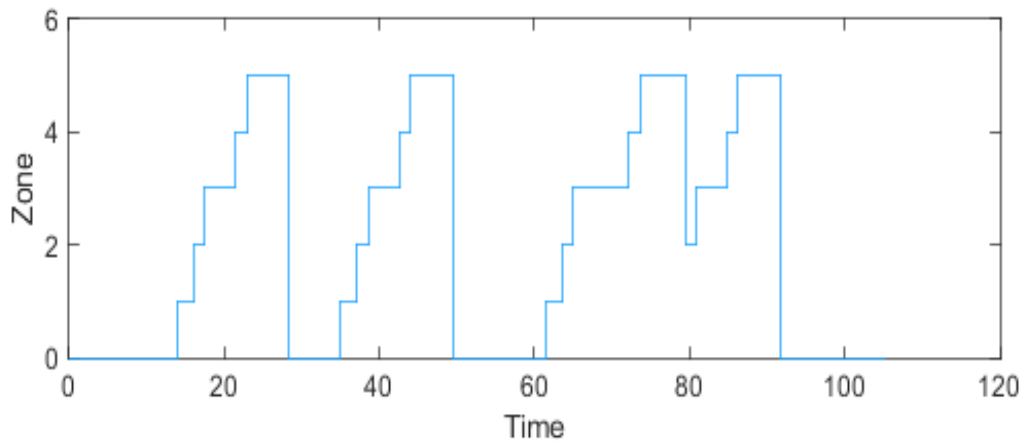
Stop Time:105.24080797865437

Checksum:867695202 2942605765 2357989887 958239529

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



[Back to Report Summary](#)[Back to Signal Summary](#)

1000m curvature clockwise 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:49:34

End Time: 20-May-2021 17:50:02
Outcome: Passed

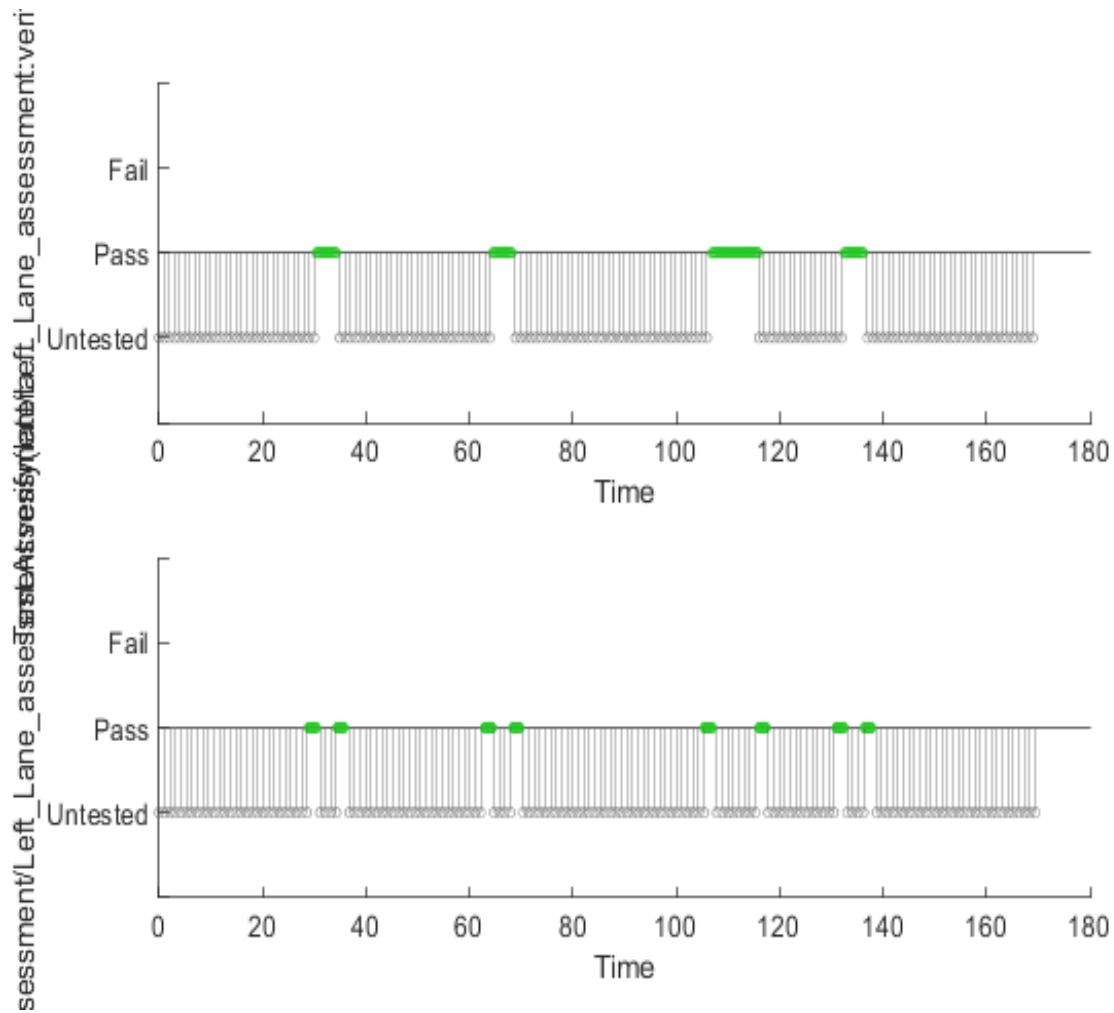
Test Case Information

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

Verify Result

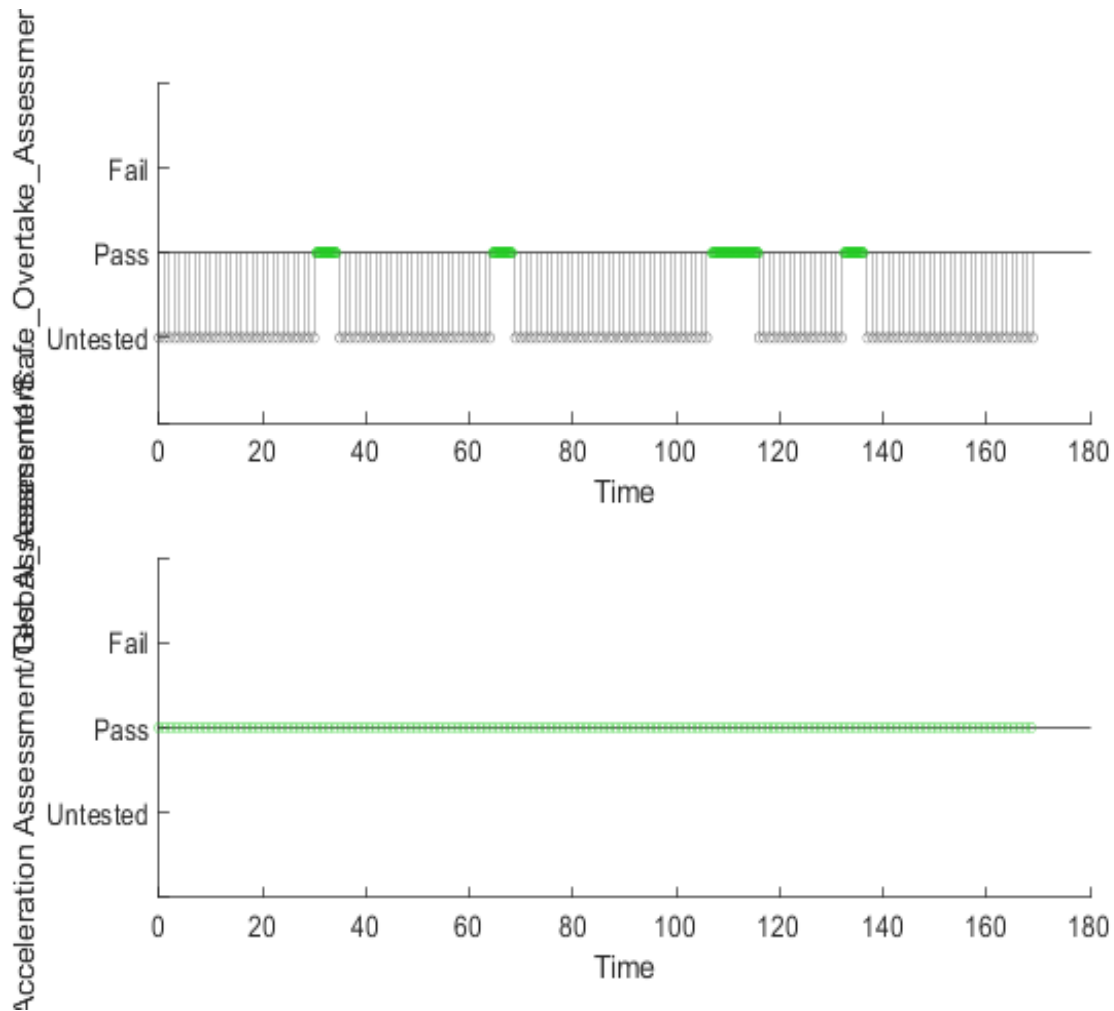
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

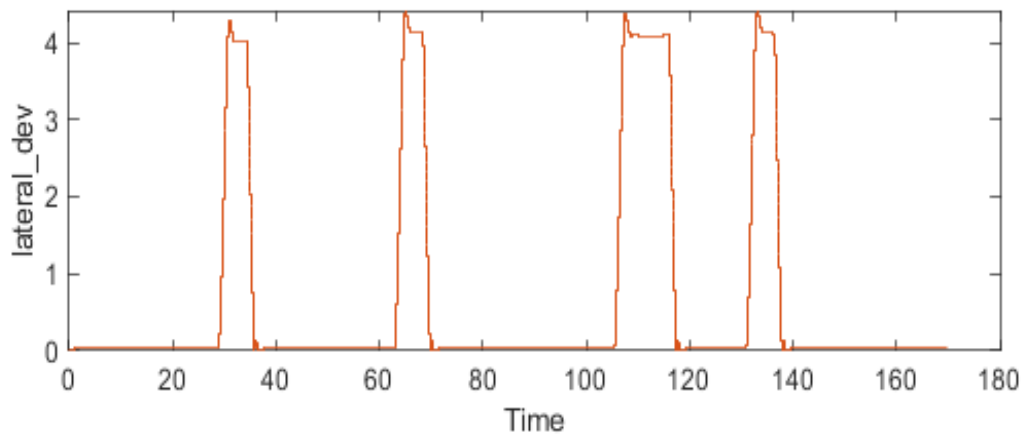
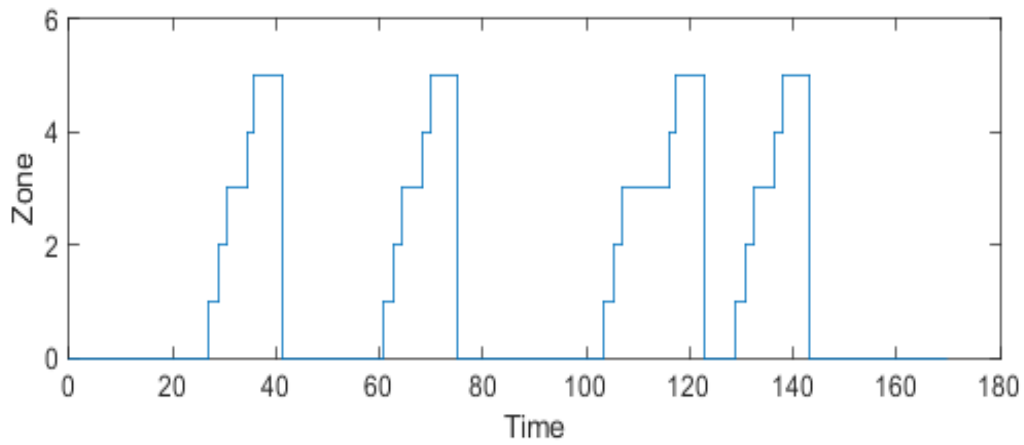
Stop Time:169.650000000000268

Checksum:3830971029 3896124596 396984536 1455394399

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



[Back to Report Summary](#)[Back to Signal Summary](#)

500m curvature clockwise 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:50:02

End Time: 20-May-2021 17:50:16
Outcome: Passed

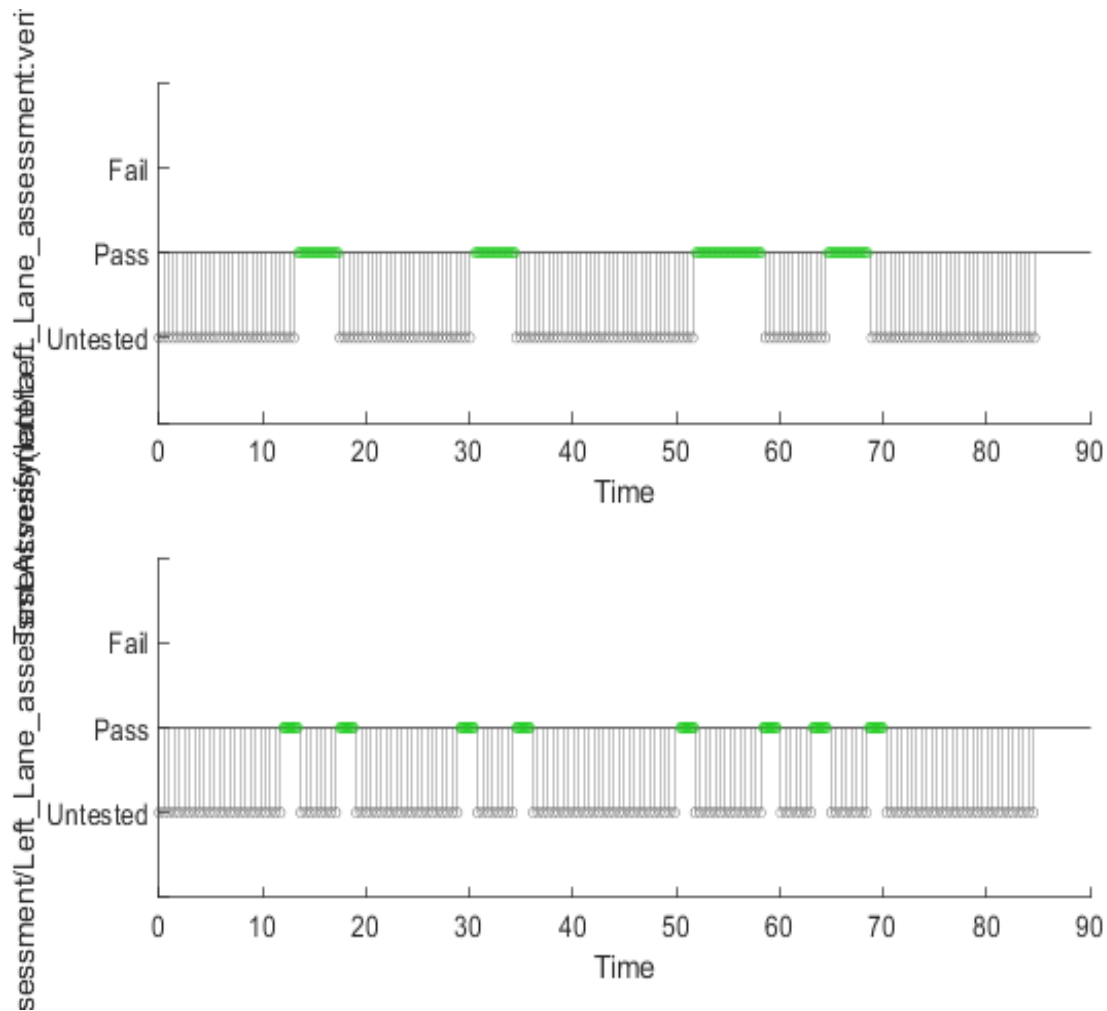
Test Case Information

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

Verify Result

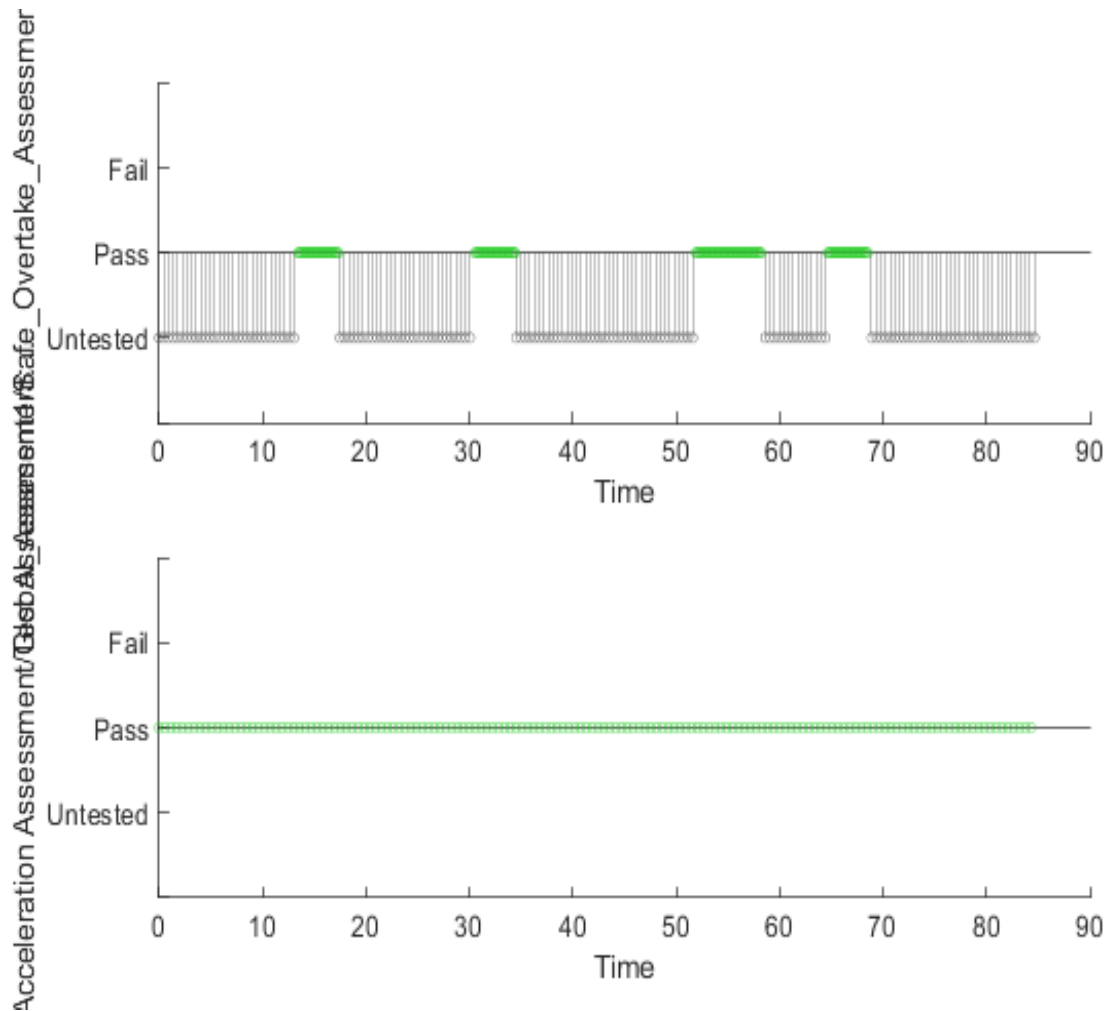
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

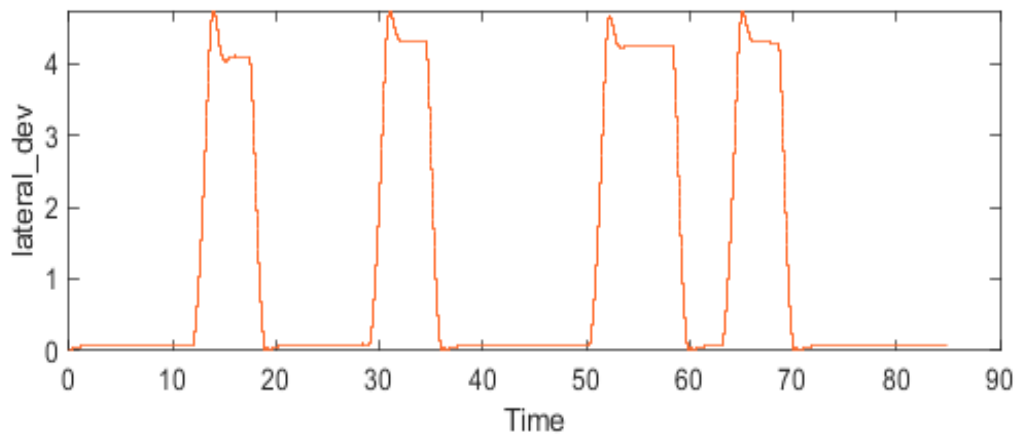
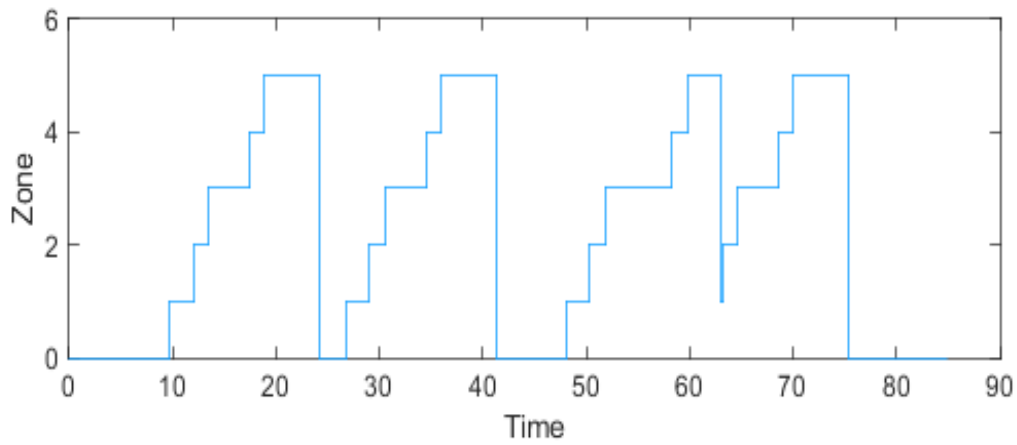
Stop Time:84.829999999999686

Checksum:4079730766 3750956007 1392781618 494694476

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



[Back to Report Summary](#)[Back to Signal Summary](#)

300m curvature clockwise 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)
Start Time: 20-May-2021 17:50:16

End Time: 20-May-2021 17:50:25
Outcome: Passed

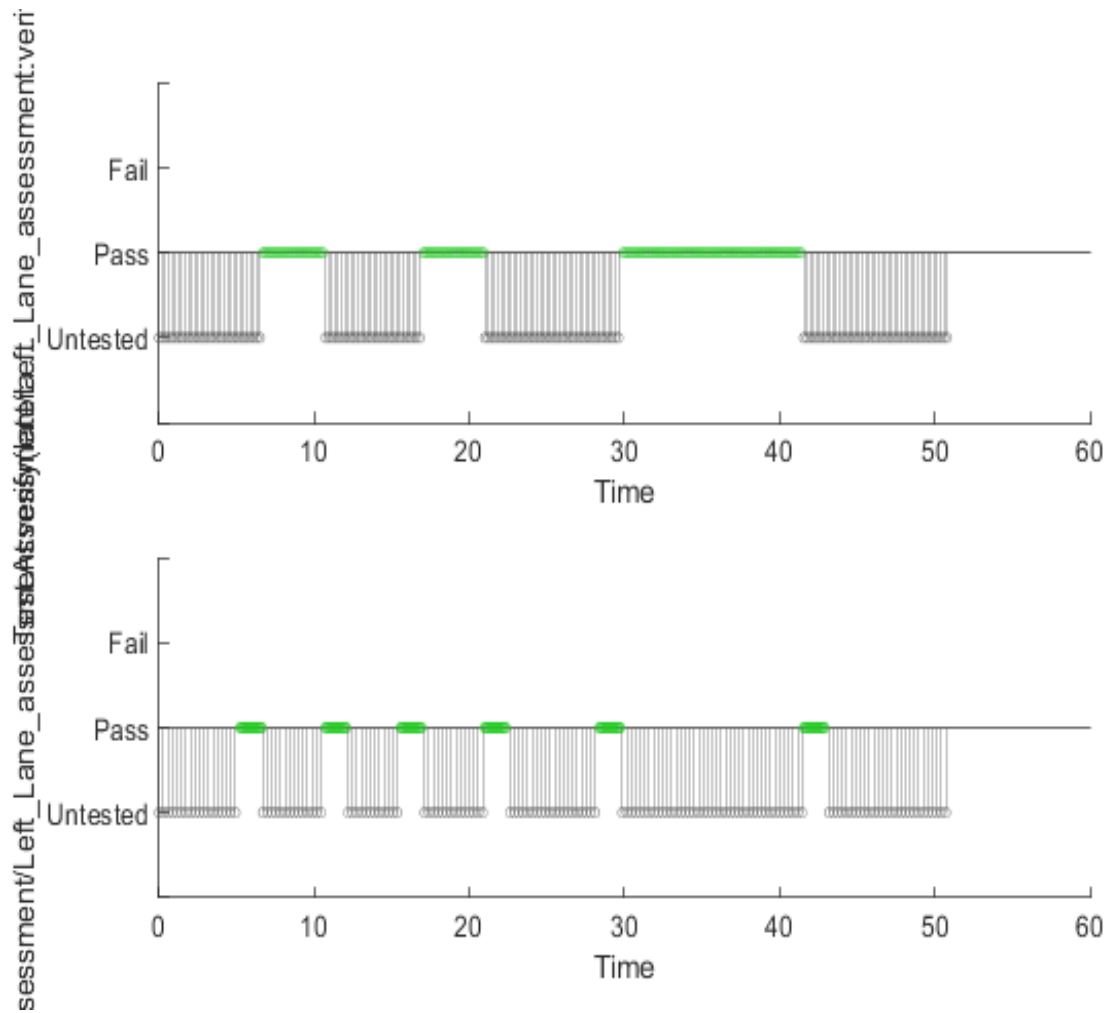
Test Case Information

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

Verify Result

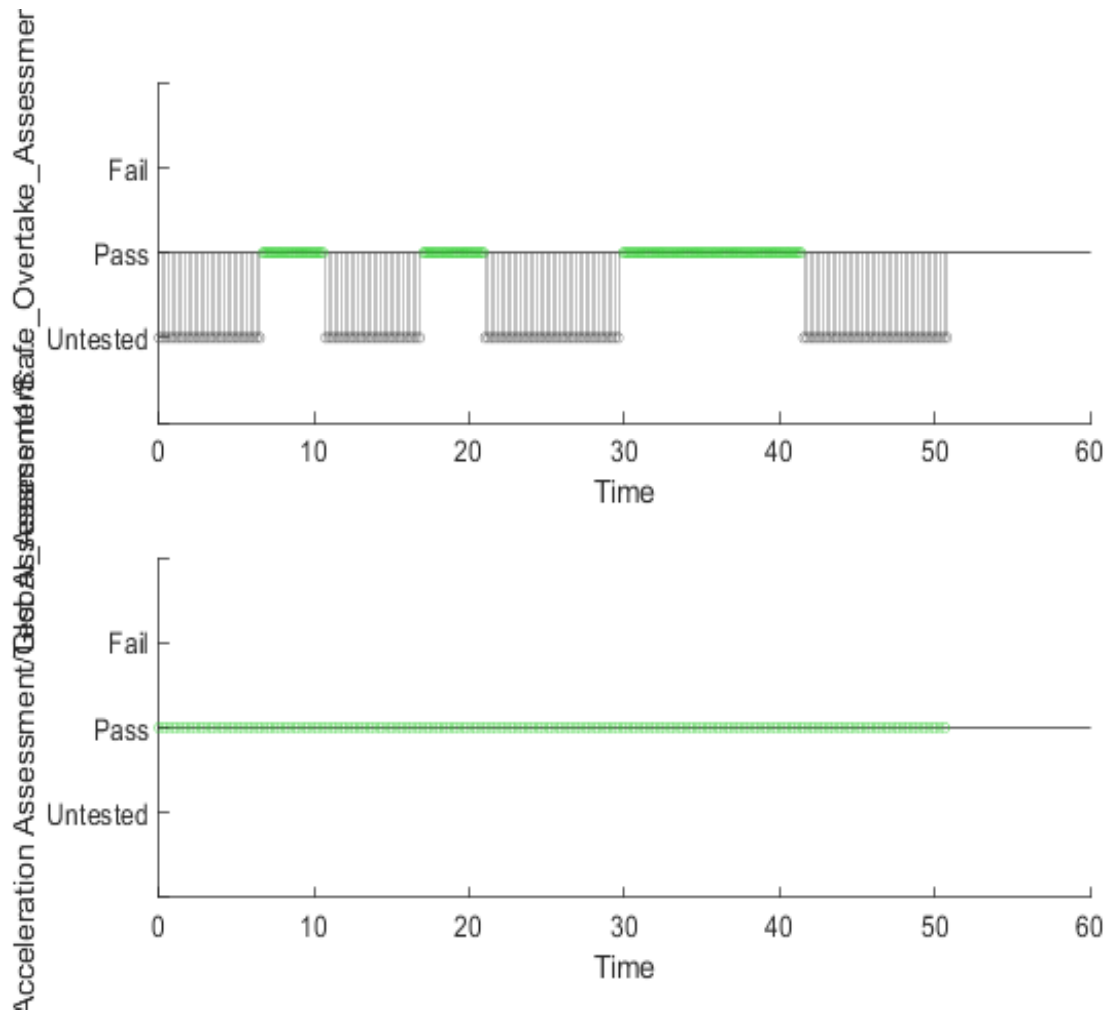
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

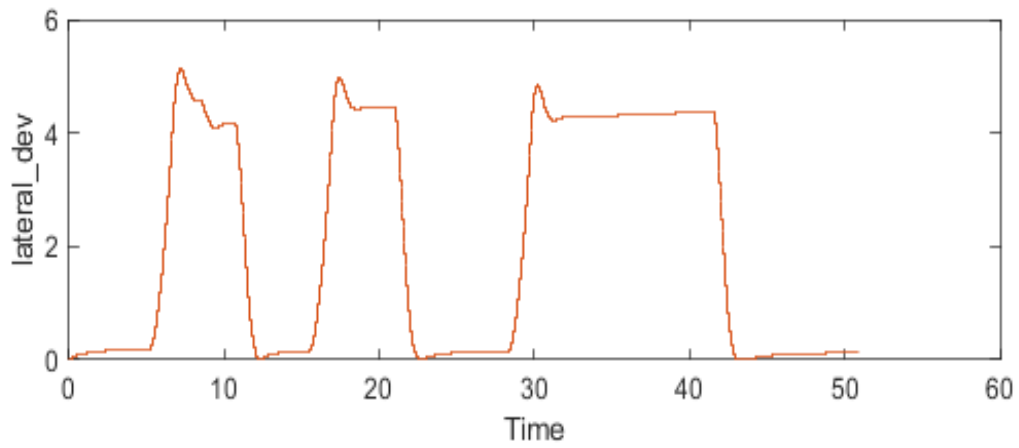
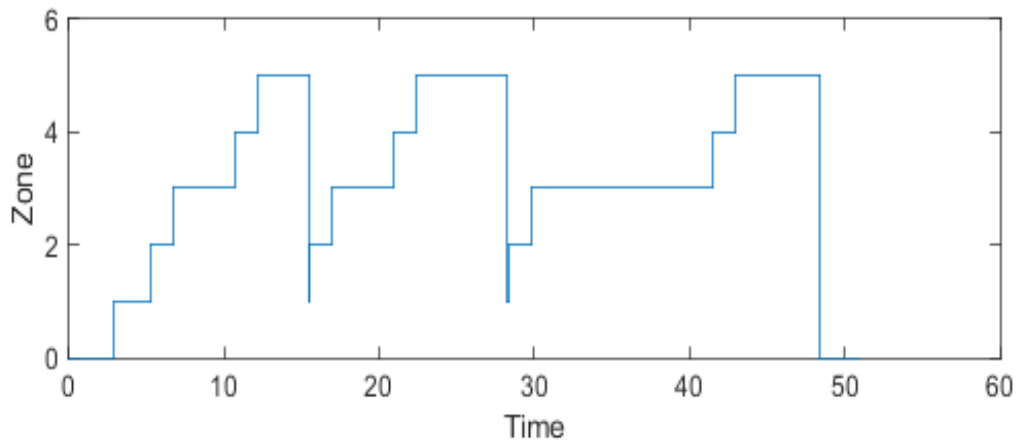
Stop Time:50.899999999999942

Checksum:1410921423 2036863126 2619980815 965758970

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



[Back to Report Summary](#)[Back to Signal Summary](#)

300m curvature counterclockwise 100km/h

Test Result Information

Result Type: Test Case Result





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



Start Time: 20-May-2021 17:50:25
End Time: 20-May-2021 17:50:35
Outcome: **Failed**
Cause of Failure: **Failed criteria: Verification**

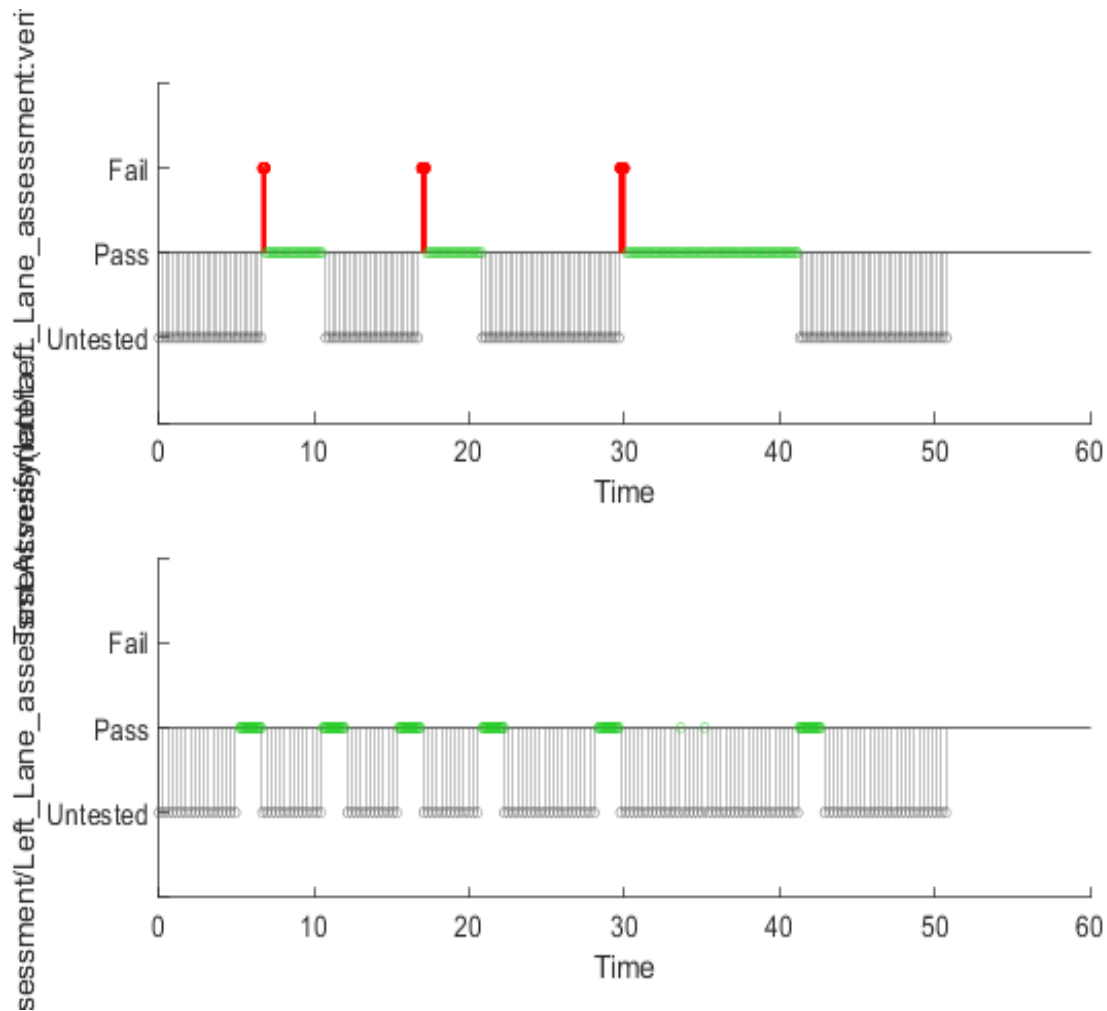
Test Case Information

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

Verify Result

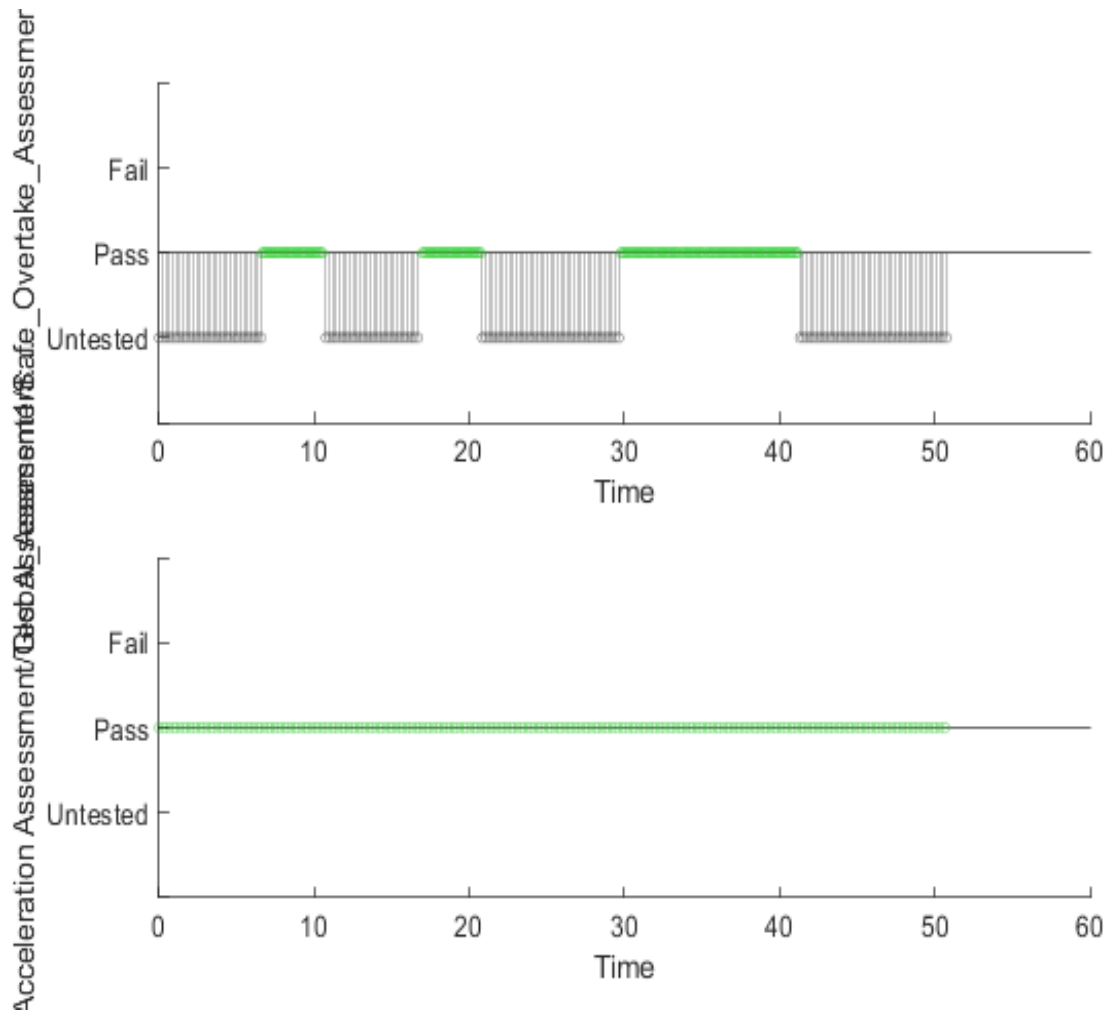
Name	Link to Plot
 Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
 Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
 Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
 Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

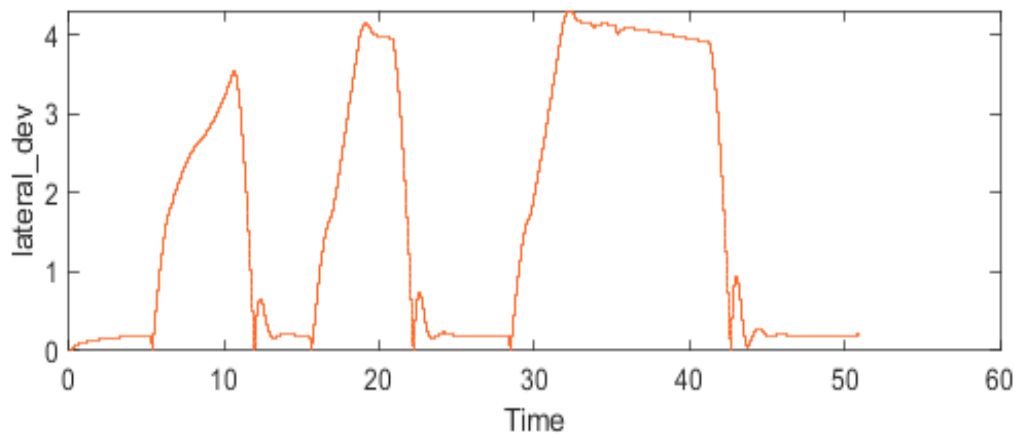
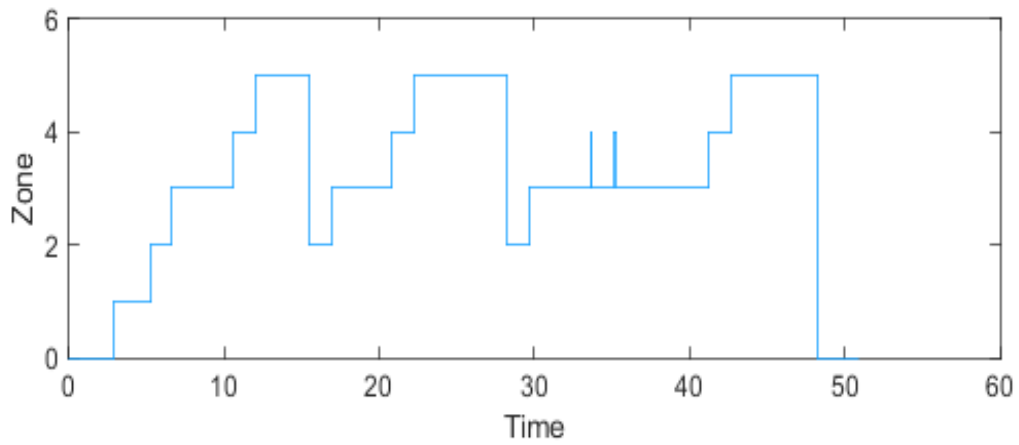
Stop Time:50.899999999999942

Checksum:1410921423 2036863126 2619980815 965758970

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



[Back to Report Summary](#)[Back to Signal Summary](#)

500m curvature counterclockwise 100km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 100km/h](#)

Start Time: 20-May-2021 17:50:35
End Time: 20-May-2021 17:50:48
Outcome: **Passed**

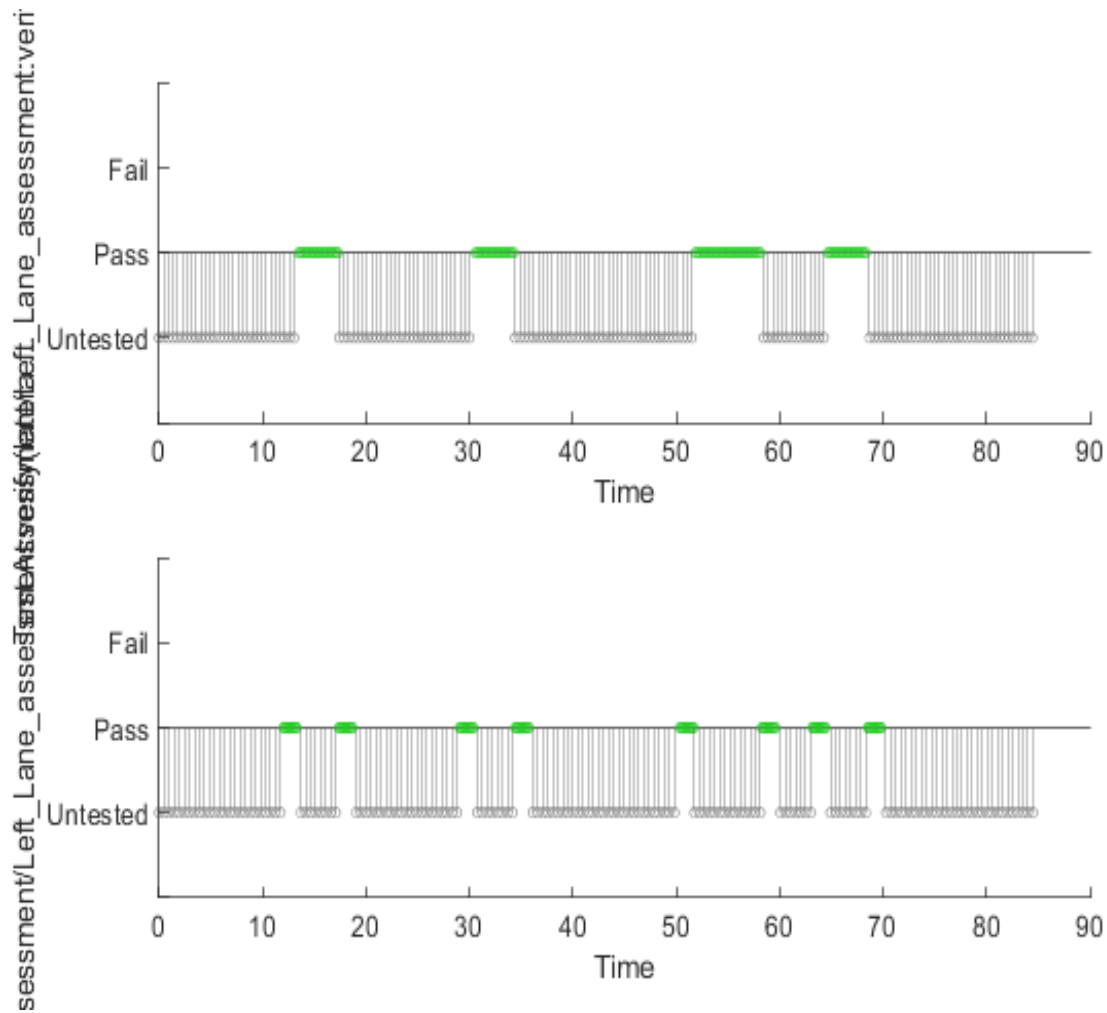
Test Case Information

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

Verify Result

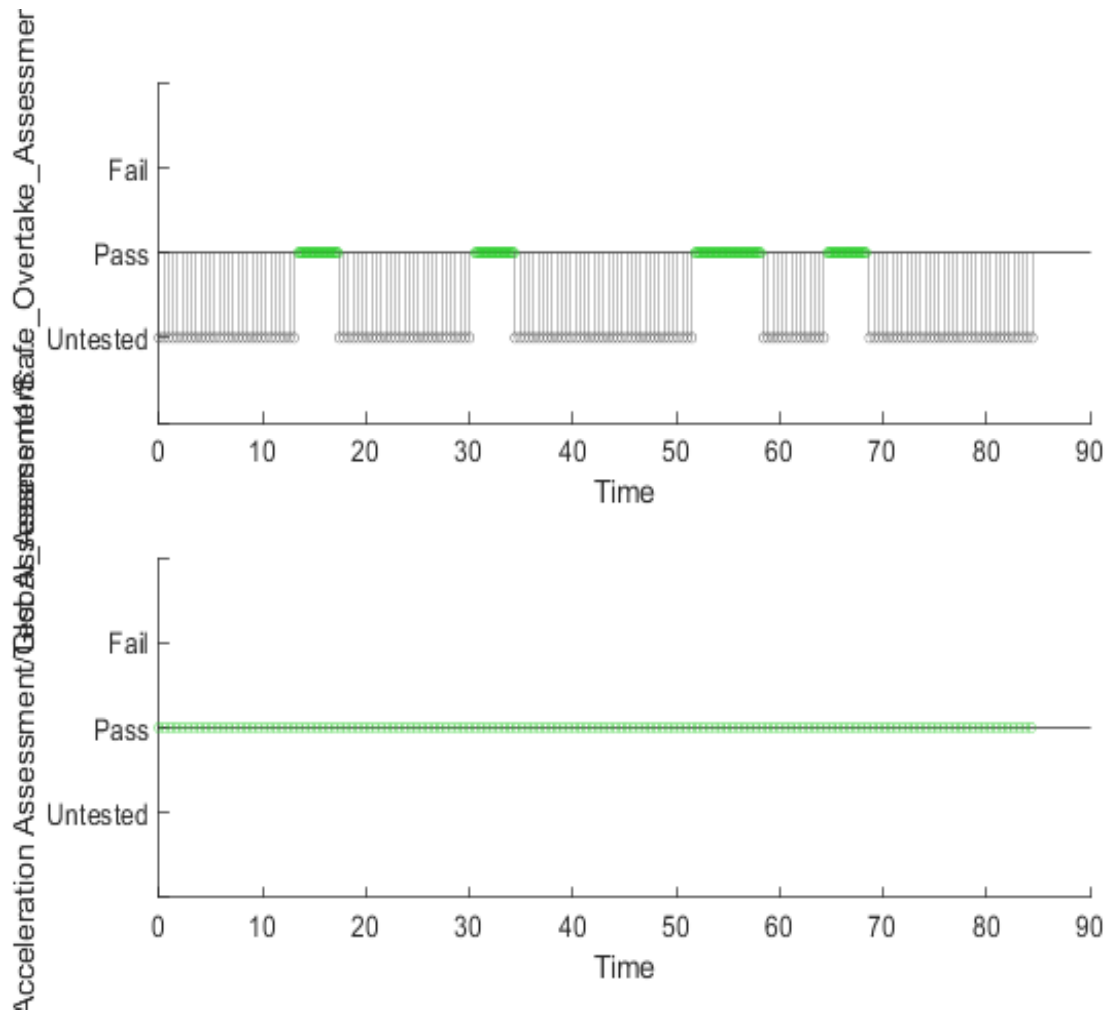
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

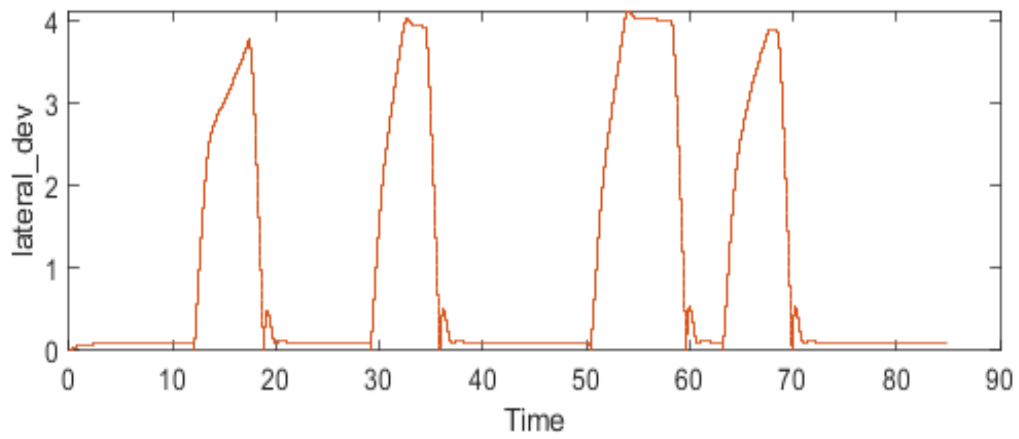
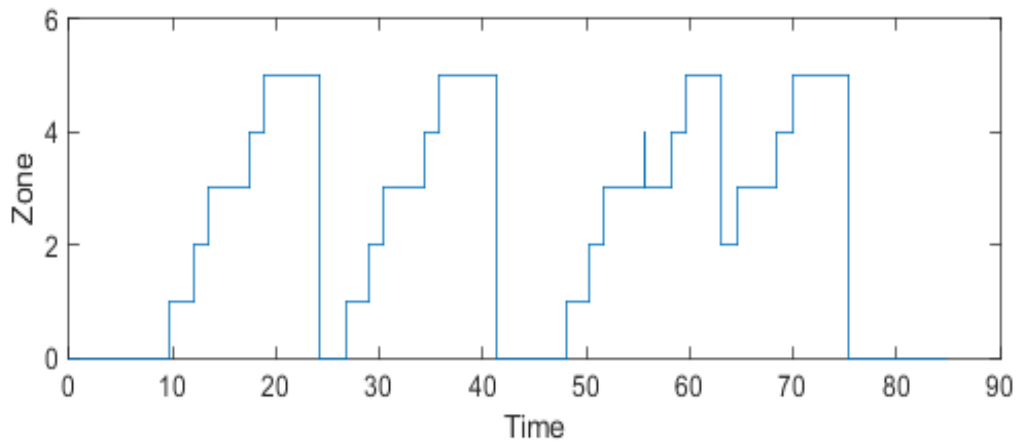
Stop Time:84.829999999999686

Checksum:4079730766 3750956007 1392781618 494694476

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



[Back to Report Summary](#)[Back to Signal Summary](#)

1000m curvature counterclockwise
100km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 100km/h](#)

Start Time: 20-May-2021 17:50:48
End Time: 20-May-2021 17:51:16
Outcome: **Passed**

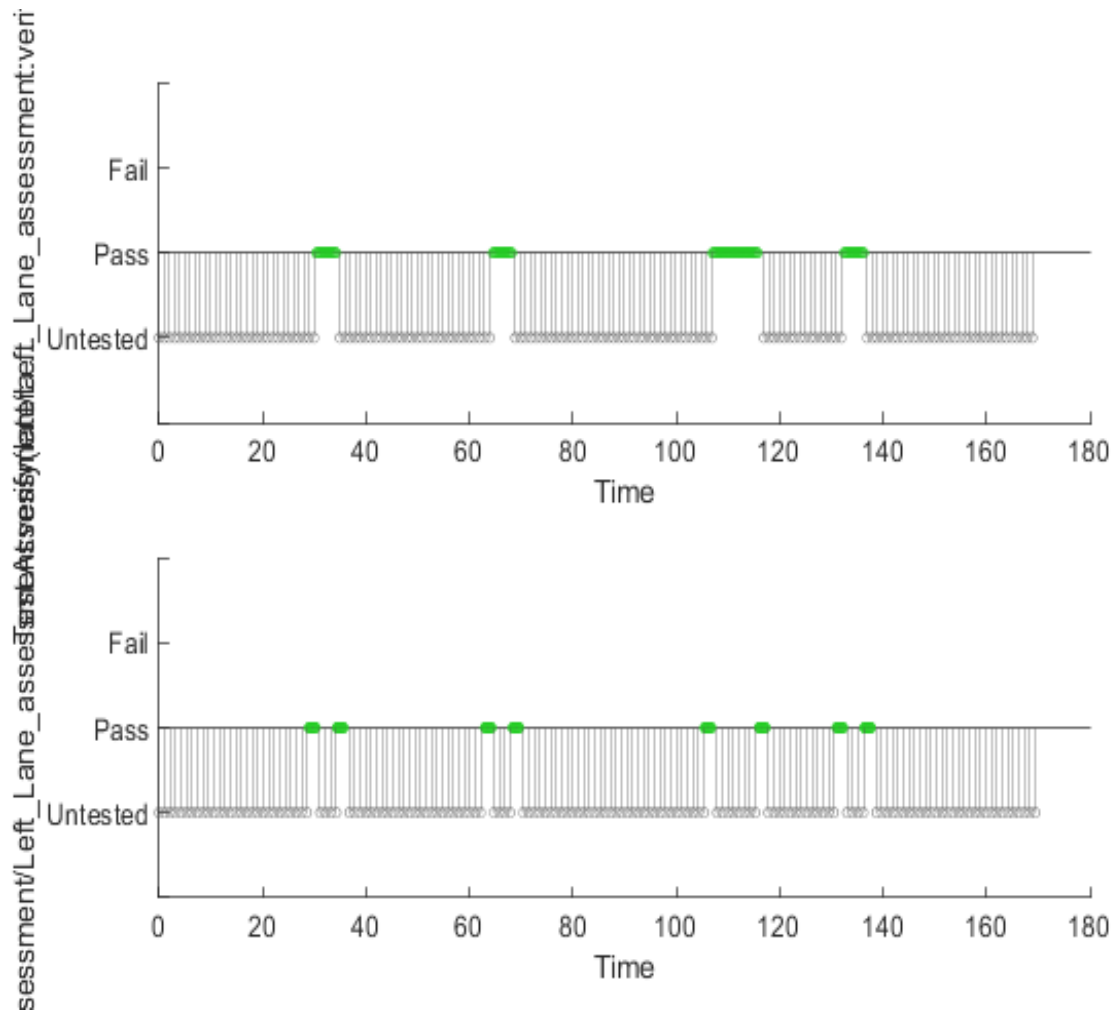
Test Case Information

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

Verify Result

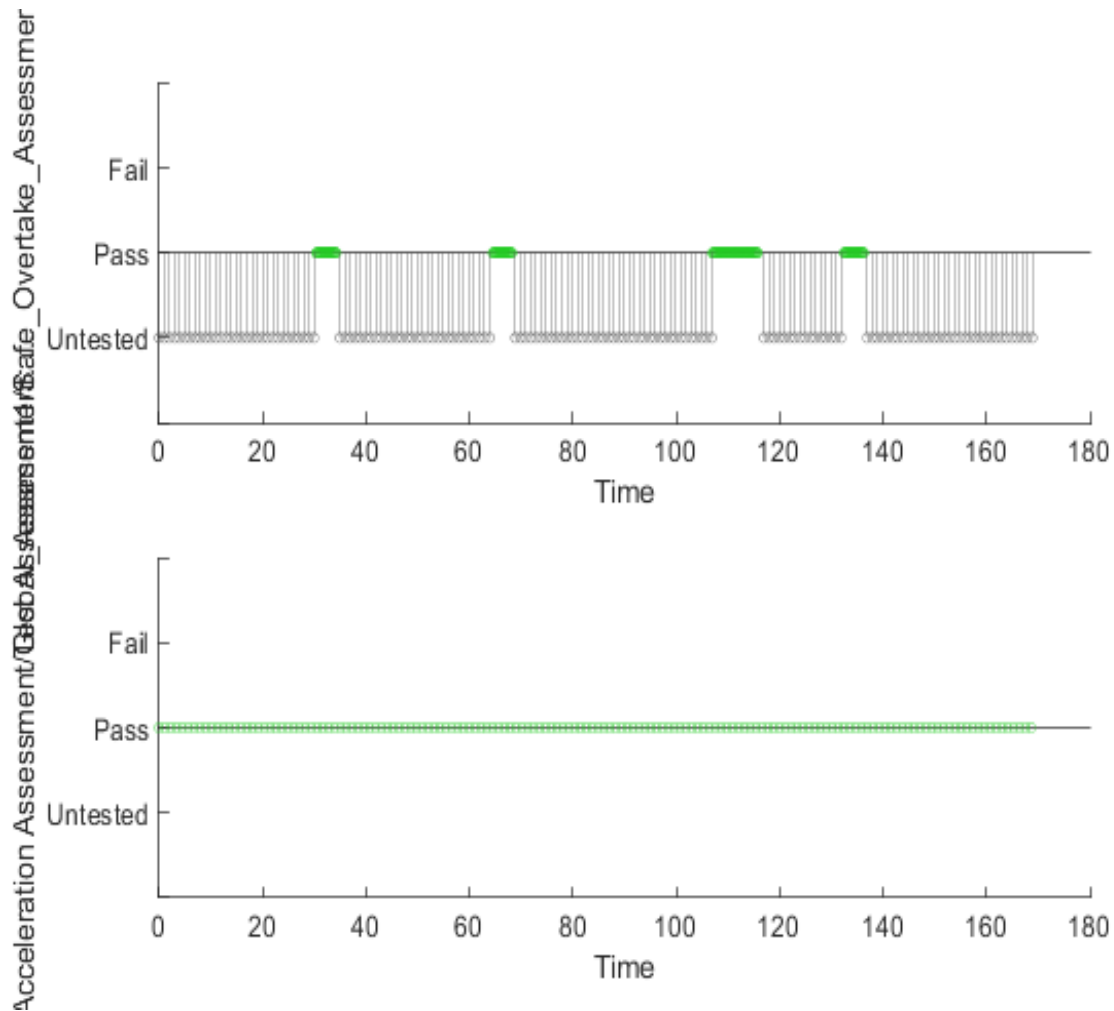
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

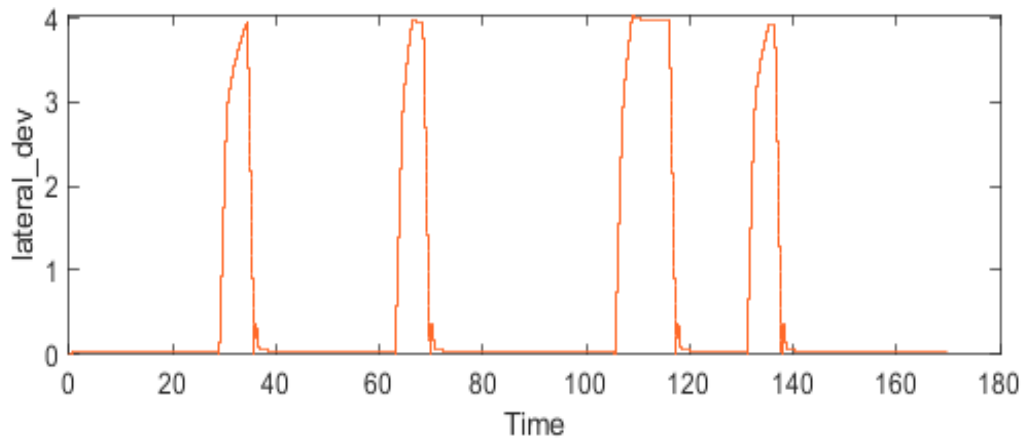
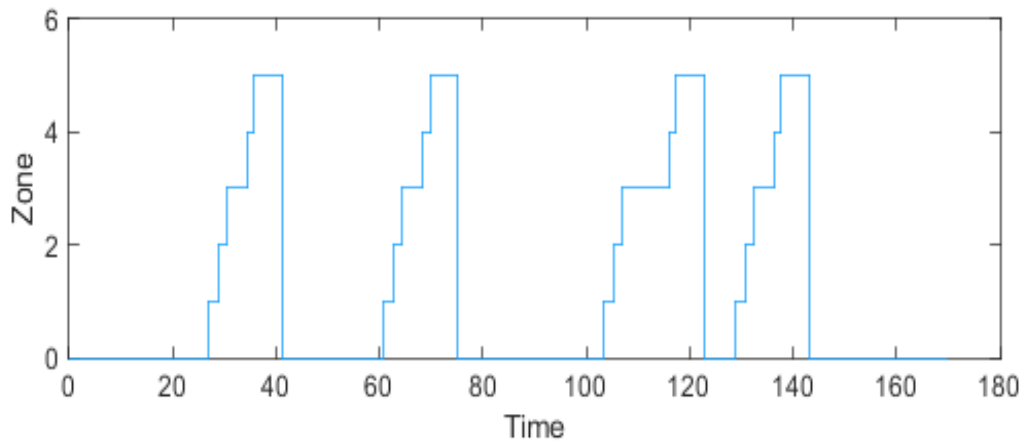
Stop Time:169.650000000000268

Checksum:3830971029 3896124596 396984536 1455394399

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



[Back to Report Summary](#)[Back to Signal Summary](#)

Multiple_static_obstacle_40km/h

Test Result Information

Result Type: Test Suite Result
Parent: [Multiple static obstacle avoidance](#)
Start Time: 20-May-2021 17:51:16

End Time: 20-May-2021 18:06:05
Outcome: Total: 22, Passed: 22

Test Suite Information

Name: Multiple_static_obstacle_40km/h

[Back to Report Summary](#)

0° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:51:16
End Time: 20-May-2021 17:51:34
Outcome: Passed

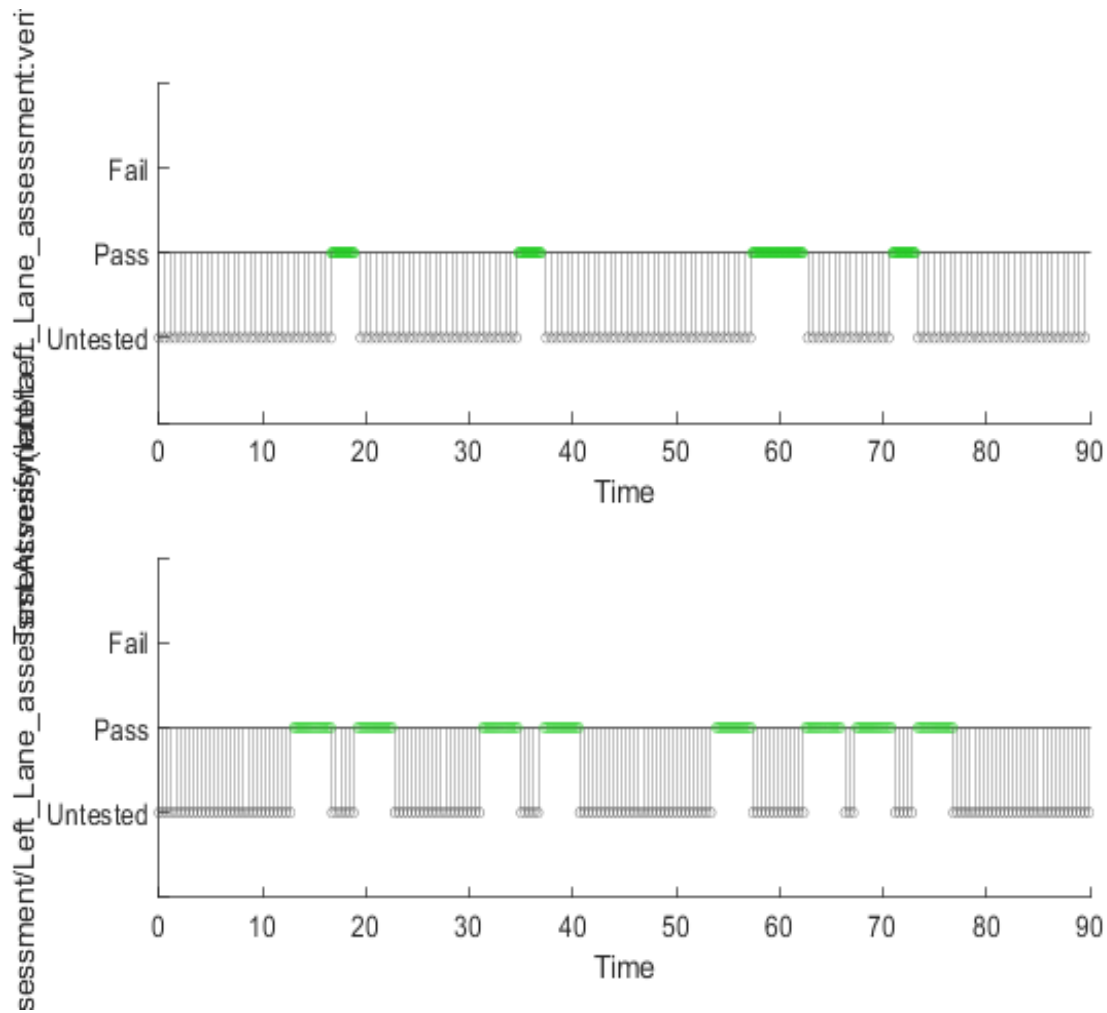
Test Case Information

Name: 0° 40km/h
Type: Simulation Test

Verify Result

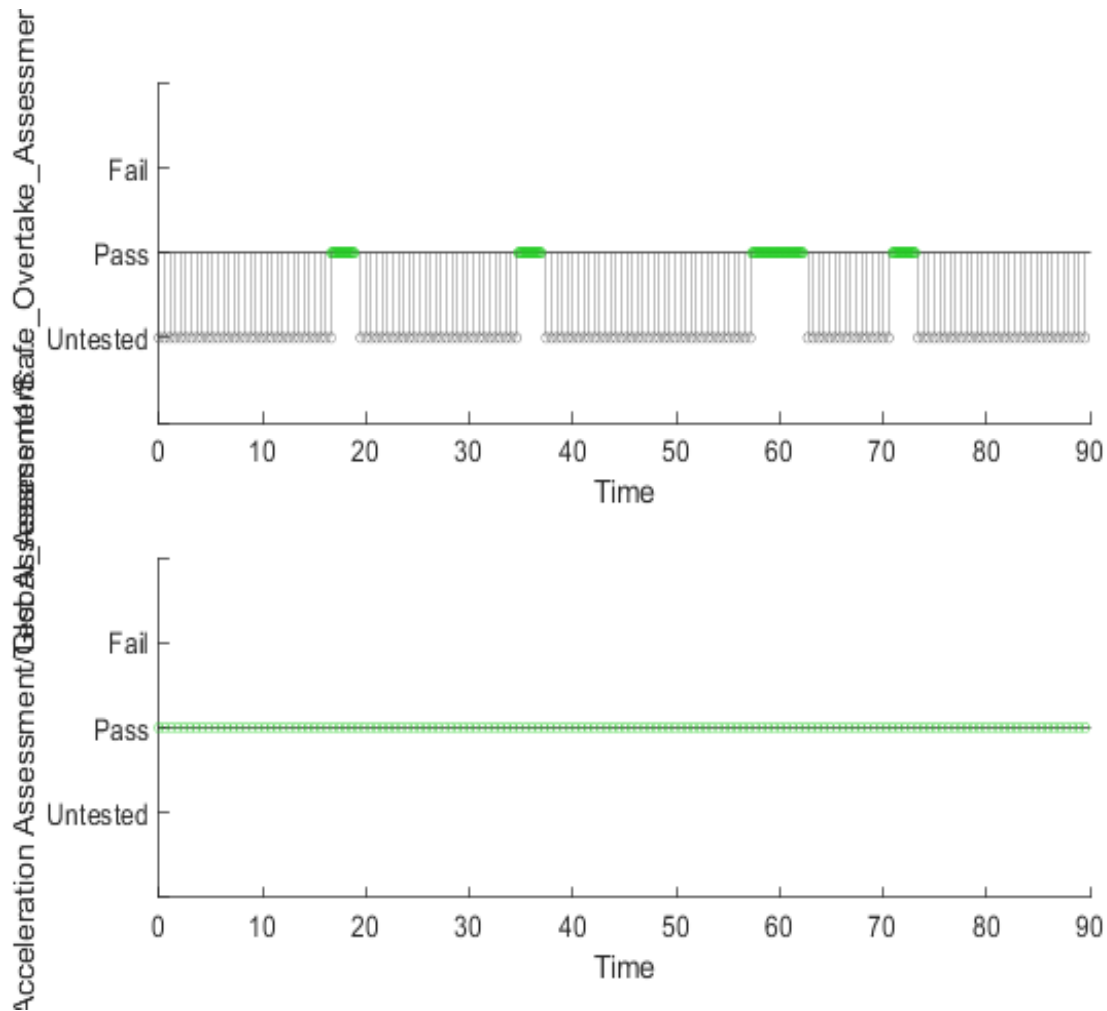
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

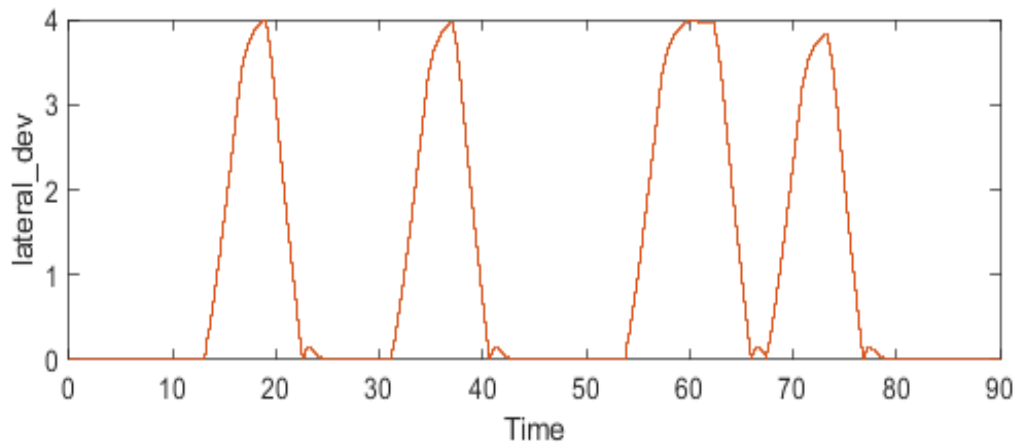
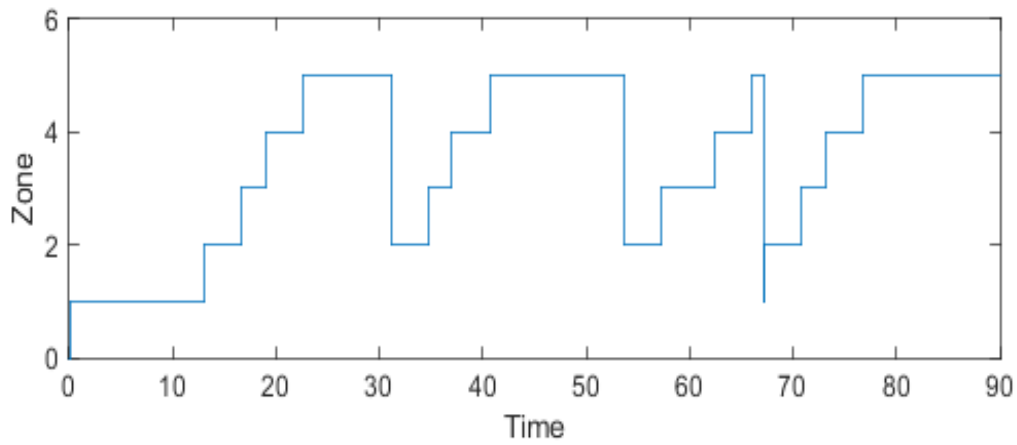
Stop Time:90

Checksum:221274237 434827763 3652454866 4252918695

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



[Back to Report Summary](#)[Back to Signal Summary](#)

20° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:51:34

End Time: 20-May-2021 17:51:55
Outcome: Passed

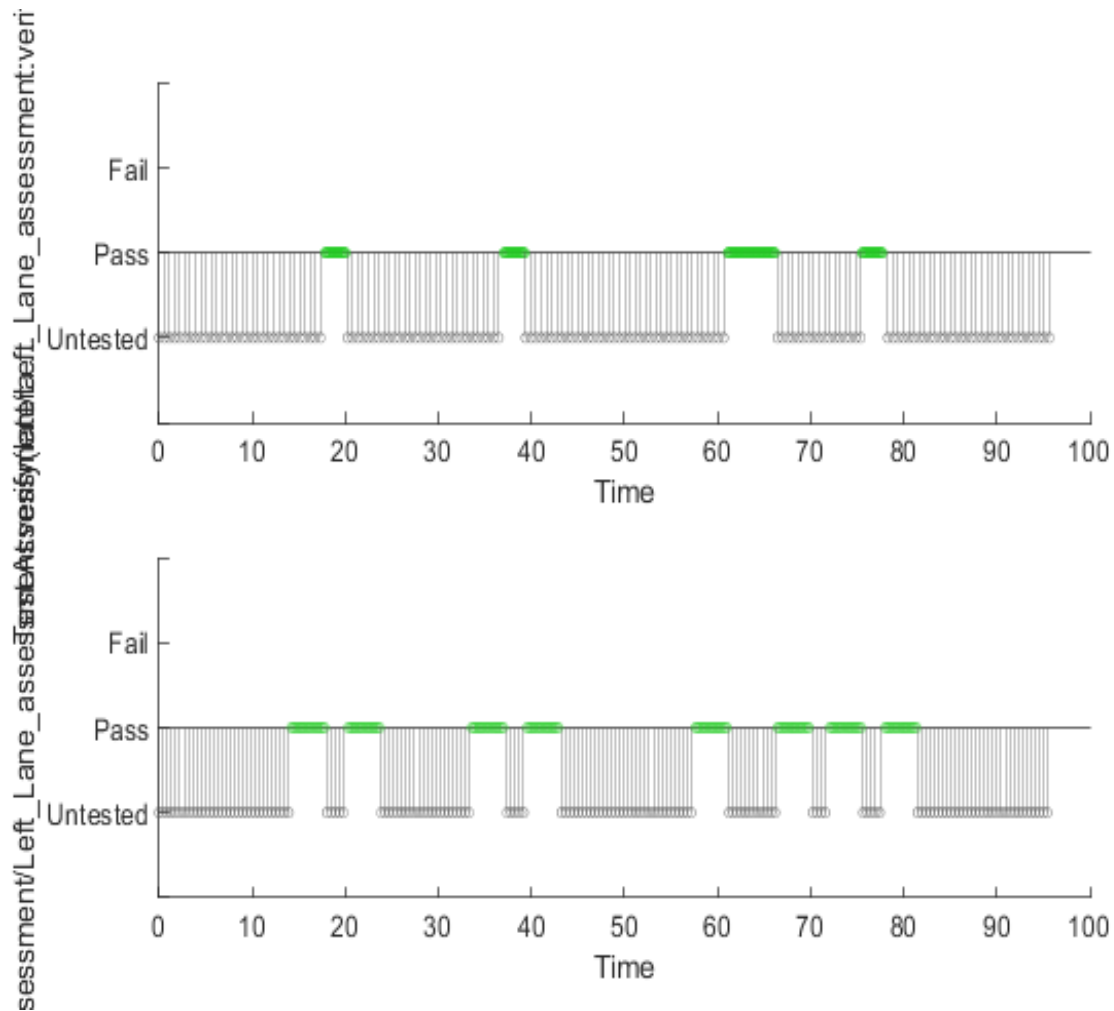
Test Case Information

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

Verify Result

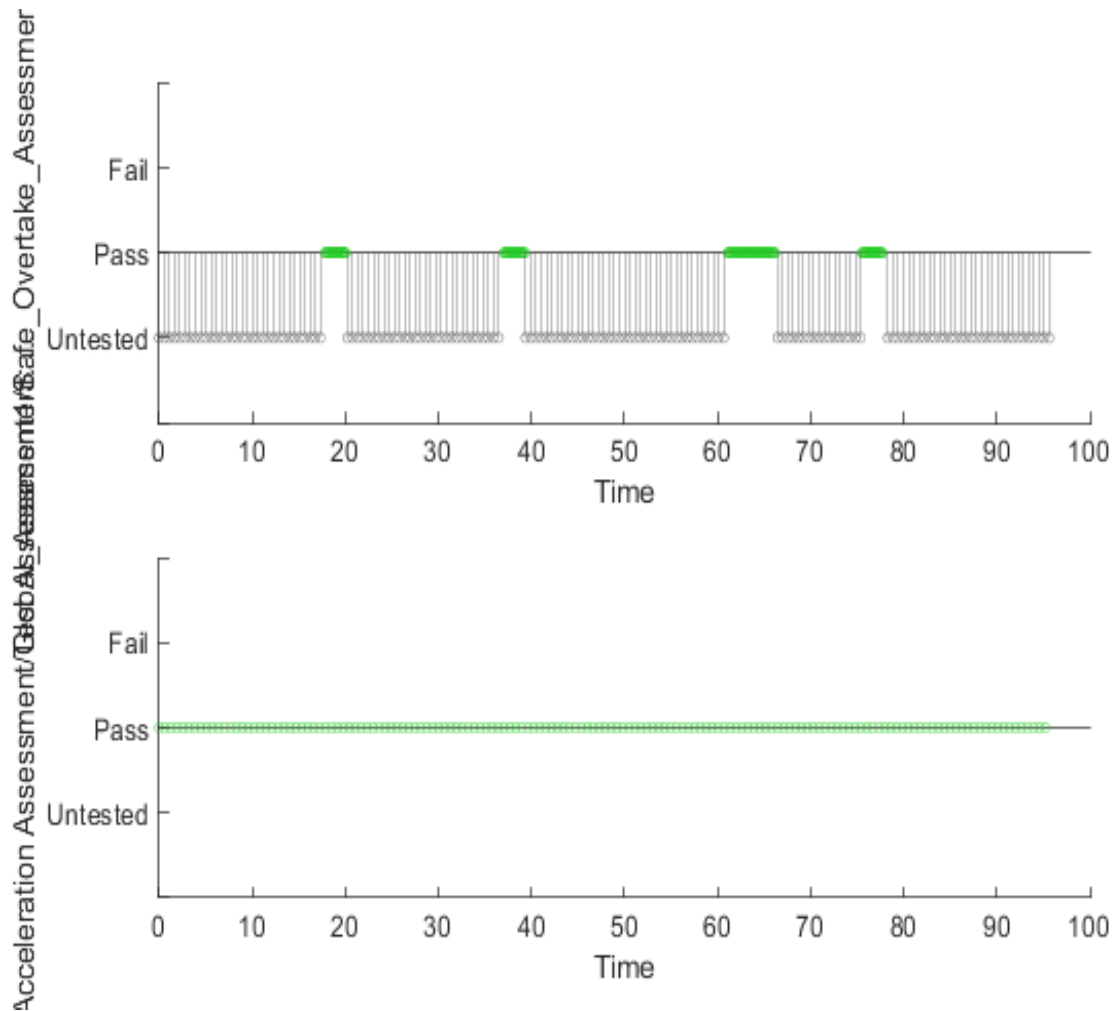
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

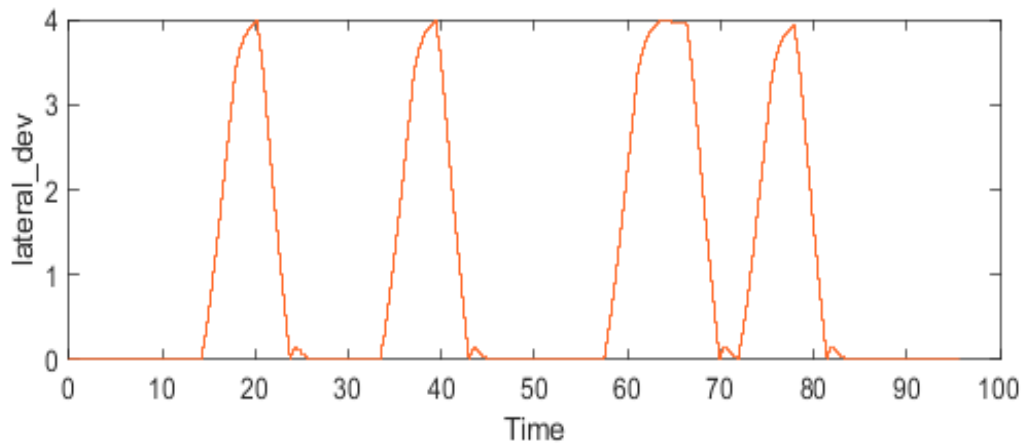
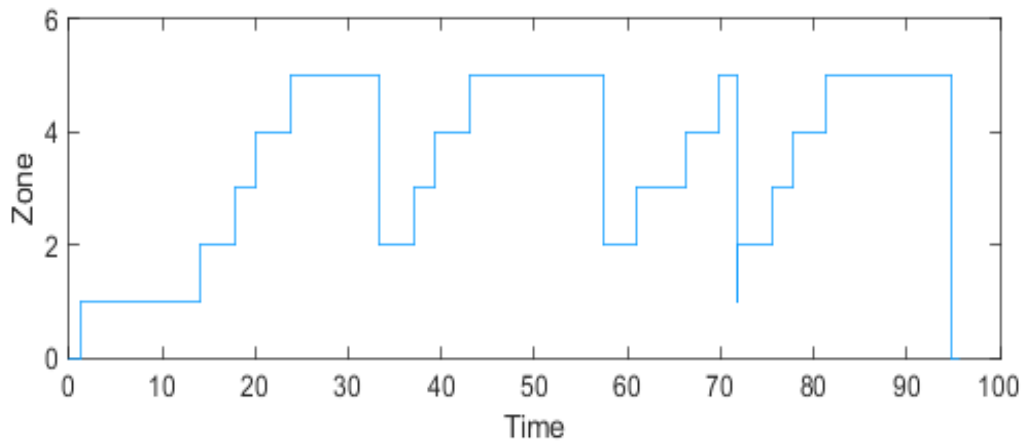
Stop Time:95.77691579916322

Checksum:4196820646 3772958935 1270524365 1968627987

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



[Back to Report Summary](#)[Back to Signal Summary](#)

45° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:51:55

End Time: 20-May-2021 17:52:27
Outcome: Passed

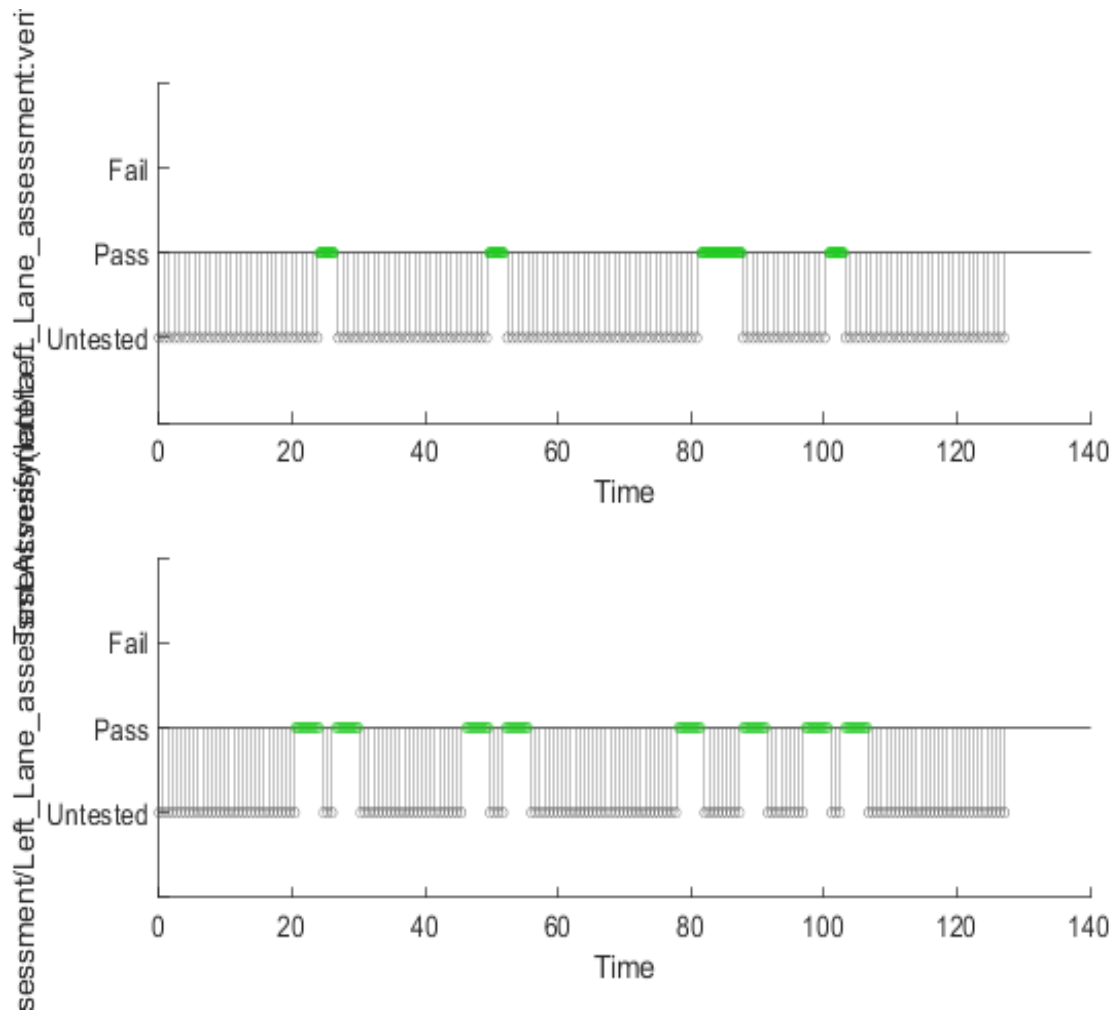
Test Case Information

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

Verify Result

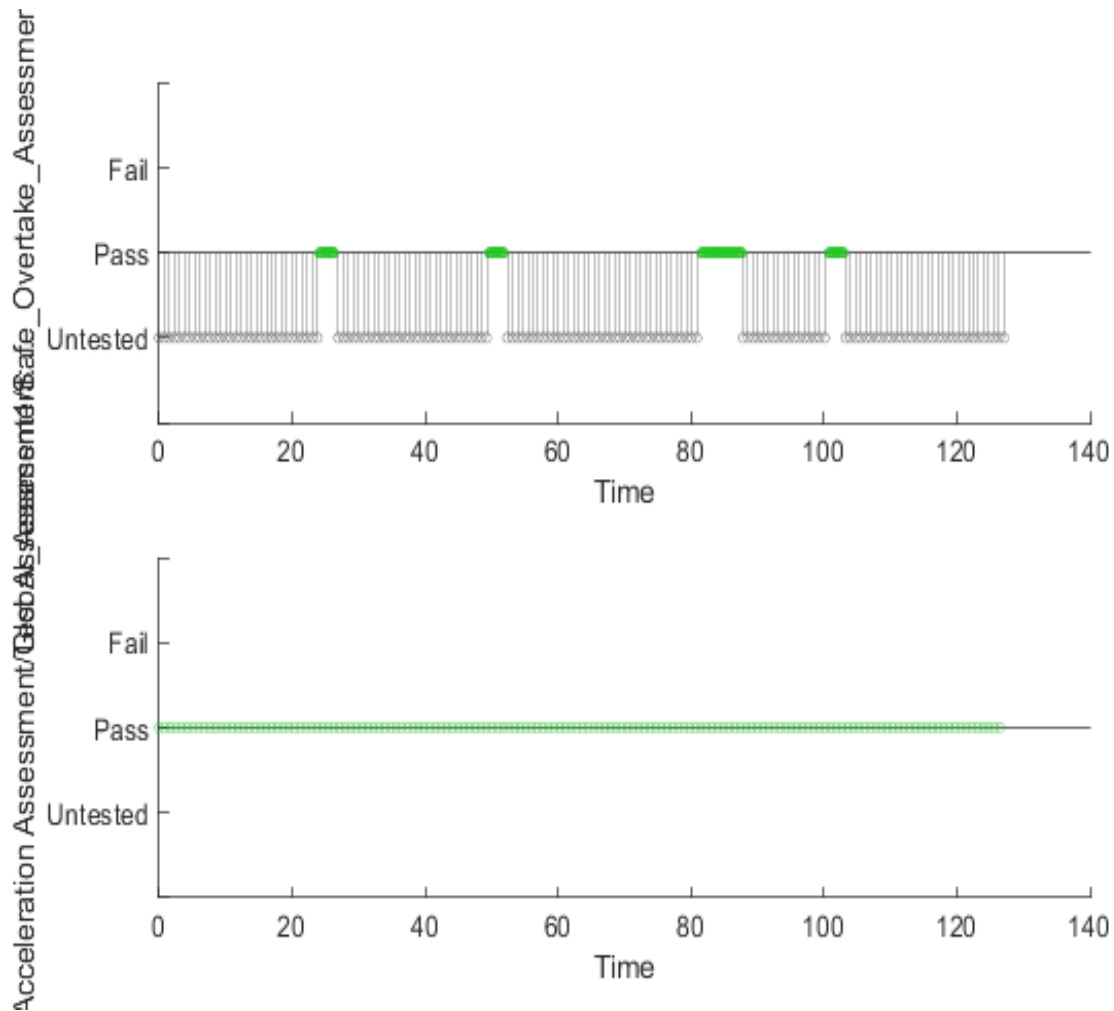
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

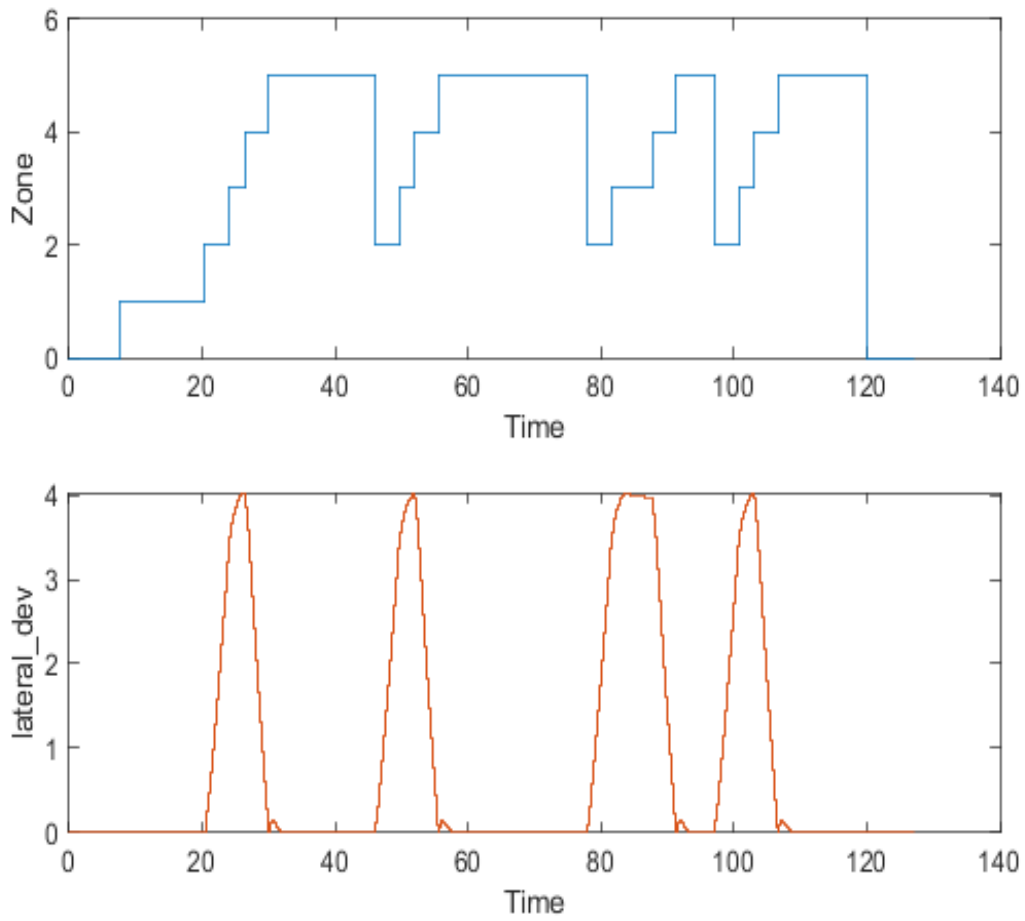
Stop Time:127.27922061357856

Checksum:201998195 2789068623 3833426755 2043383009

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



[Back to Report Summary](#)[Back to Signal Summary](#)

70° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:52:27

End Time: 20-May-2021 17:53:28
Outcome: Passed

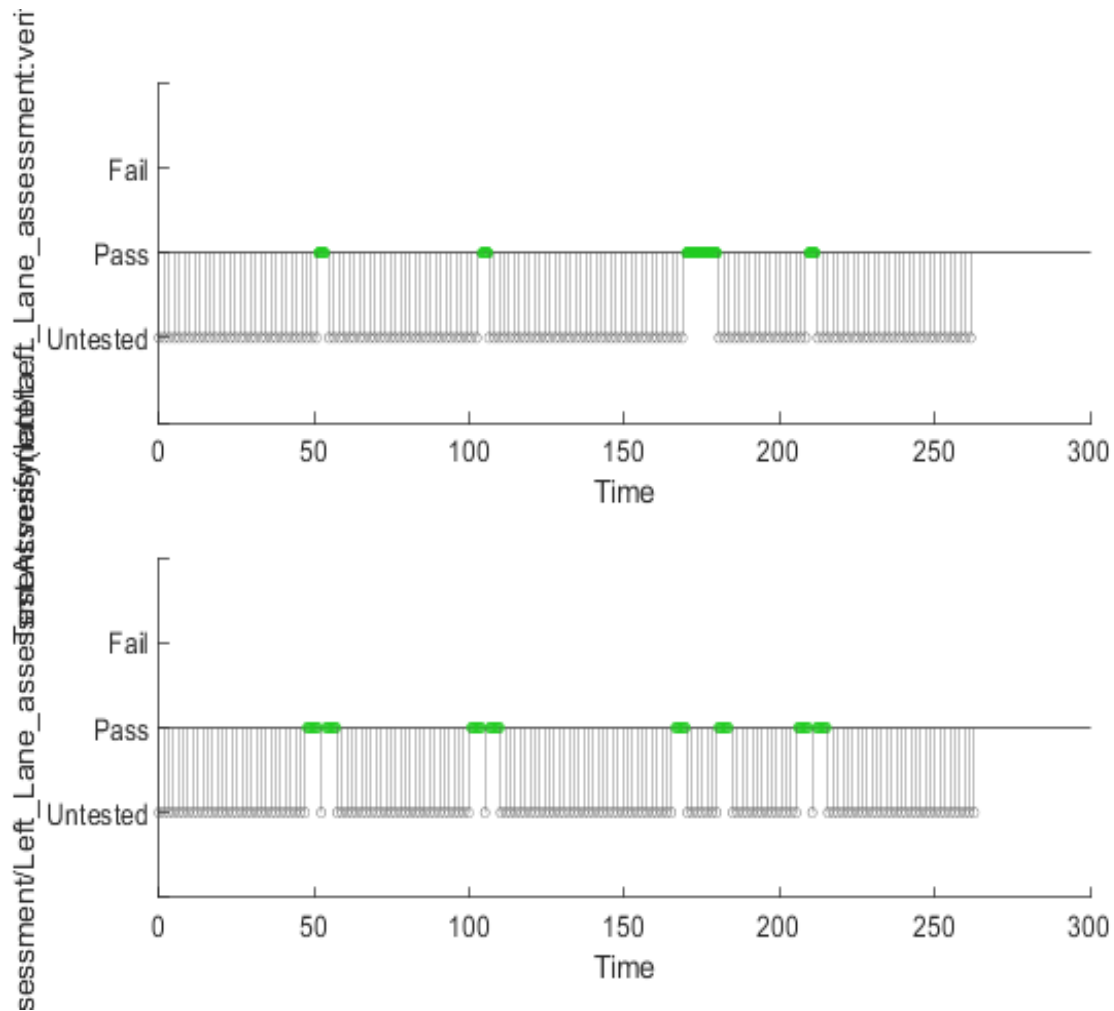
Test Case Information

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

Verify Result

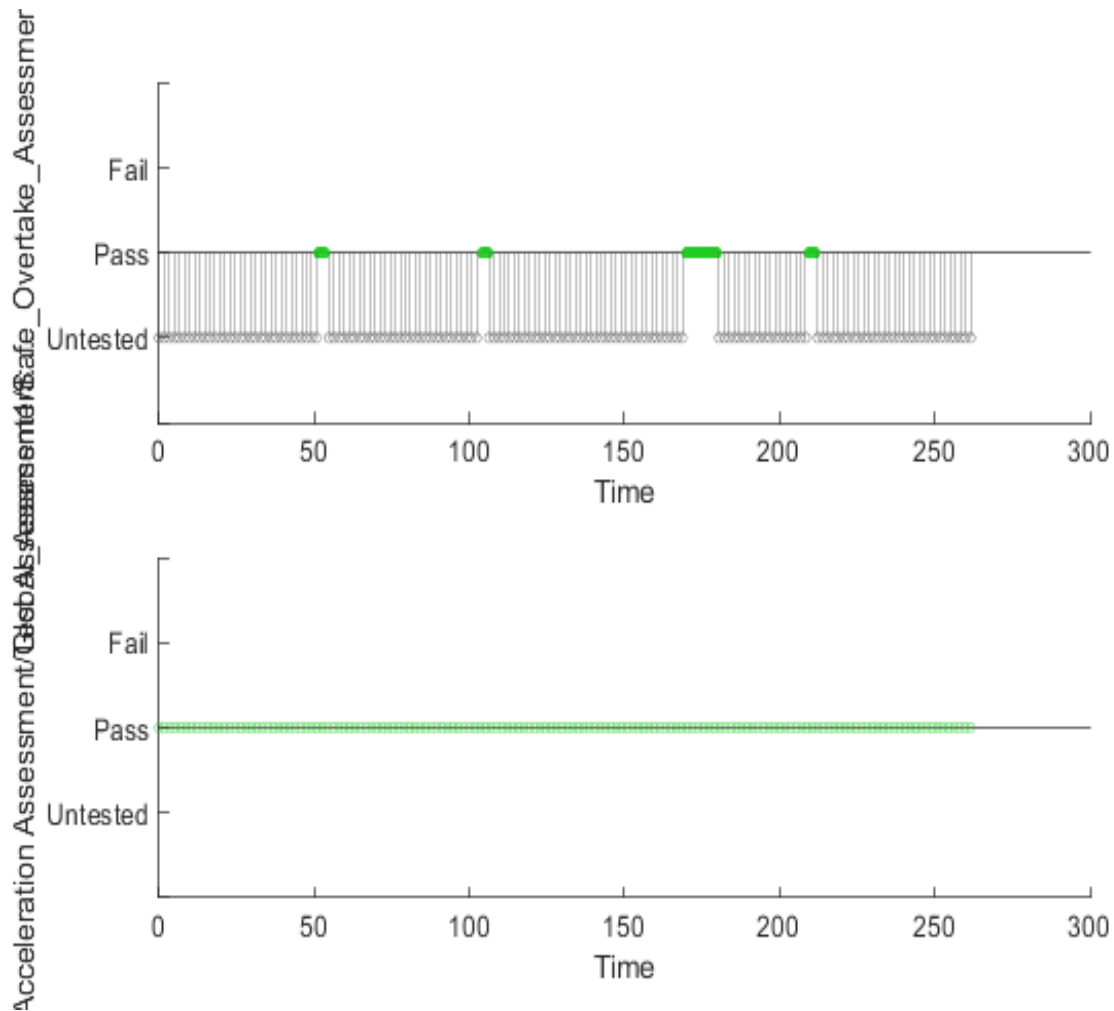
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

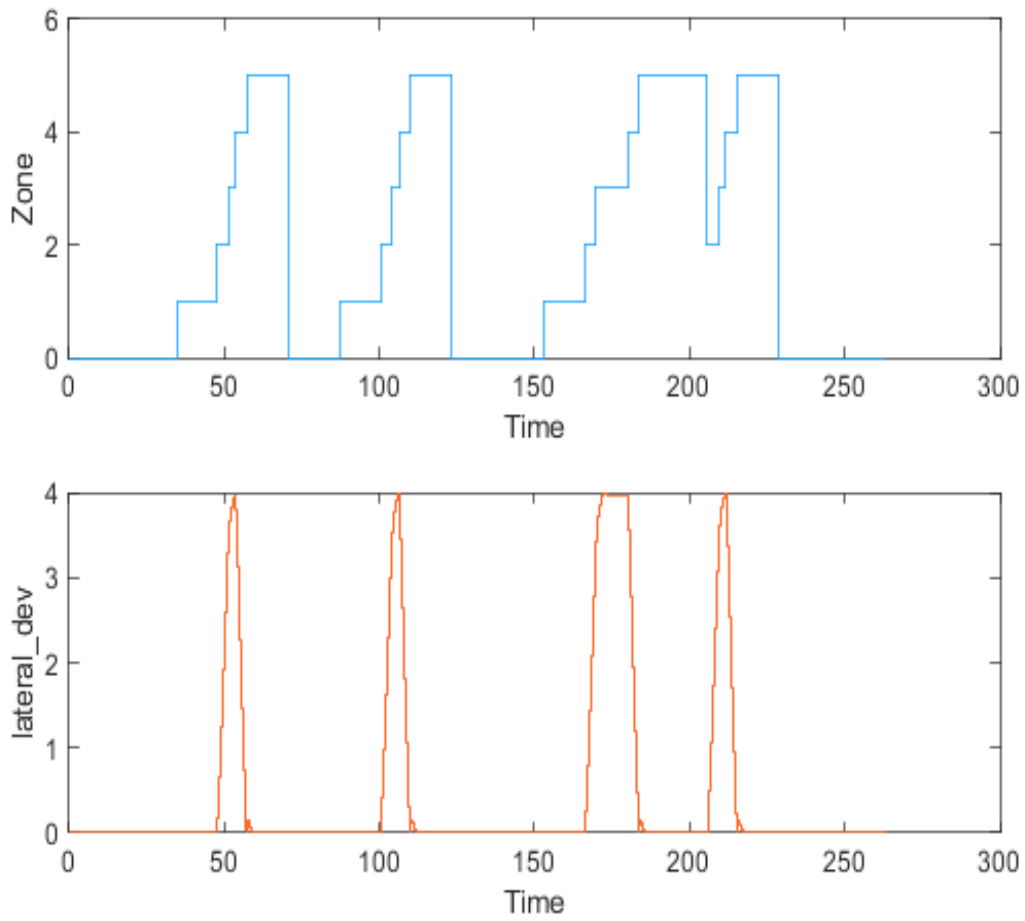
Stop Time:263.10201994663595

Checksum:569516552 2374987020 3556924391 3451645777

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



[Back to Report Summary](#)[Back to Signal Summary](#)

90° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:53:28

End Time: 20-May-2021 17:53:46
Outcome: Passed

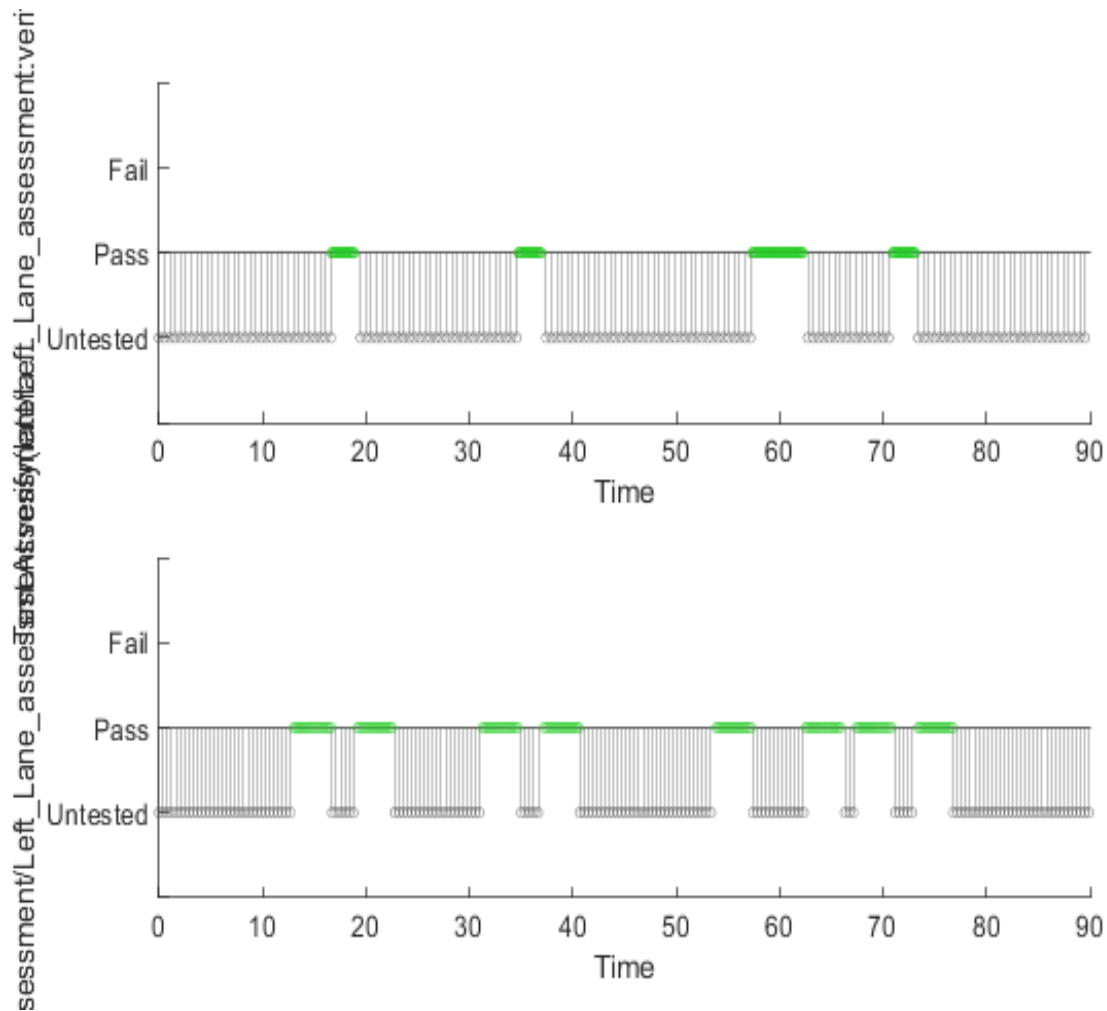
Test Case Information

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

Verify Result

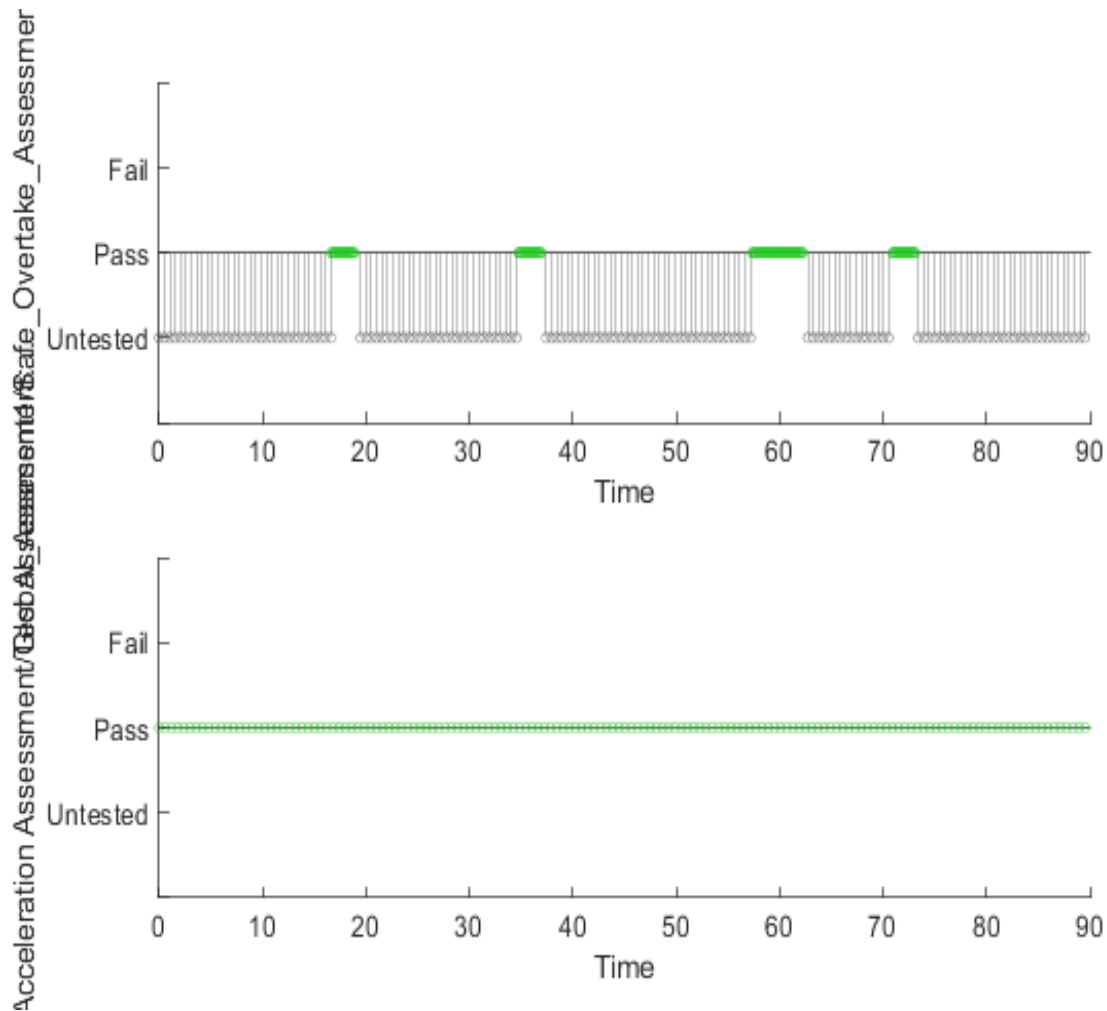
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

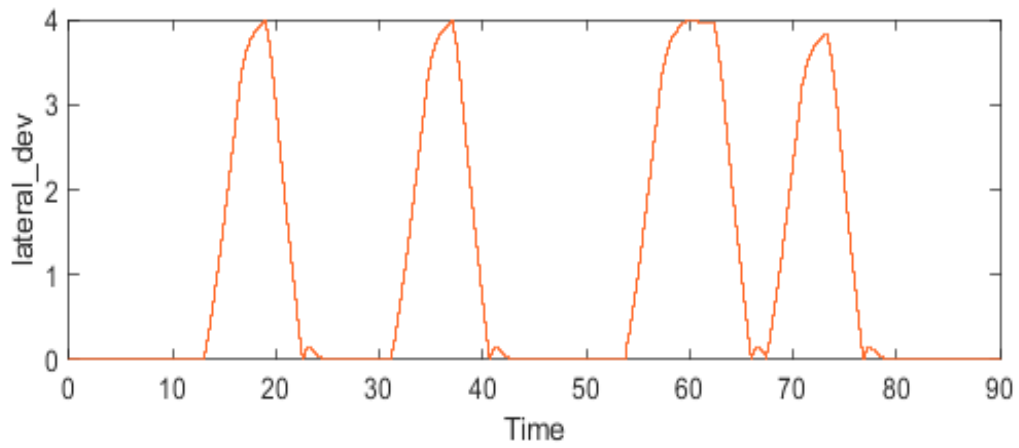
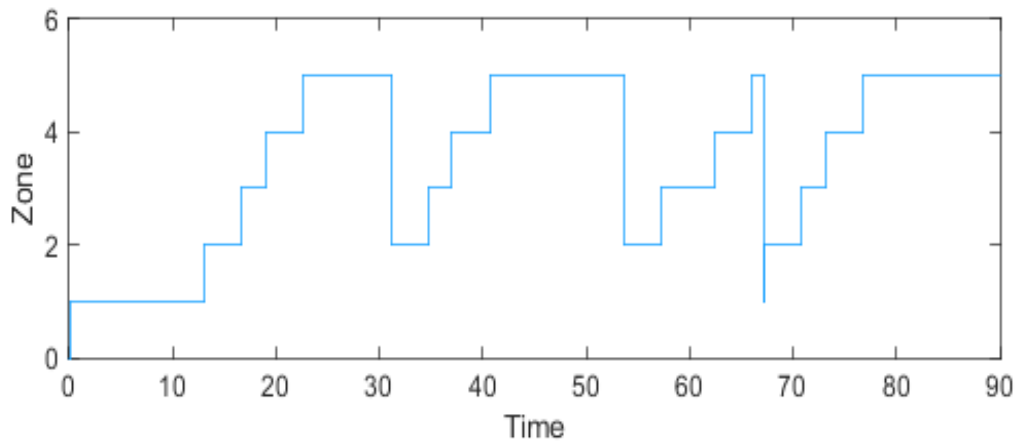
Stop Time:90

Checksum:221274237 434827763 3652454866 4252918695

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



[Back to Report Summary](#)[Back to Signal Summary](#)

110° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:53:46

End Time: 20-May-2021 17:54:05
Outcome: Passed

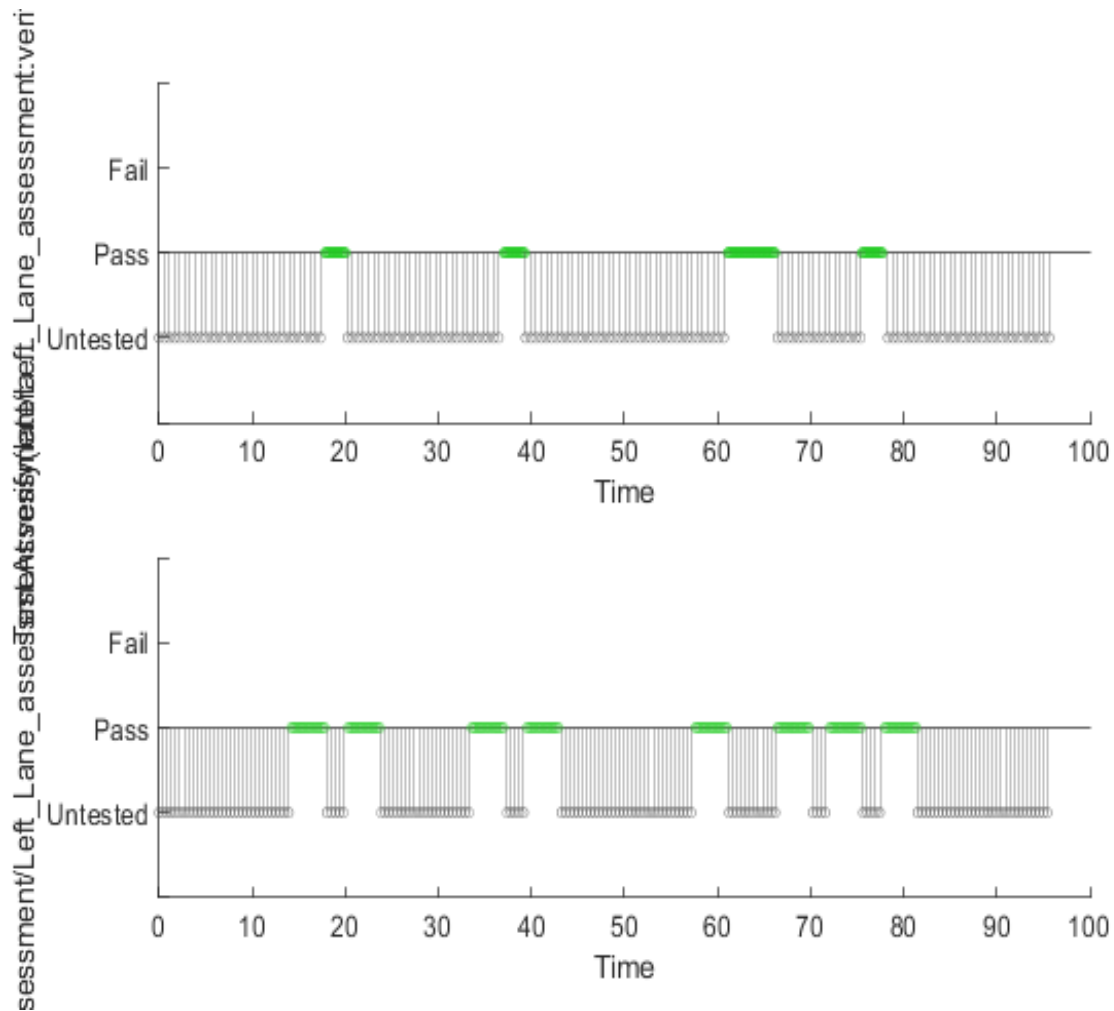
Test Case Information

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

Verify Result

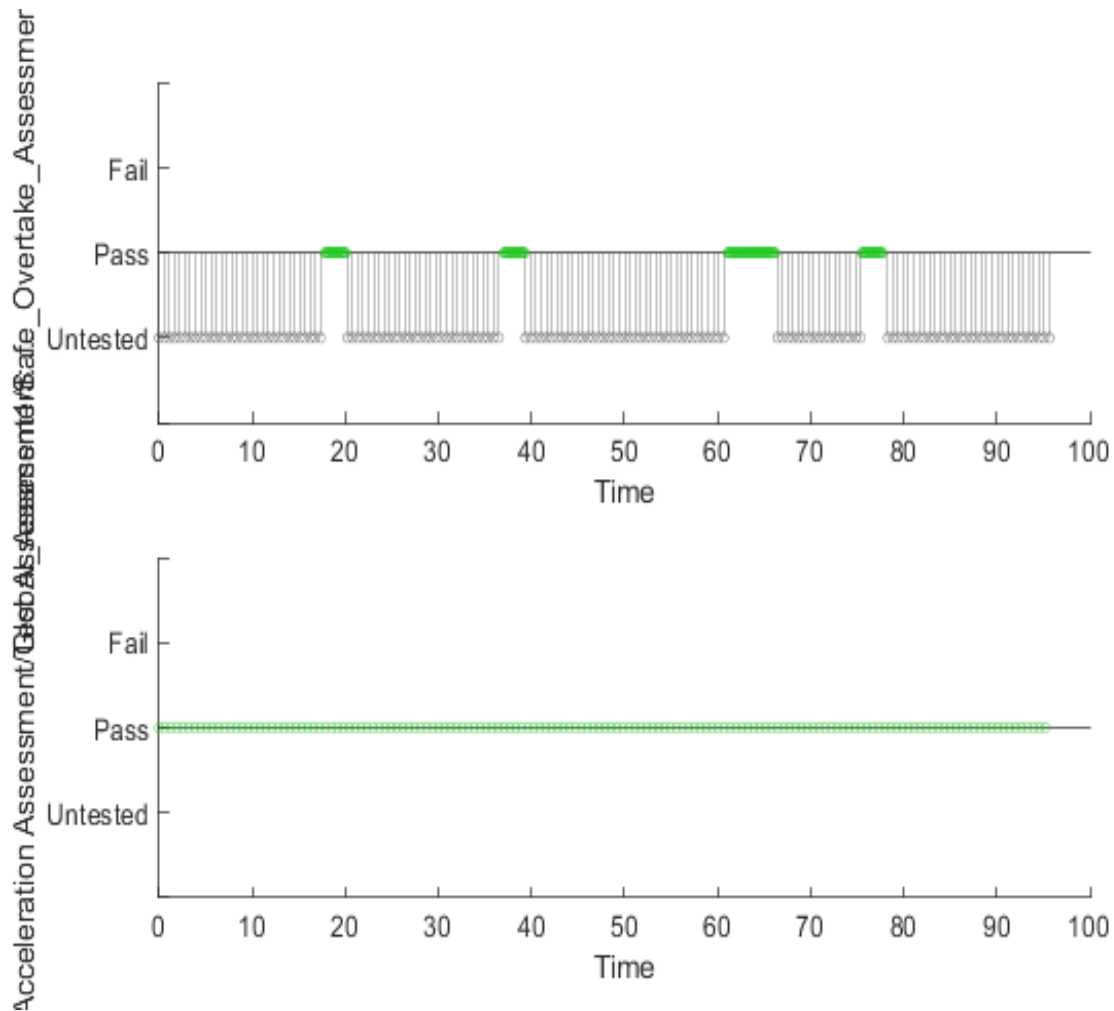
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

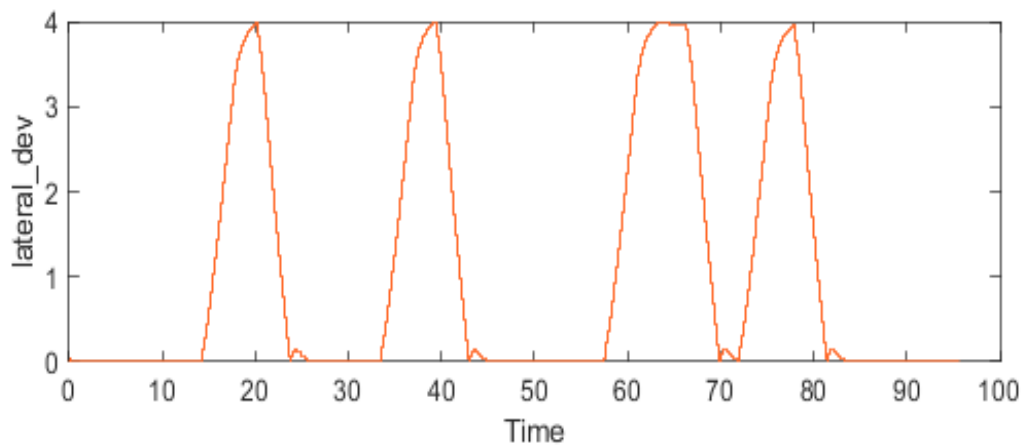
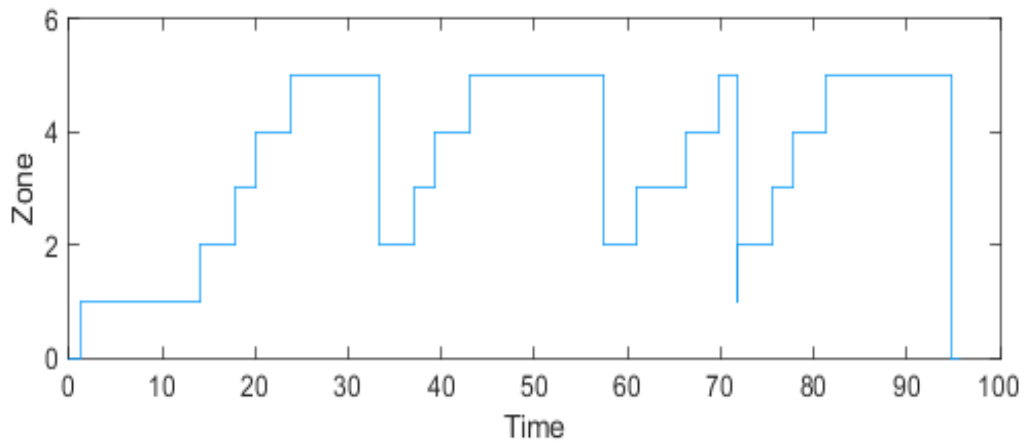
Stop Time:95.77691579916322

Checksum:4196820646 3772958935 1270524365 1968627987

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



[Back to Report Summary](#)[Back to Signal Summary](#)

135° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:54:05

End Time: 20-May-2021 17:54:29
Outcome: Passed

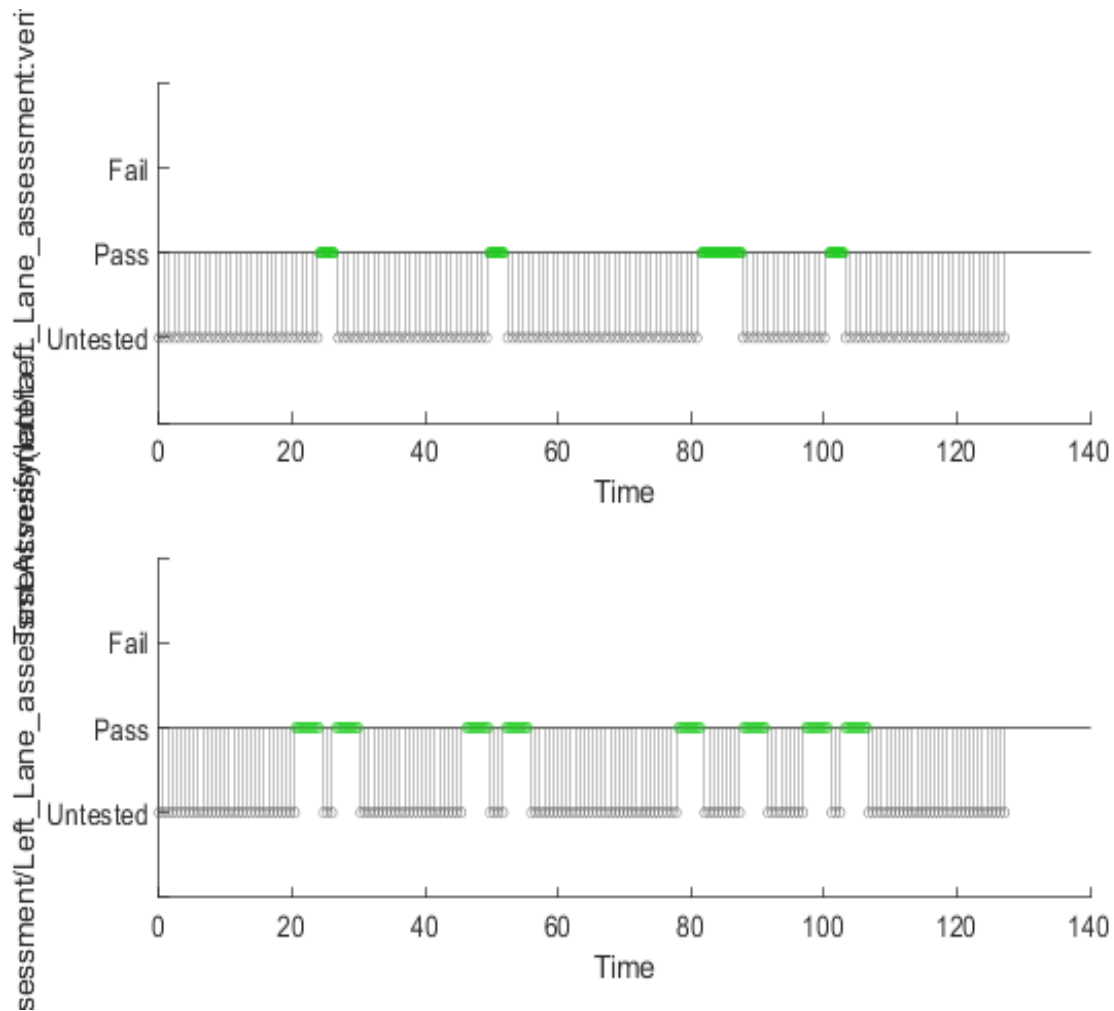
Test Case Information

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

Verify Result

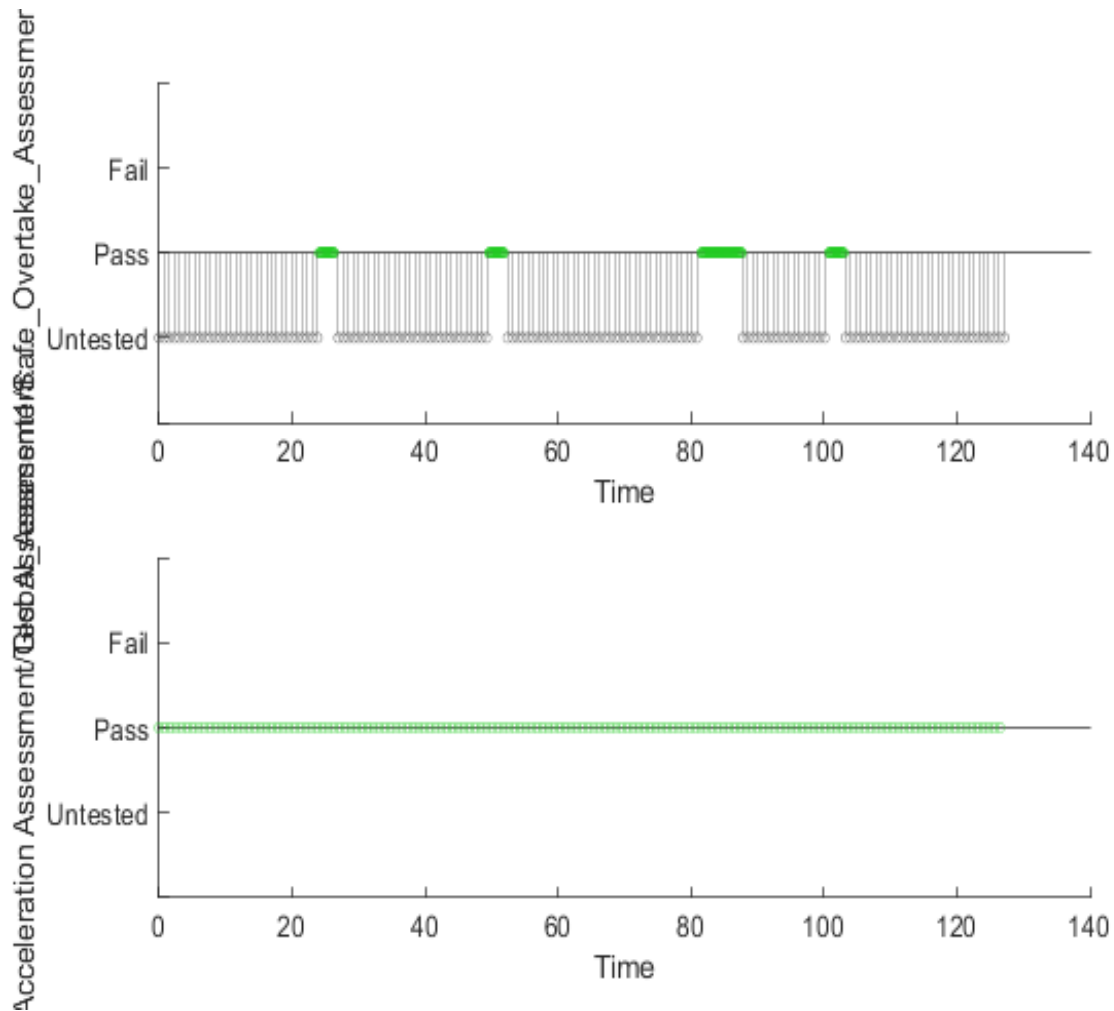
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

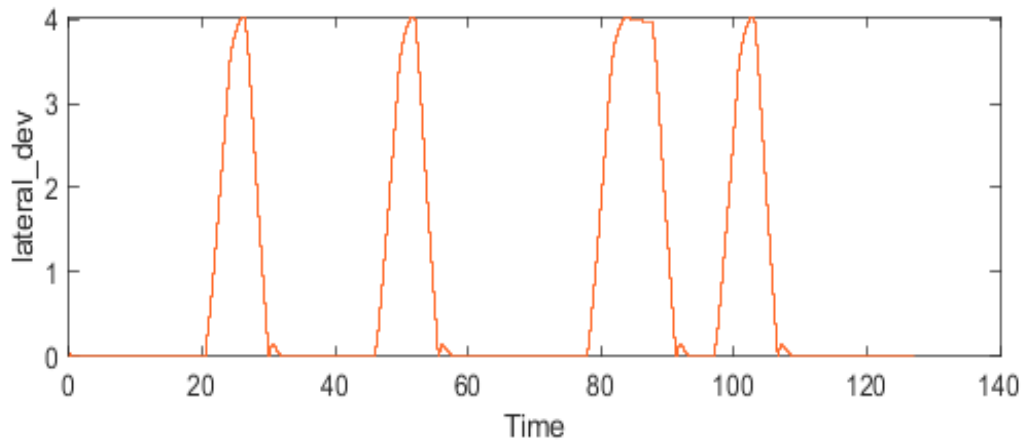
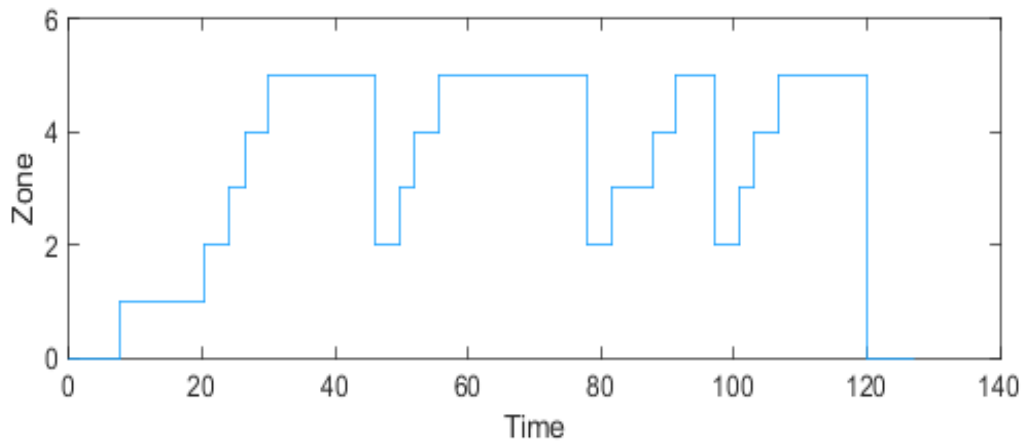
Stop Time:127.27922061357856

Checksum:201998195 2789068623 3833426755 2043383009

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



[Back to Report Summary](#)[Back to Signal Summary](#)

160° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:54:29

End Time: 20-May-2021 17:55:26
Outcome: Passed

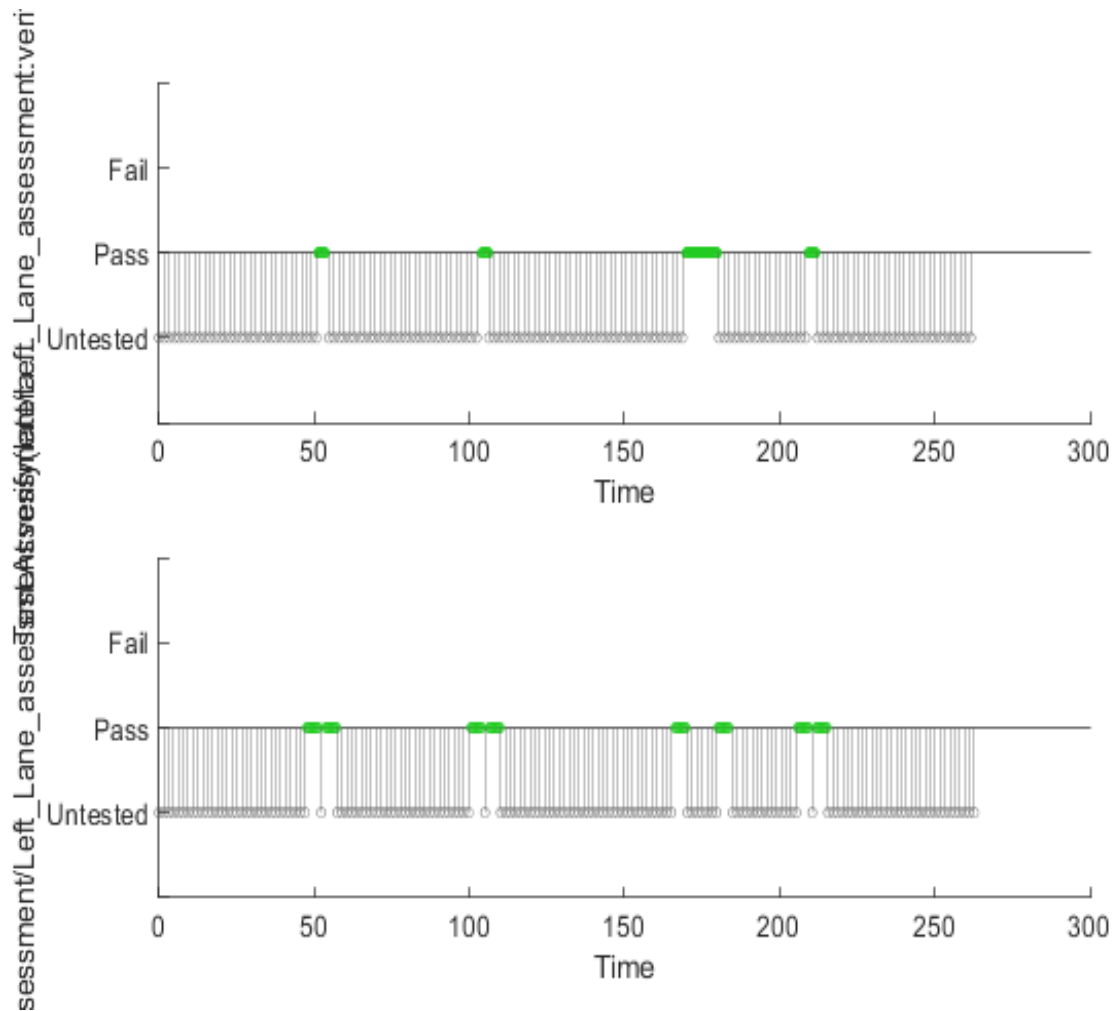
Test Case Information

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

Verify Result

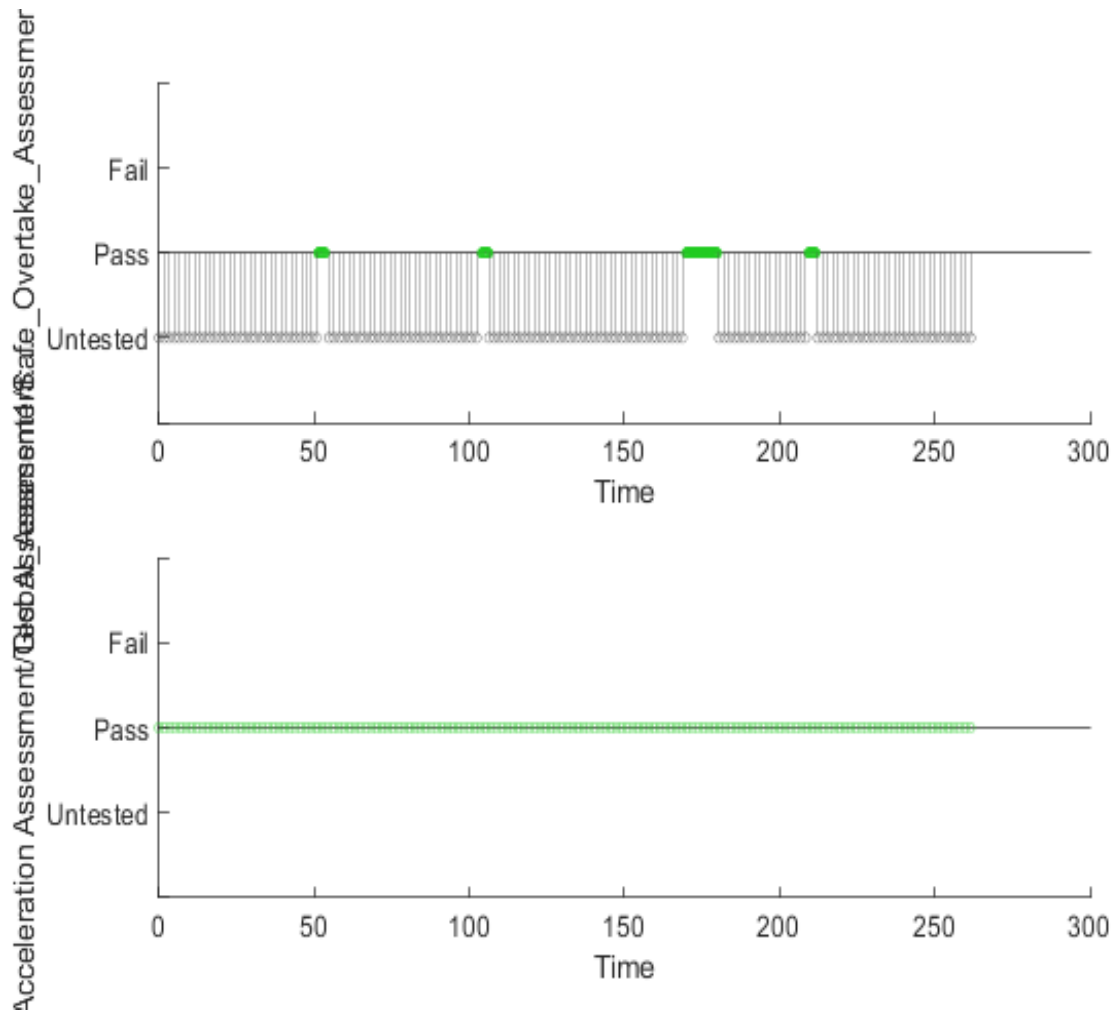
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

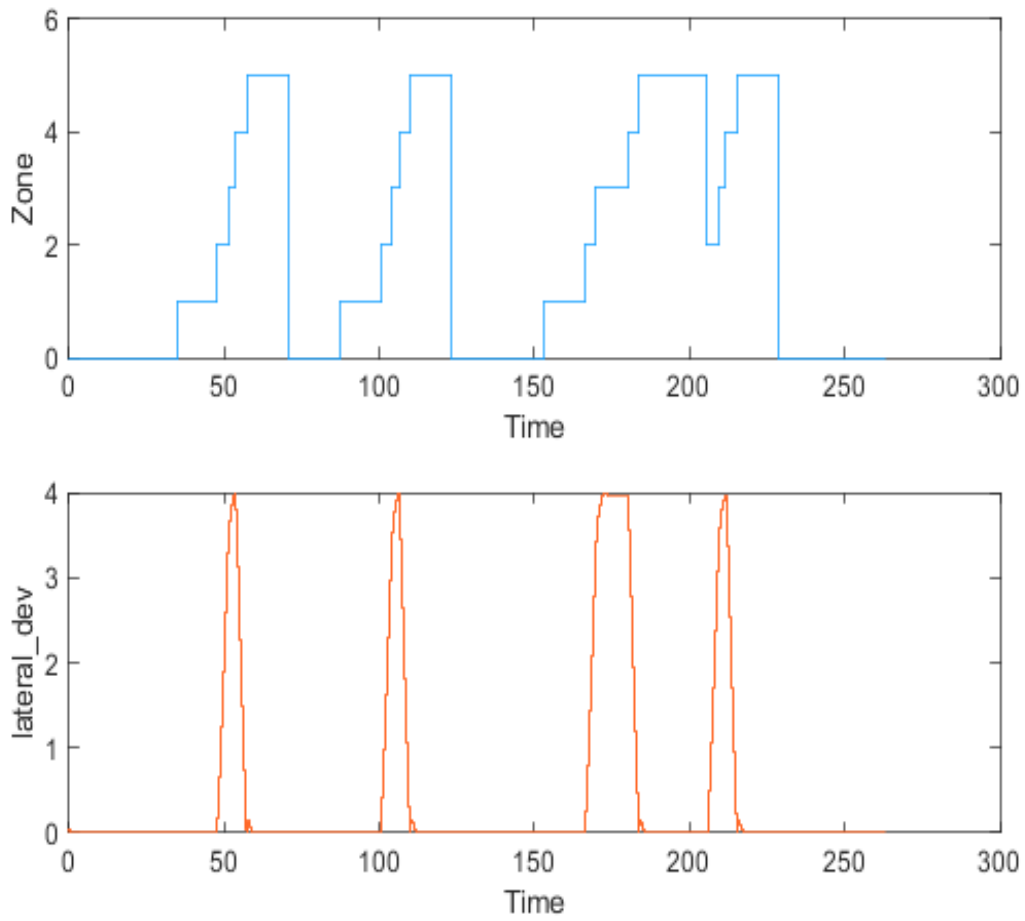
Stop Time:263.10201994663595

Checksum:569516552 2374987020 3556924391 3451645777

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



[Back to Report Summary](#)[Back to Signal Summary](#)

180° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:55:26

End Time: 20-May-2021 17:55:43
Outcome: Passed

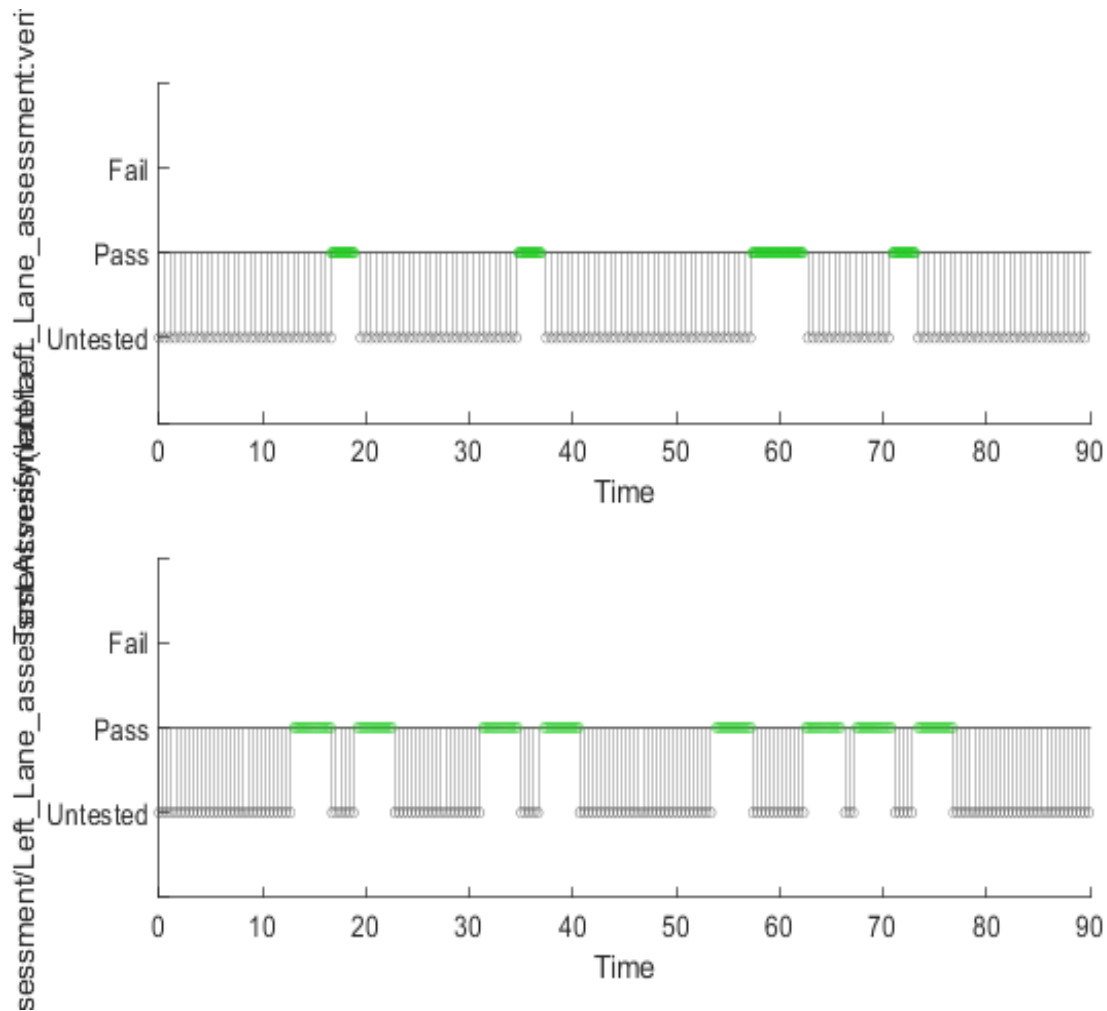
Test Case Information

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

Verify Result

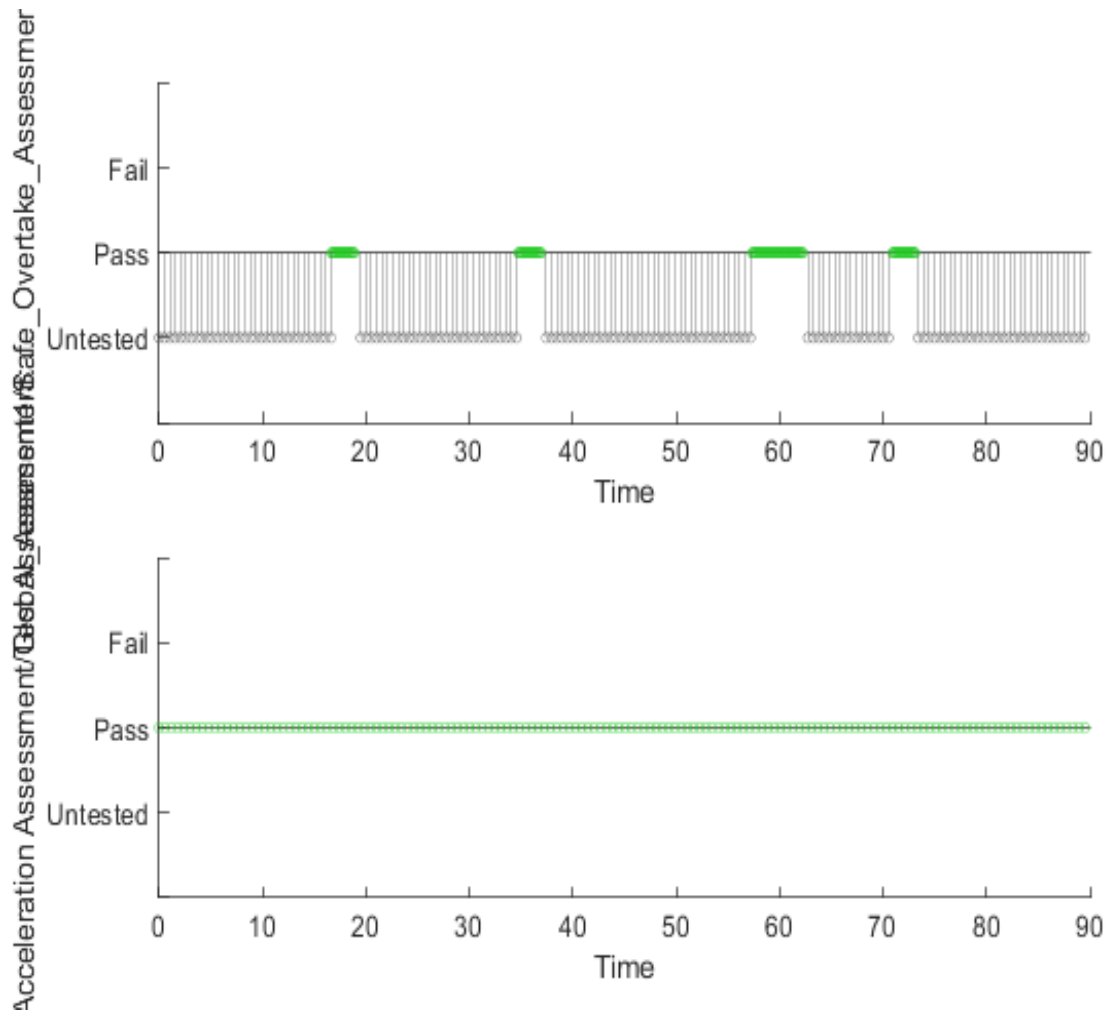
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

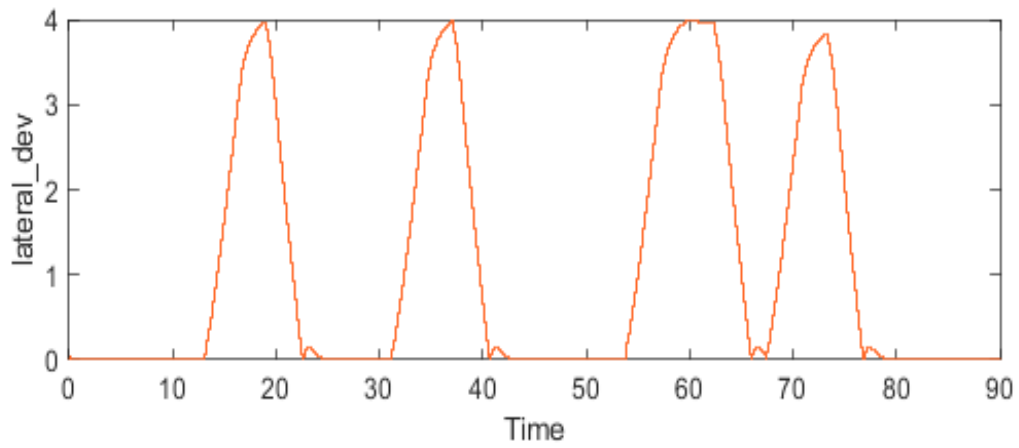
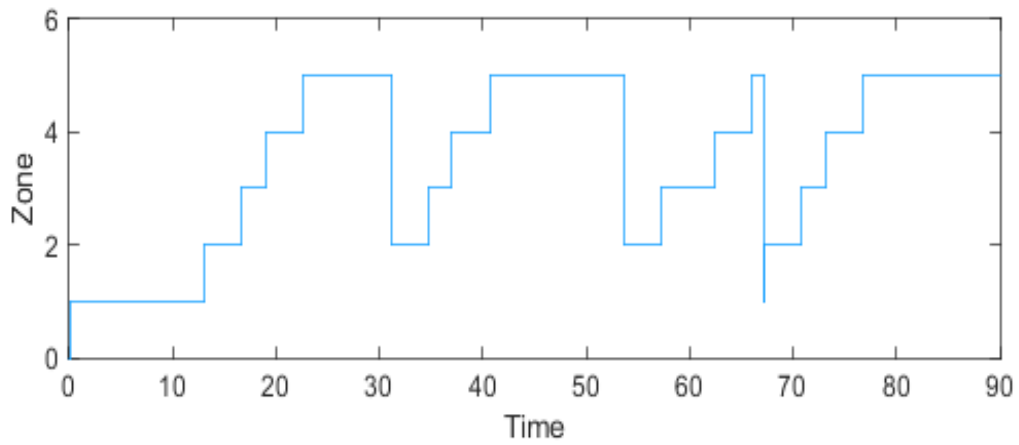
Stop Time:90

Checksum:221274237 434827763 3652454866 4252918695

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-20° 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 17:55:43

End Time: 20-May-2021 17:56:03
Outcome: Passed

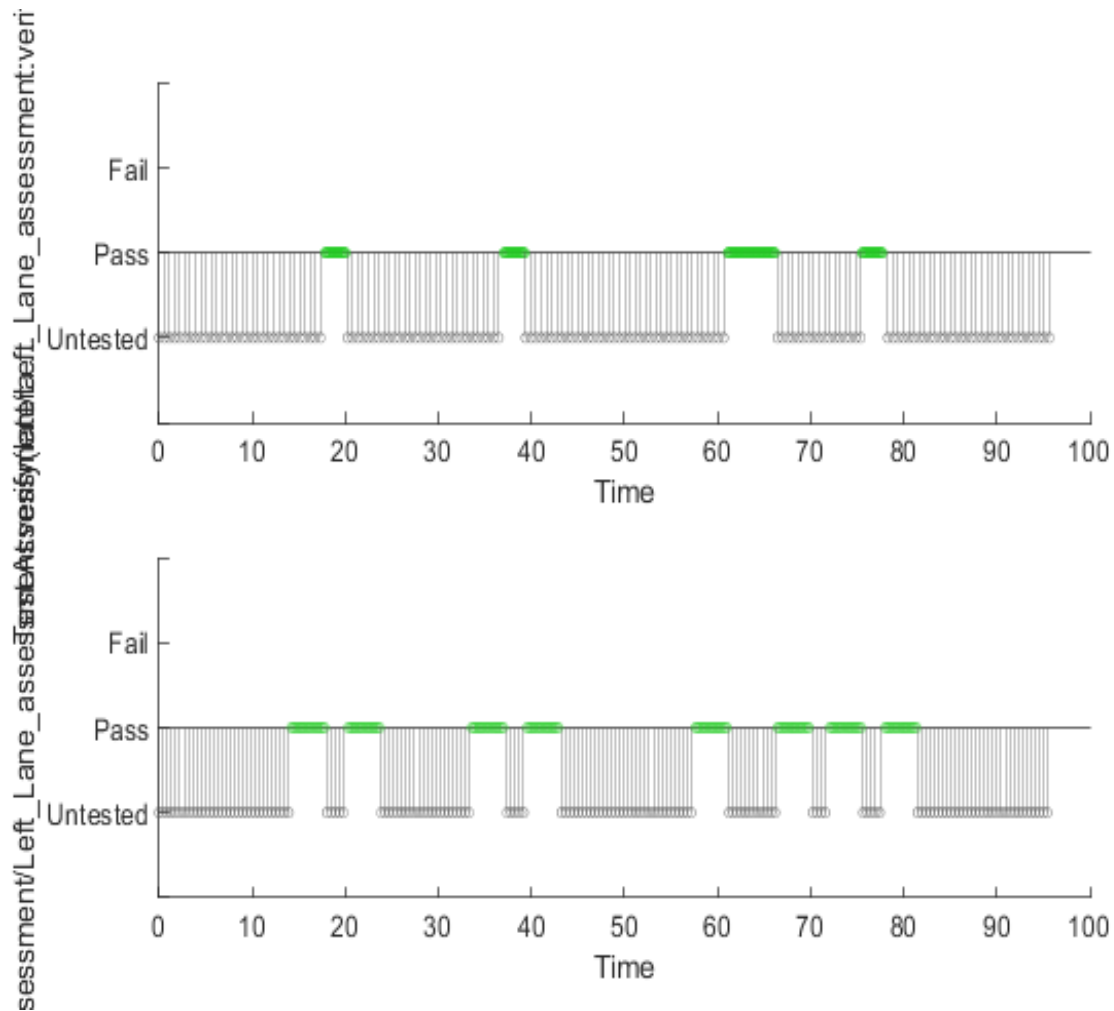
Test Case Information

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

Verify Result

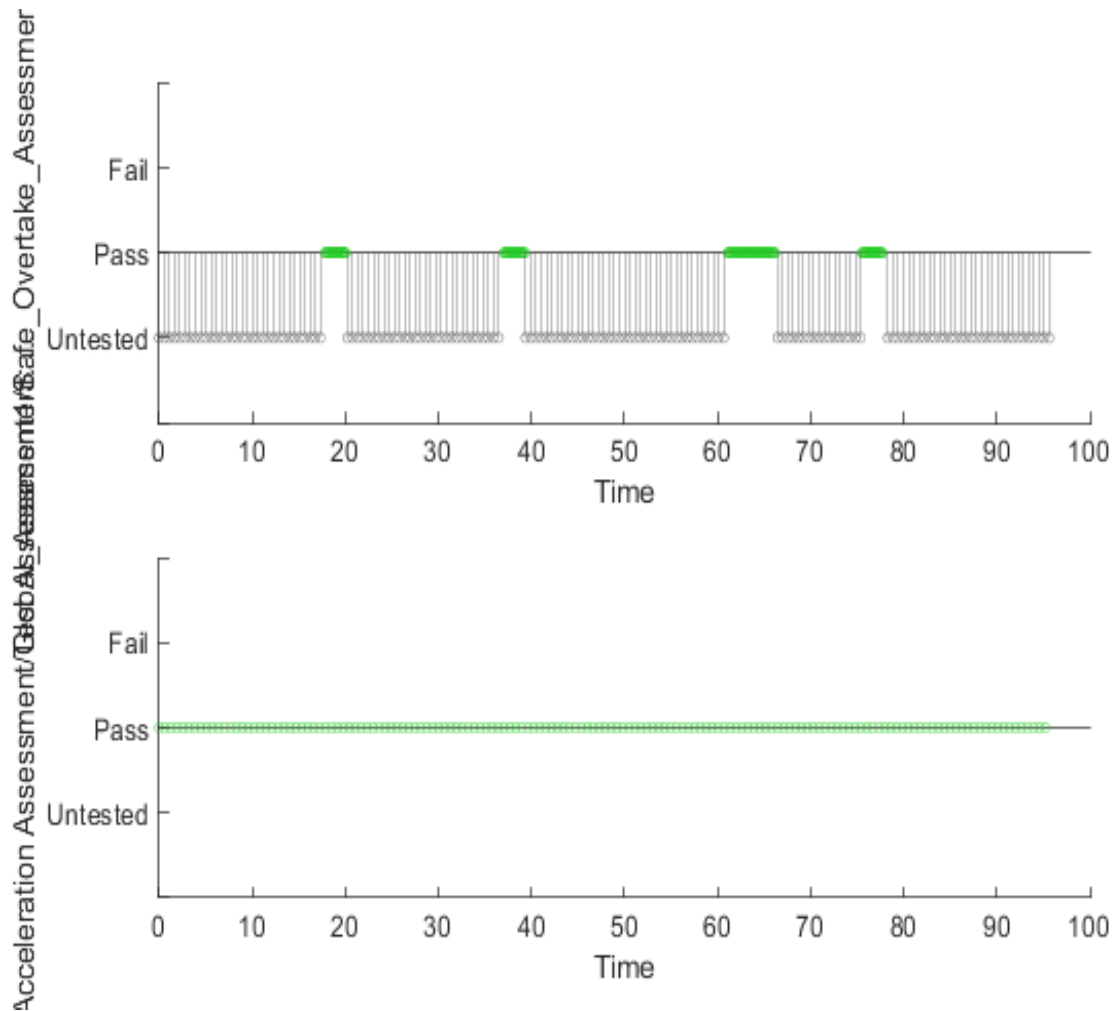
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

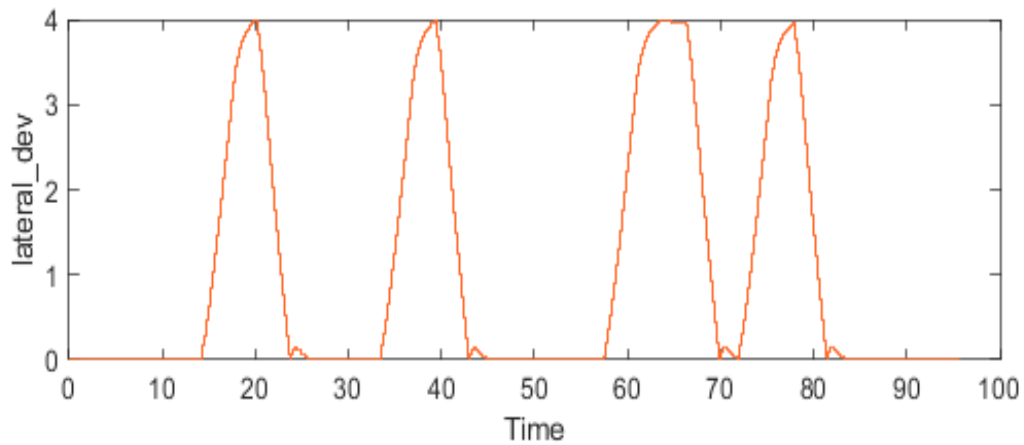
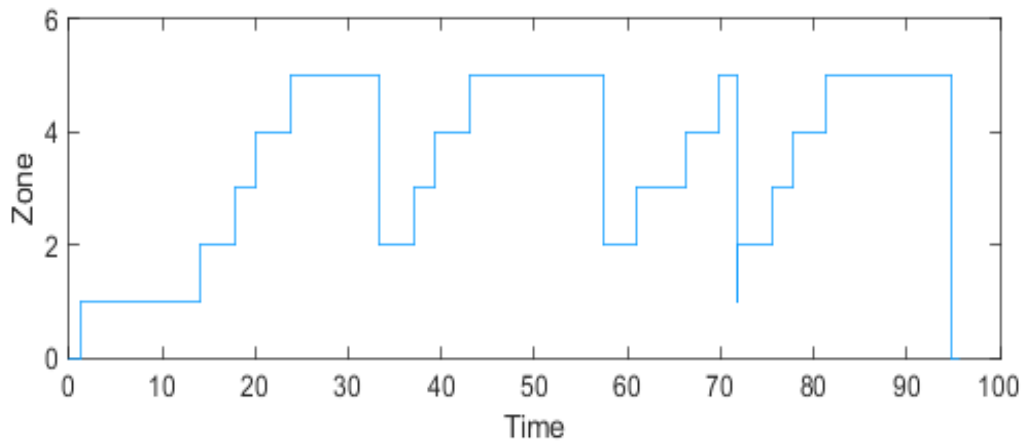
Stop Time:95.77691579916322

Checksum:4196820646 3772958935 1270524365 1968627987

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-45° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:56:03

End Time: 20-May-2021 17:56:27
Outcome: Passed

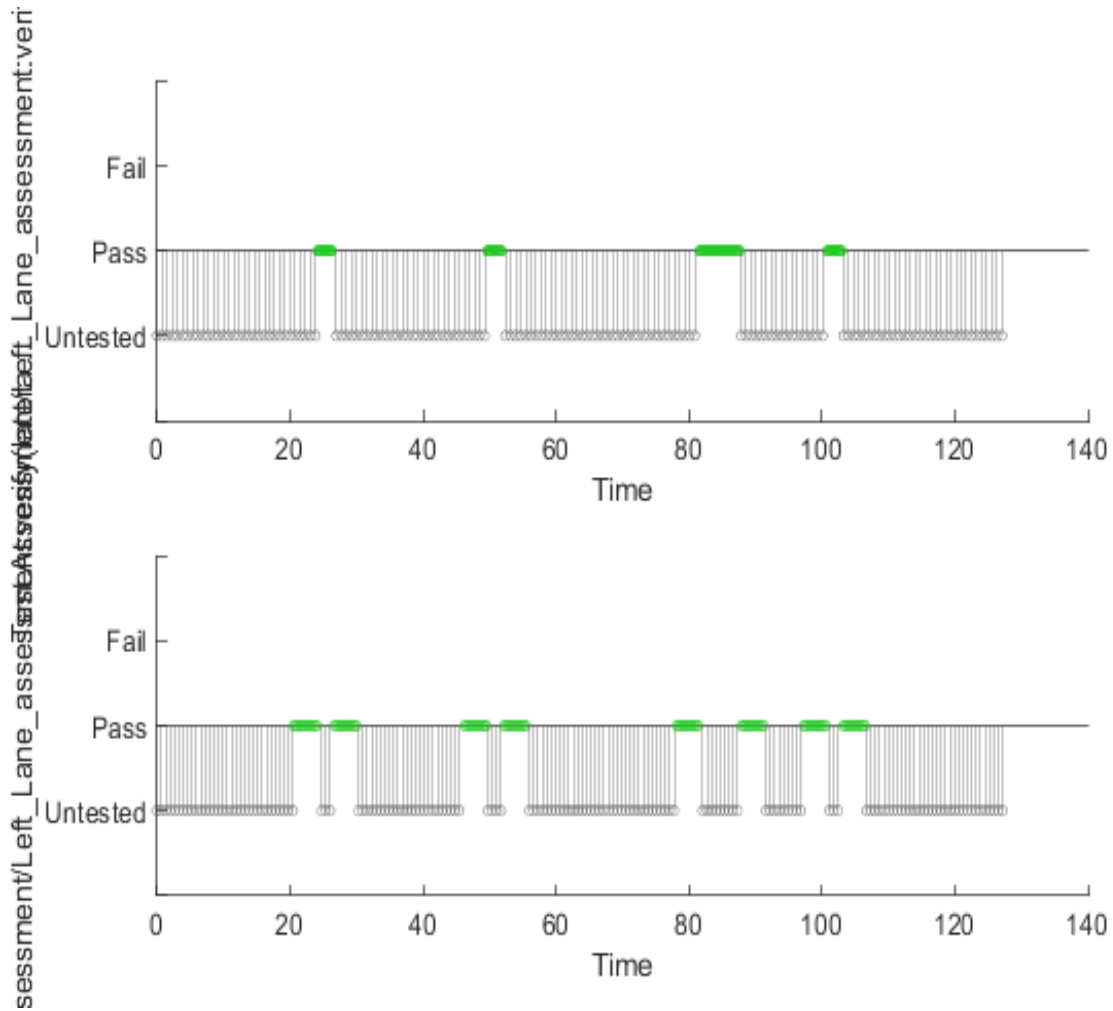
Test Case Information

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

Verify Result

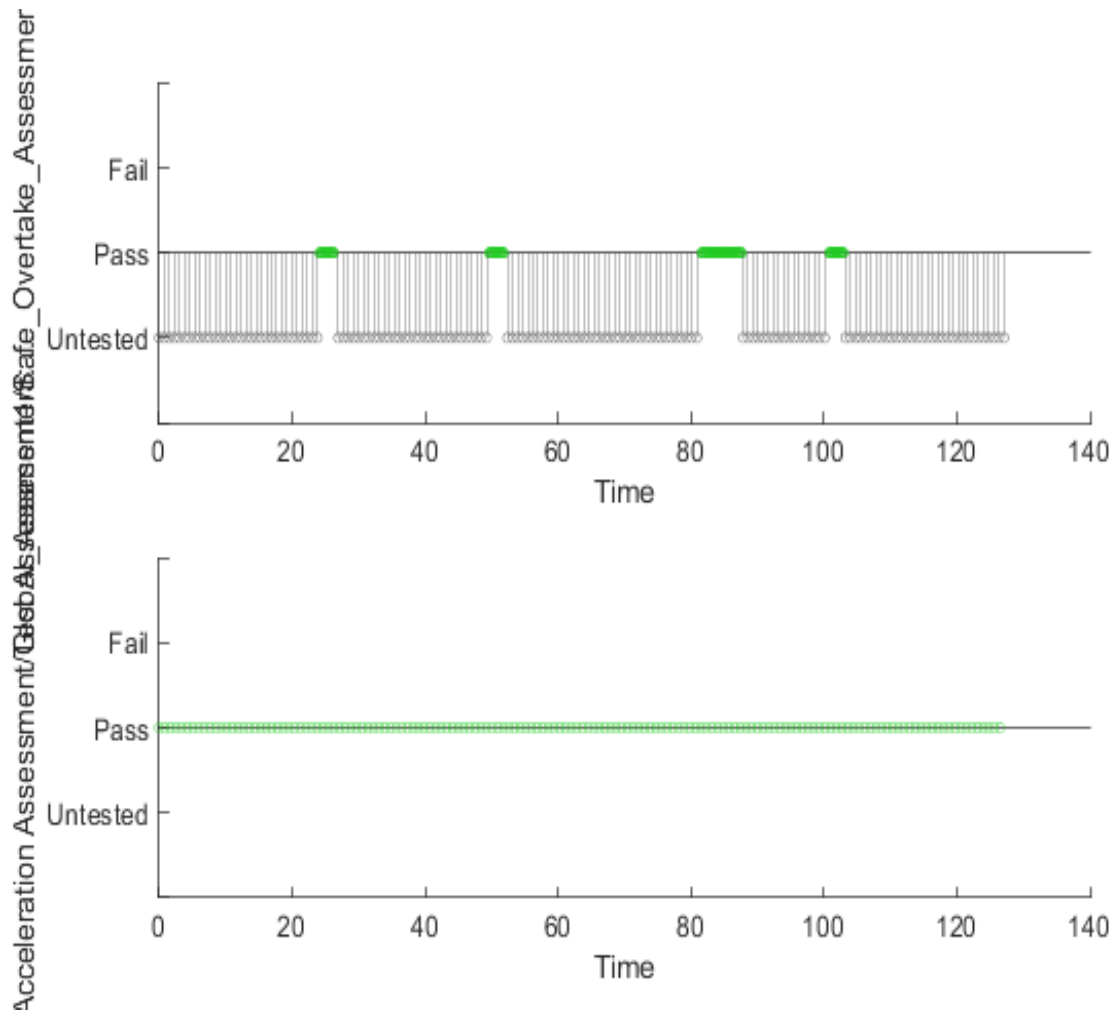
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

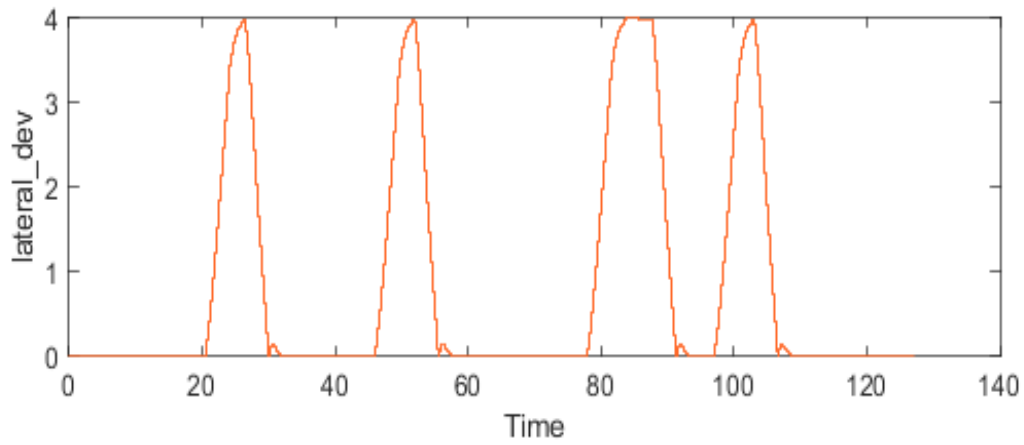
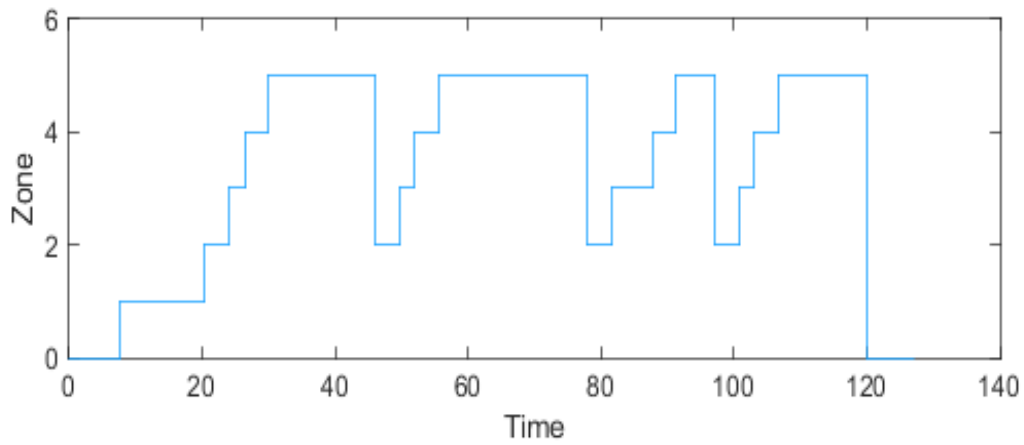
Stop Time:127.27922061357856

Checksum:201998195 2789068623 3833426755 2043383009

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-70° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:56:28

End Time: 20-May-2021 17:57:22
Outcome: Passed

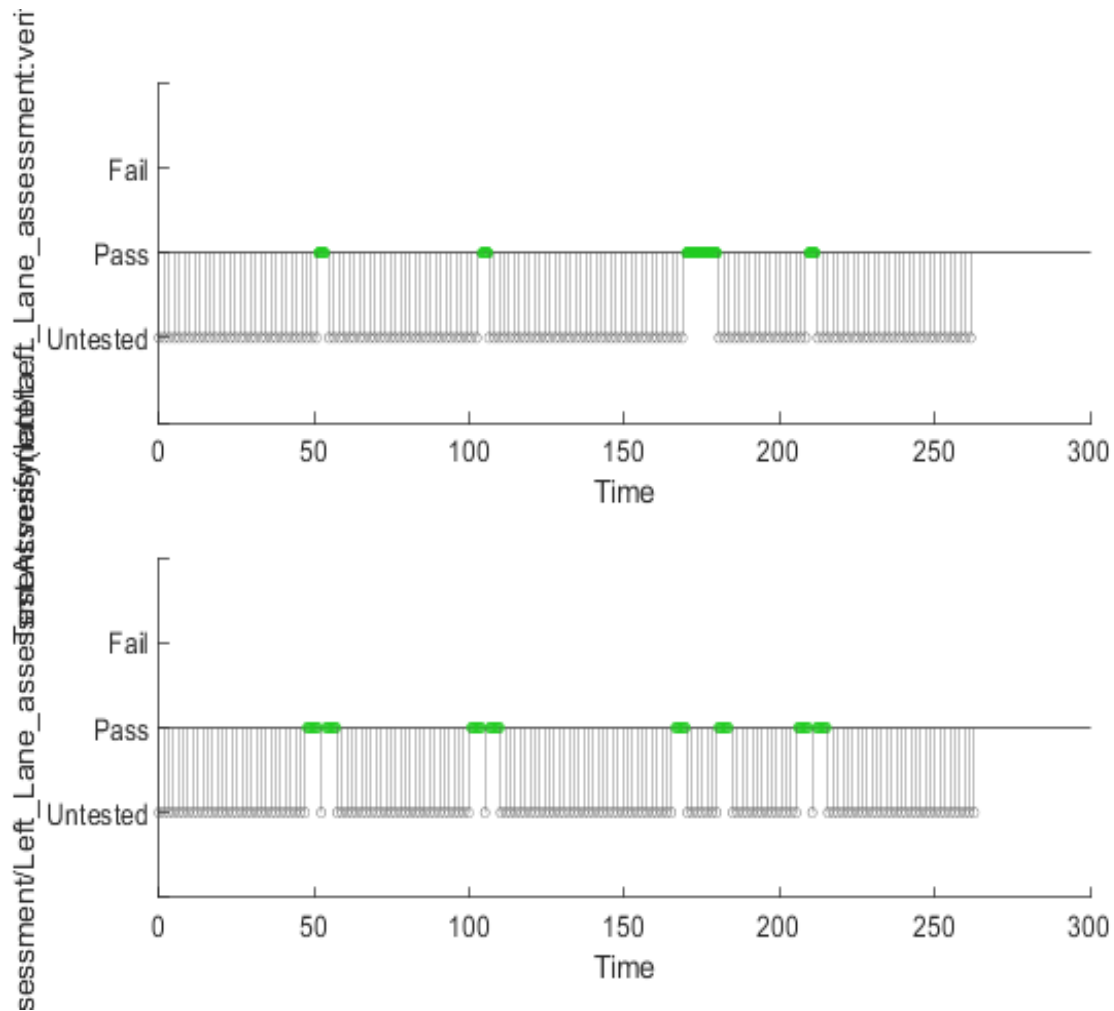
Test Case Information

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

Verify Result

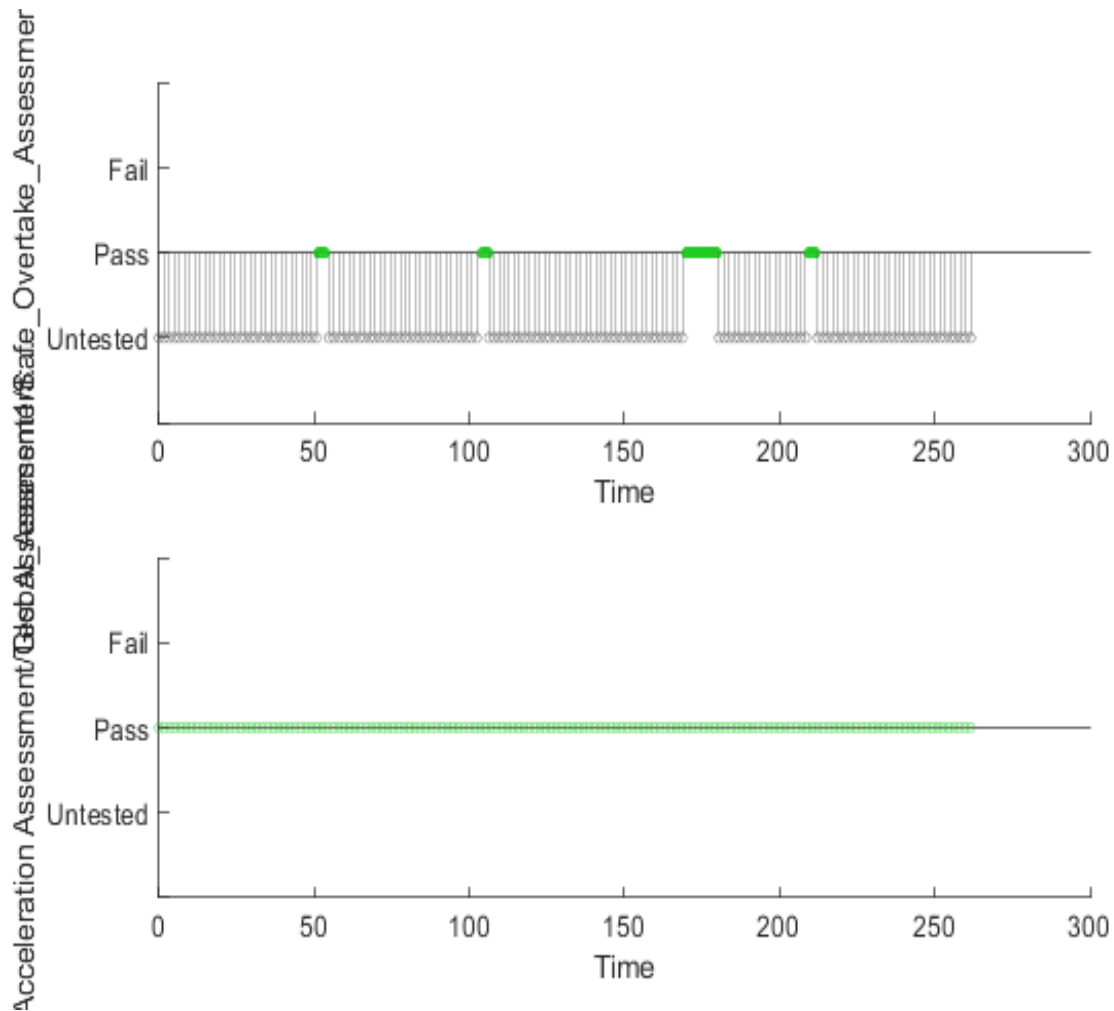
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

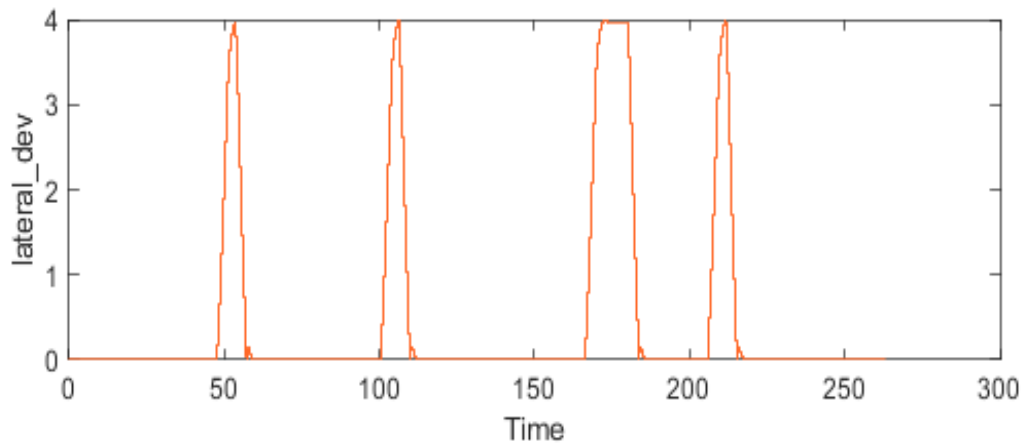
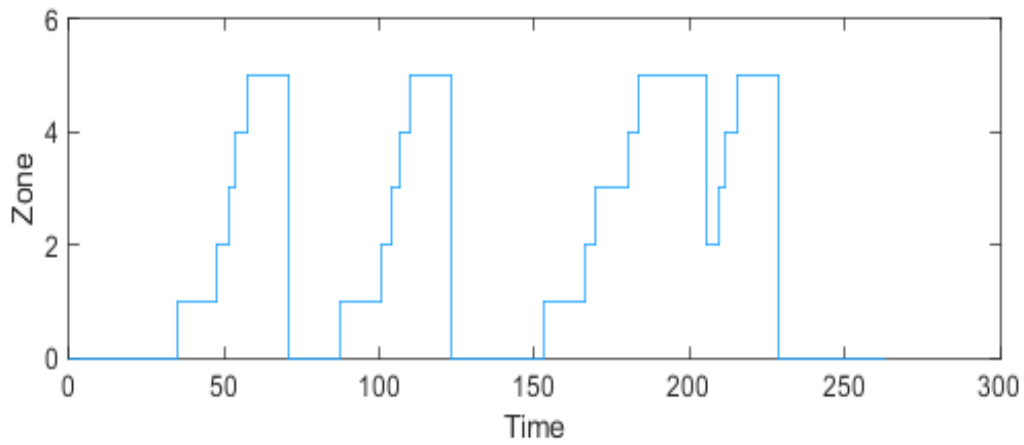
Stop Time:263.10201994663595

Checksum:569516552 2374987020 3556924391 3451645777

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-90° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:57:22

End Time: 20-May-2021 17:57:38
Outcome: Passed

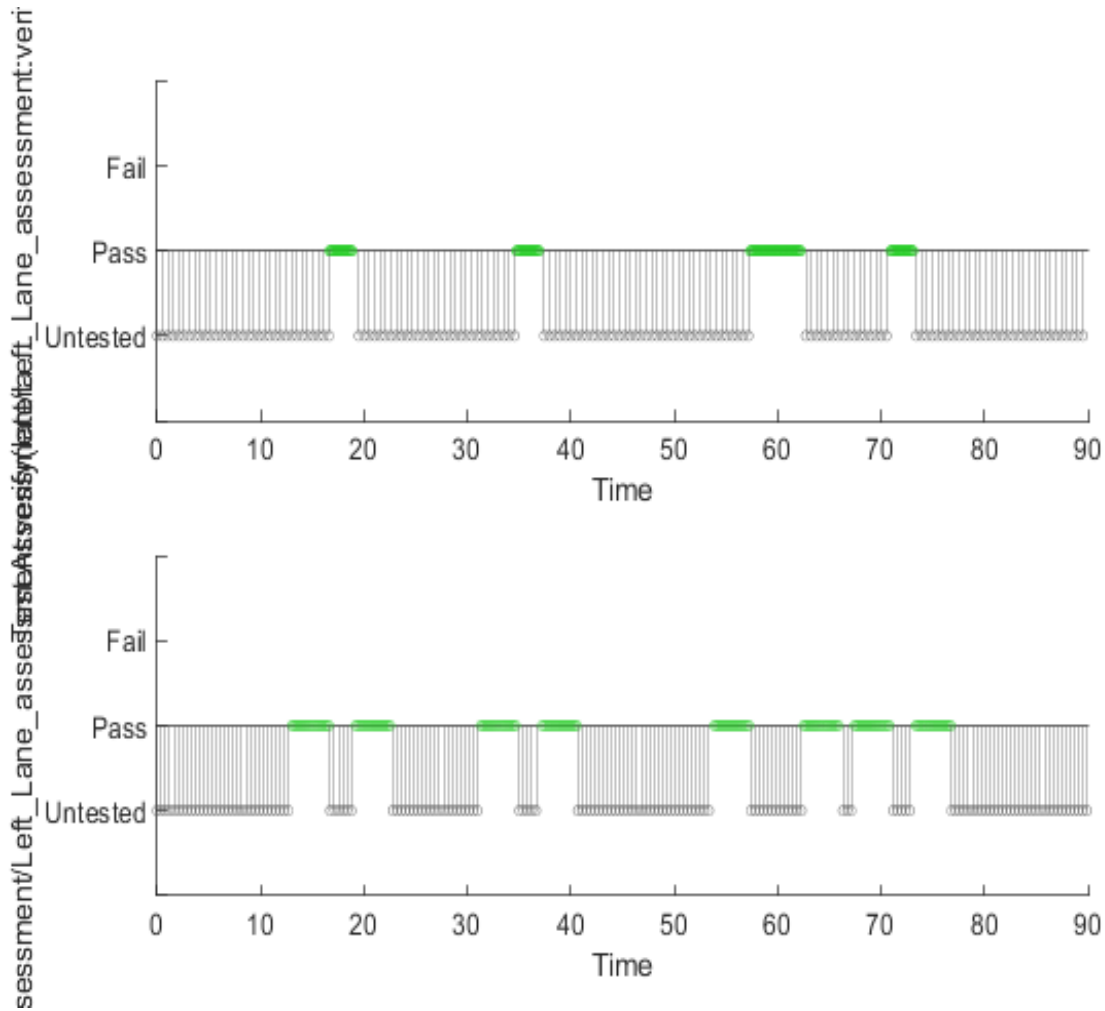
Test Case Information

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

Verify Result

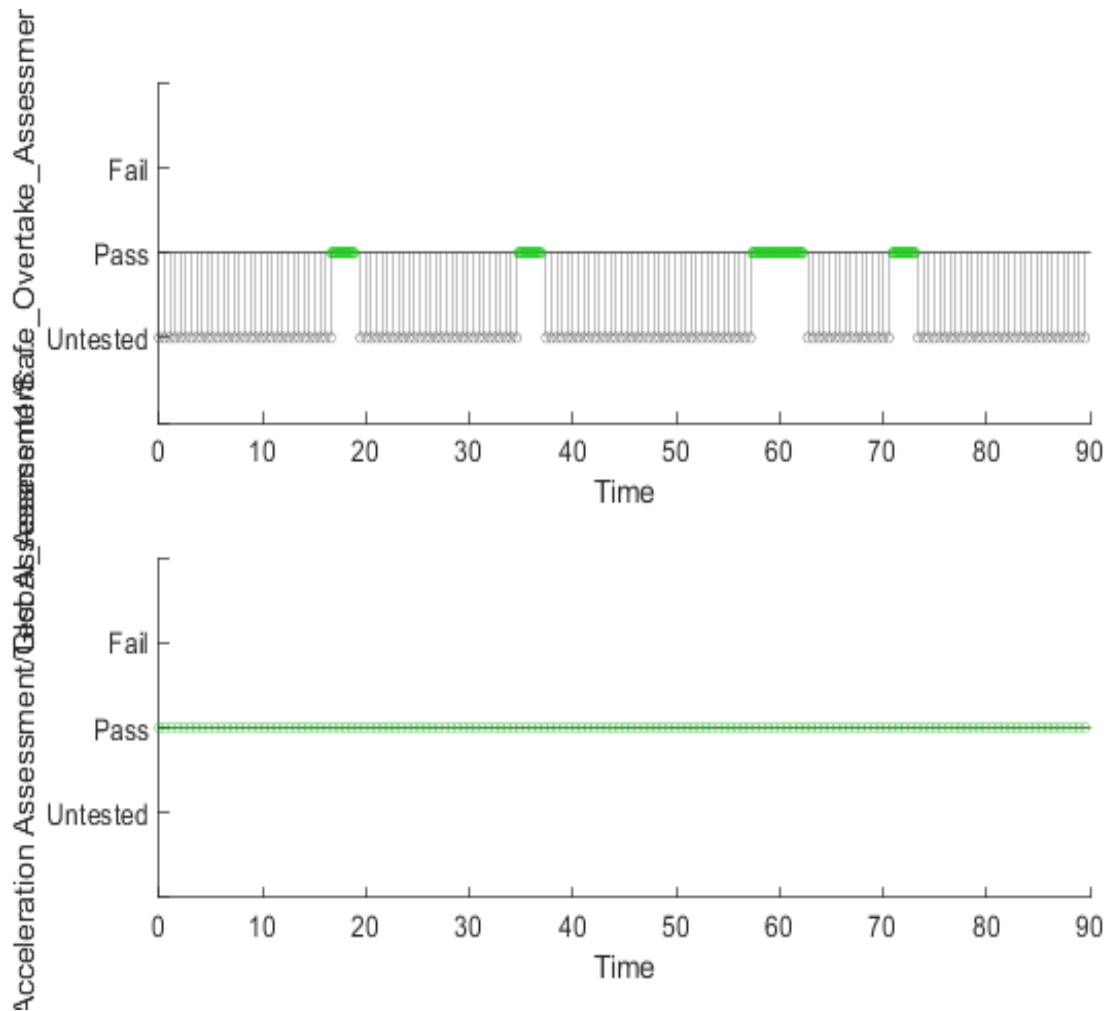
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

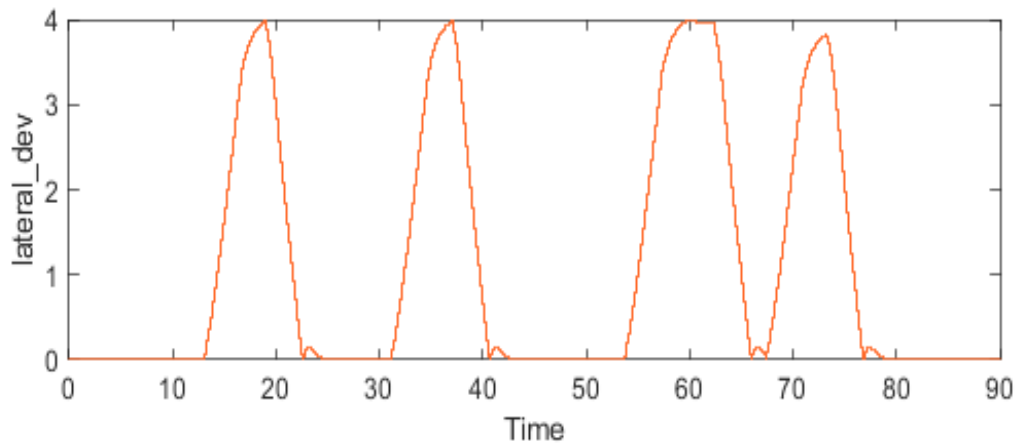
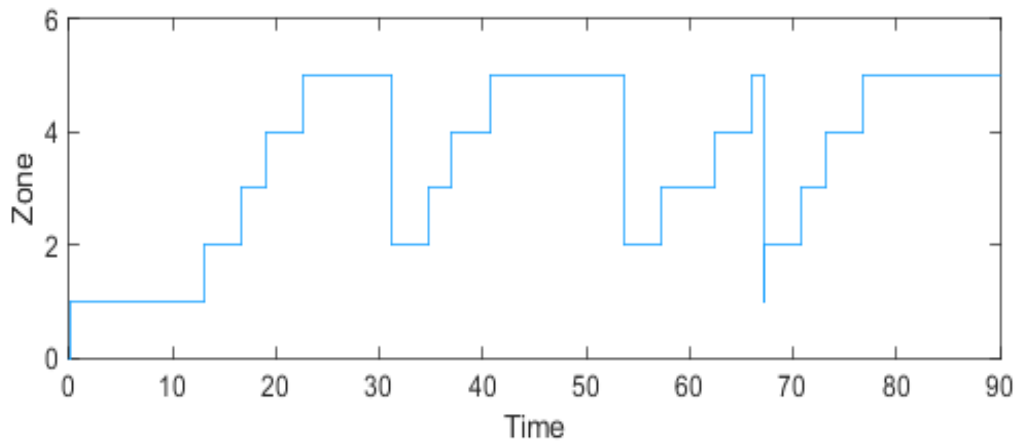
Stop Time:90

Checksum:221274237 434827763 3652454866 4252918695

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-110° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:57:38

End Time: 20-May-2021 17:57:55
Outcome: Passed

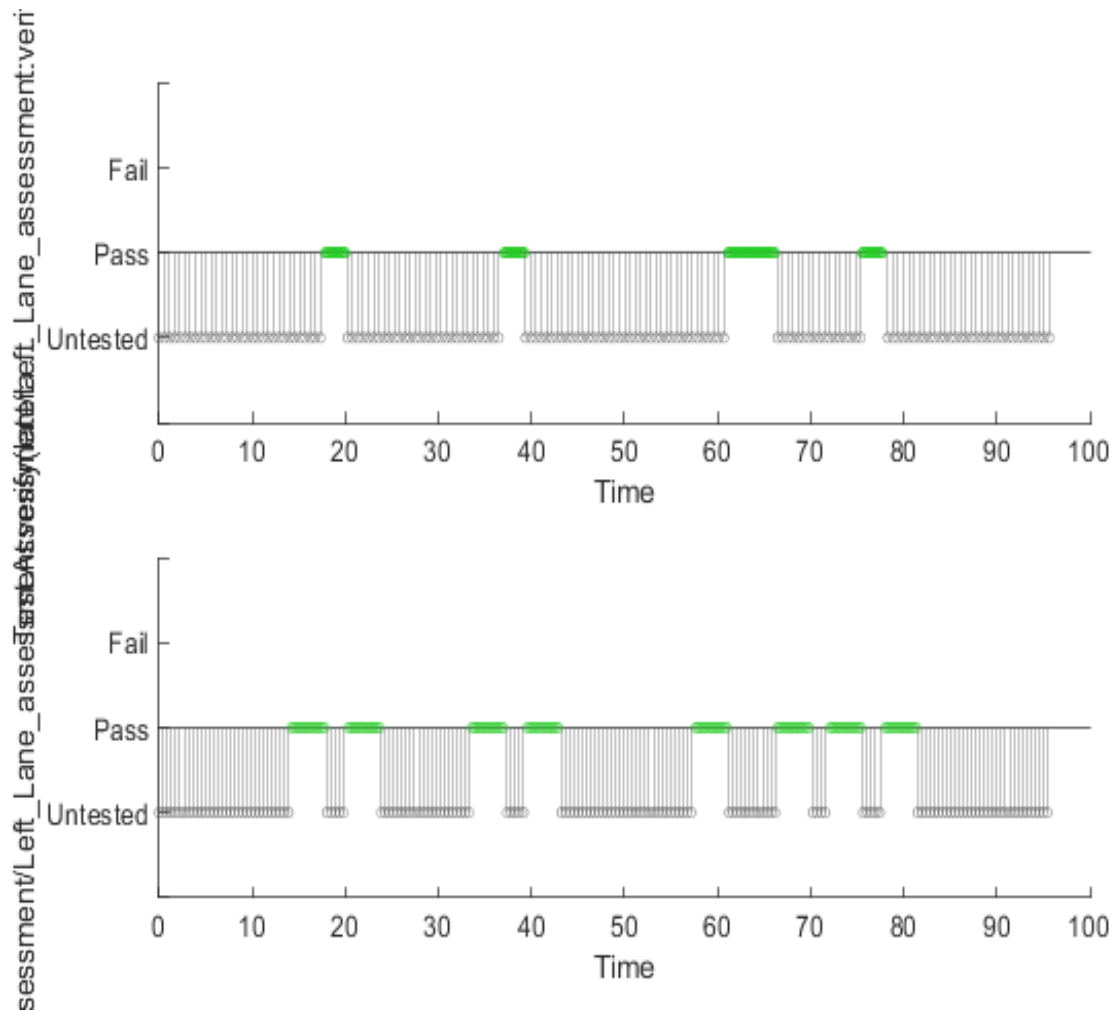
Test Case Information

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

Verify Result

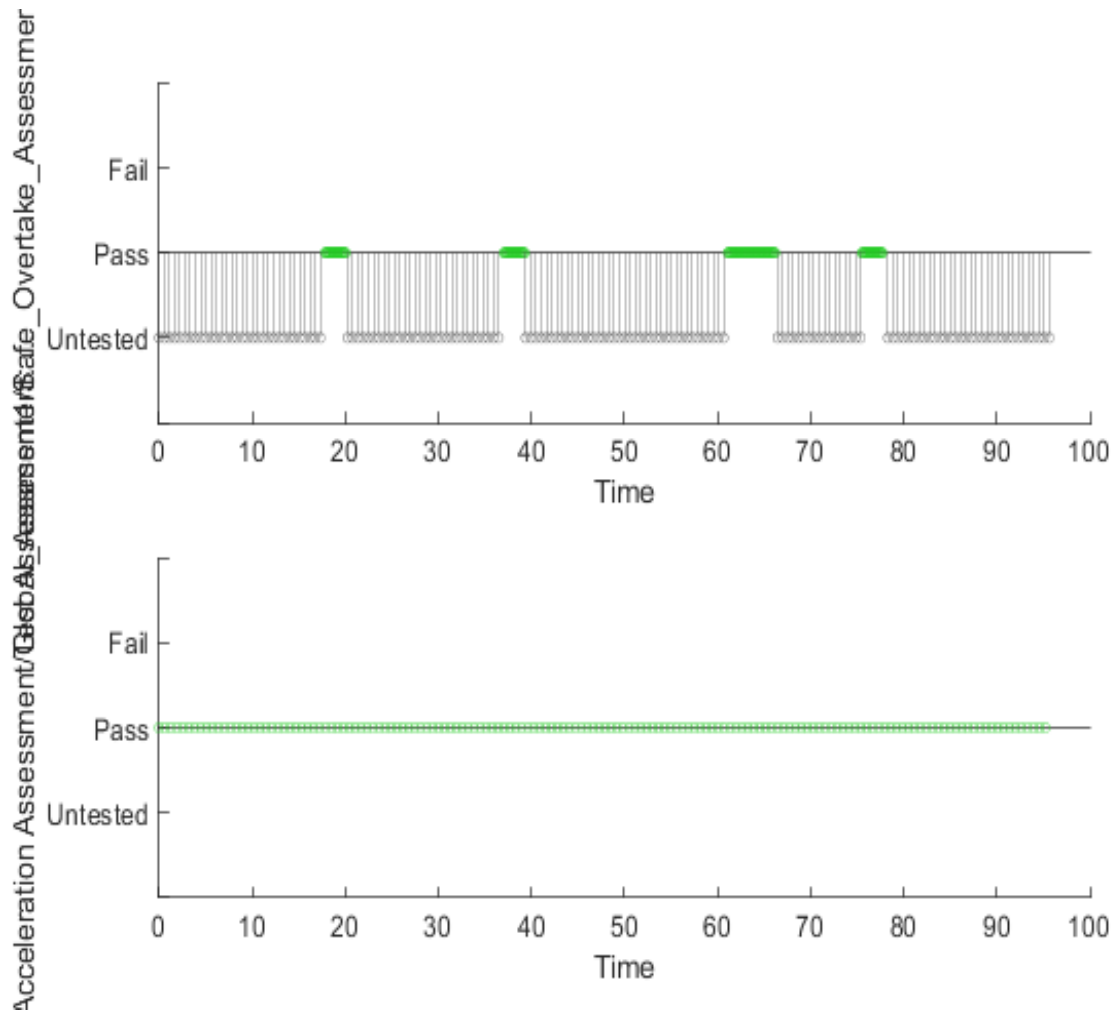
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

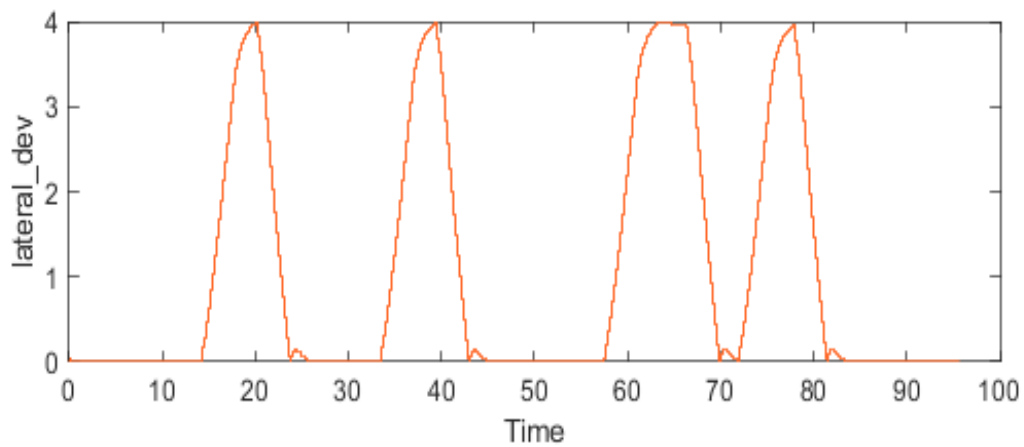
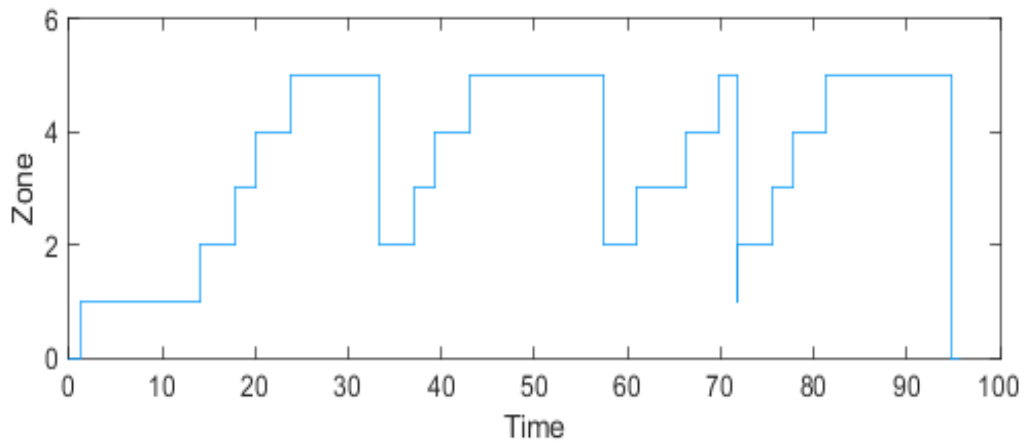
Stop Time:95.77691579916322

Checksum:4196820646 3772958935 1270524365 1968627987

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-135° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:57:55

End Time: 20-May-2021 17:58:19
Outcome: Passed

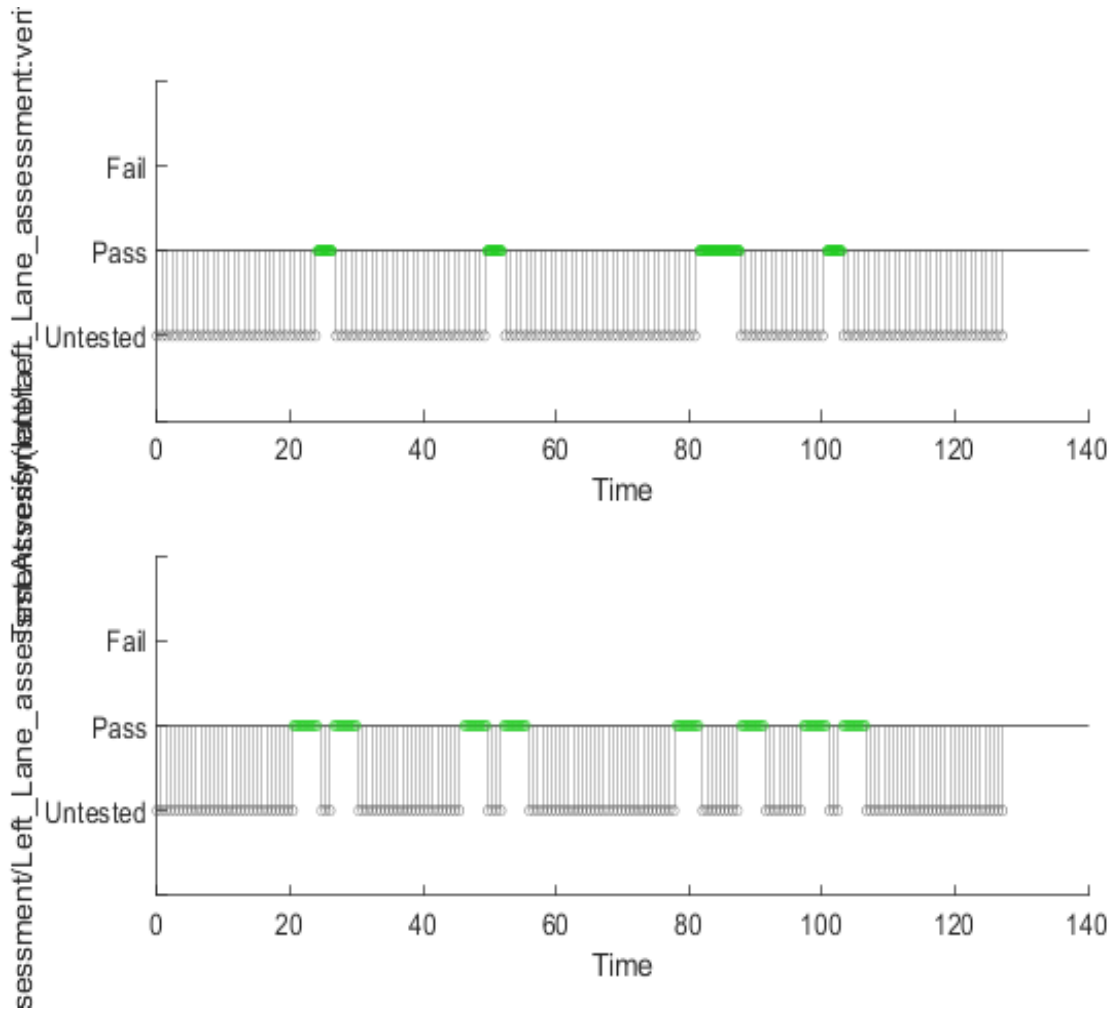
Test Case Information

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

Verify Result

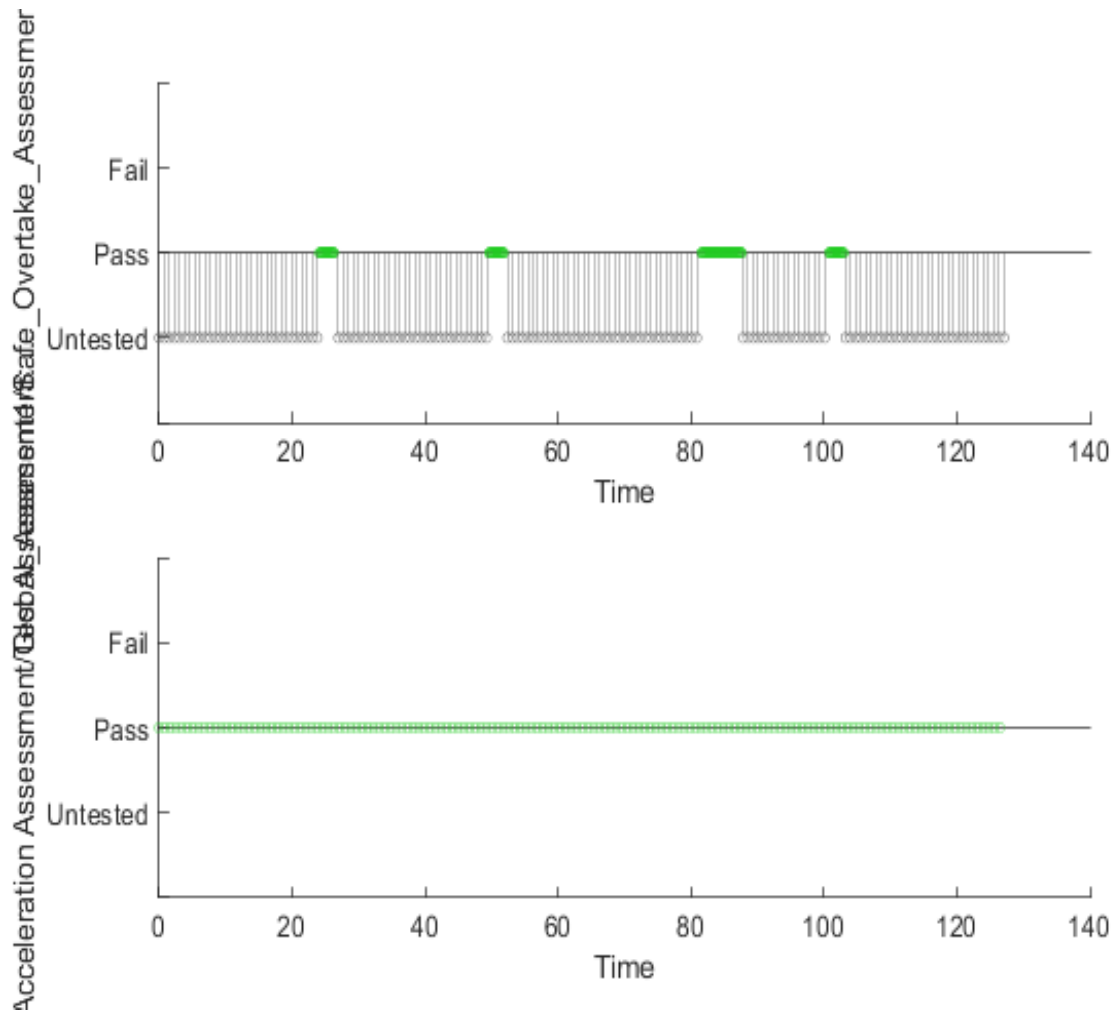
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

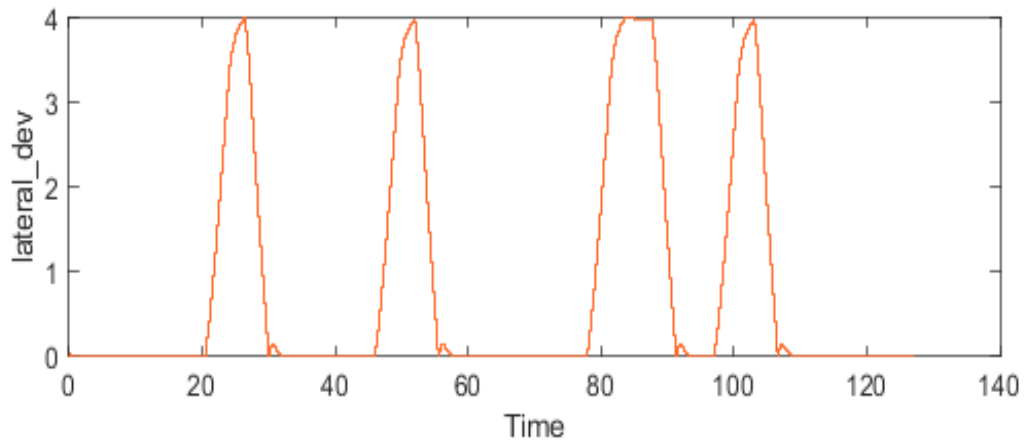
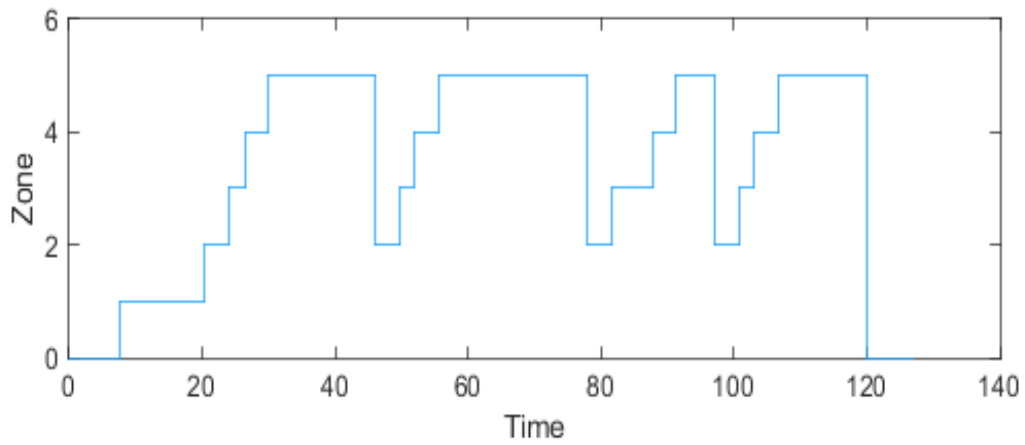
Stop Time:127.27922061357856

Checksum:201998195 2789068623 3833426755 2043383009

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



[Back to Report Summary](#)[Back to Signal Summary](#)

-160° 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 17:58:19

End Time: 20-May-2021 17:59:14
Outcome: Passed

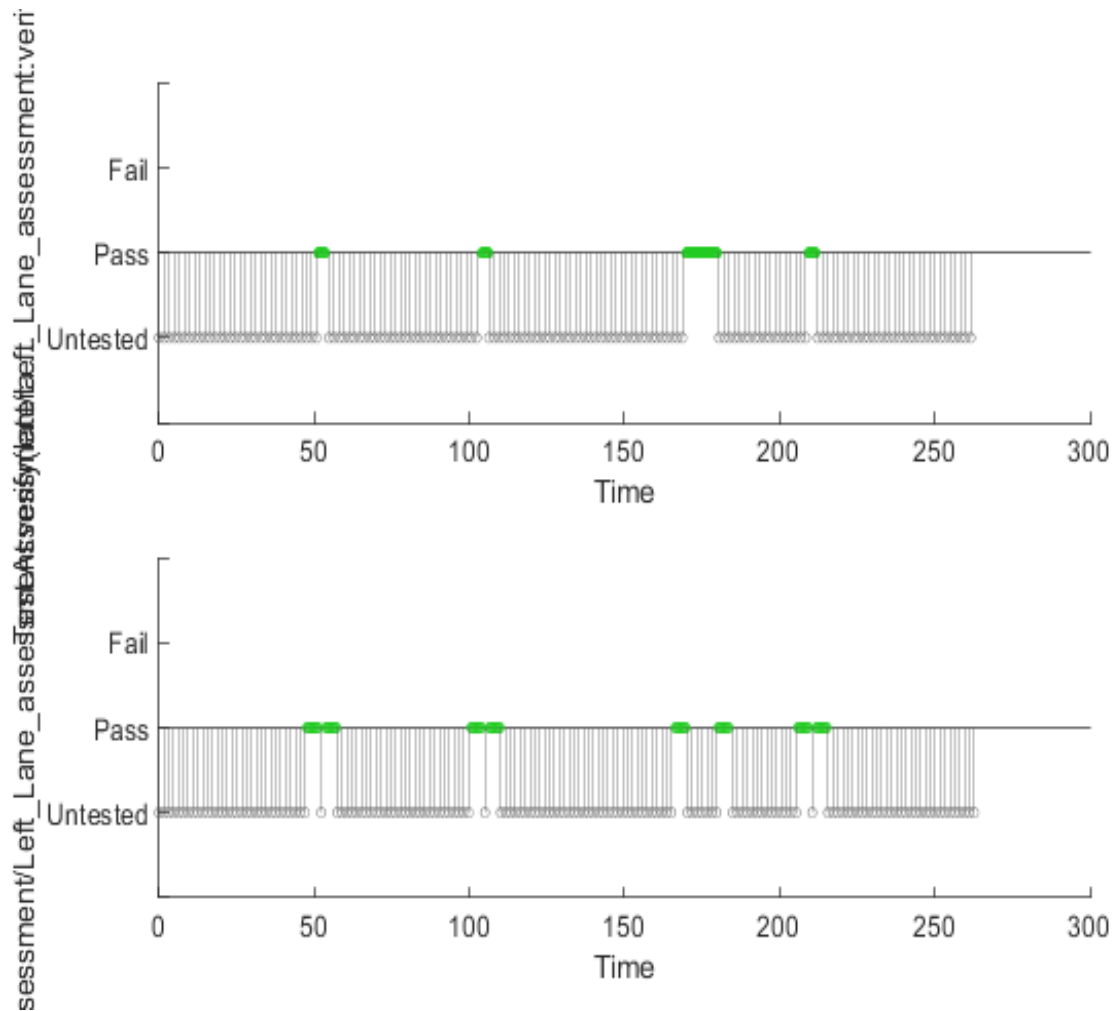
Test Case Information

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

Verify Result

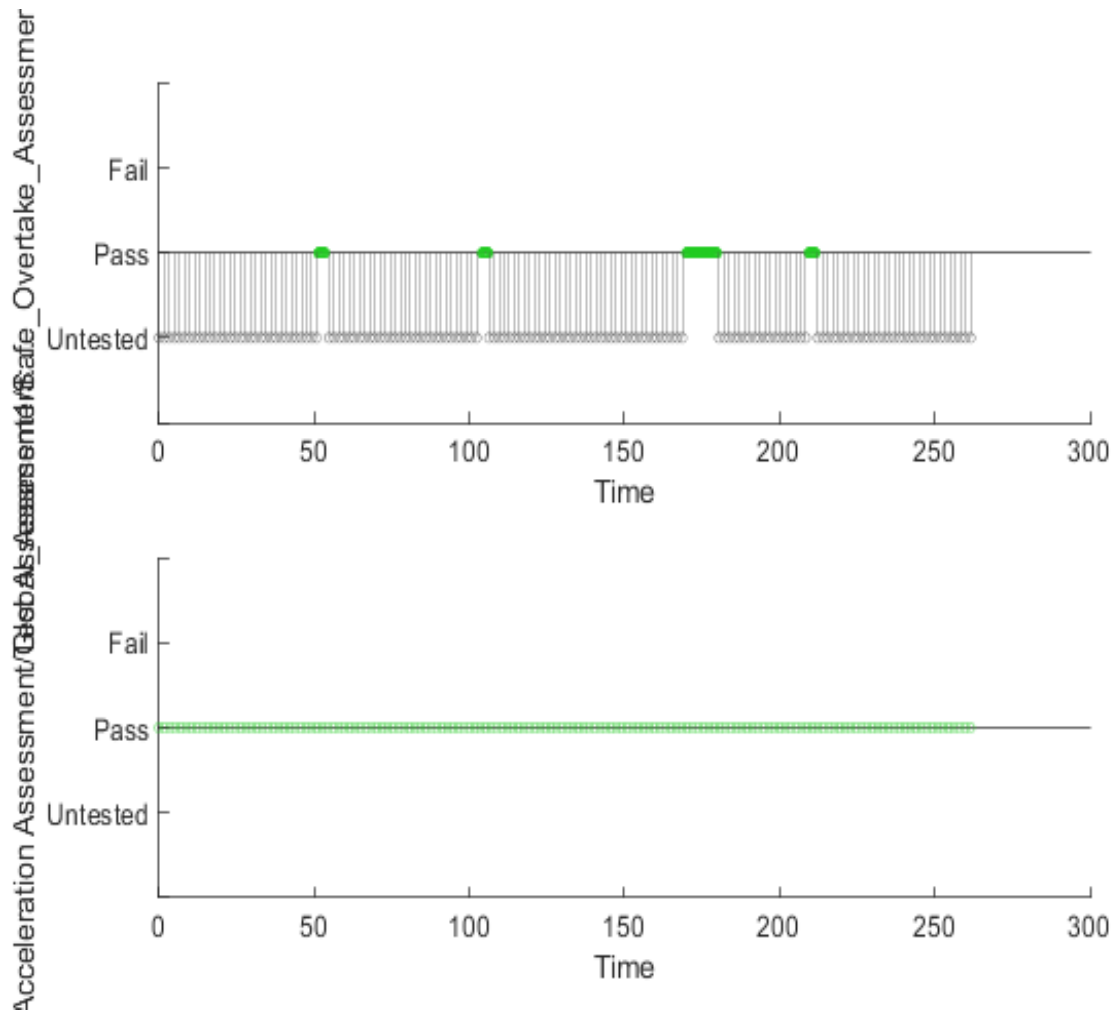
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

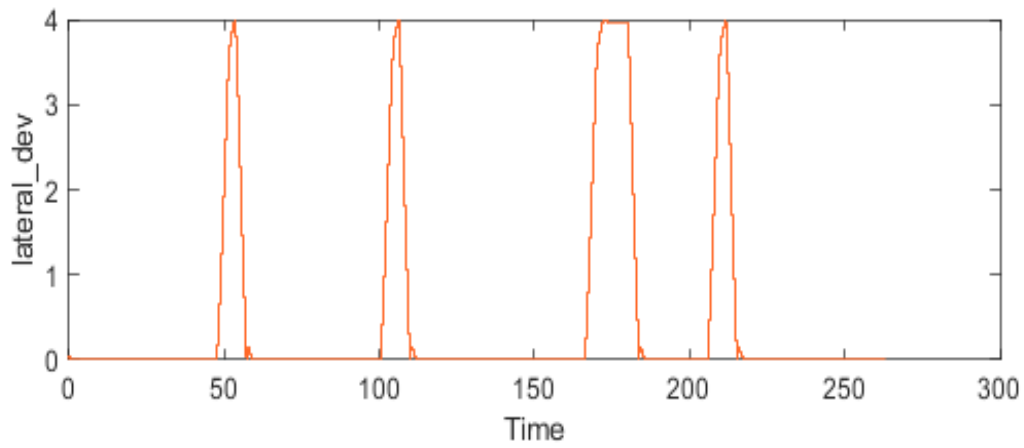
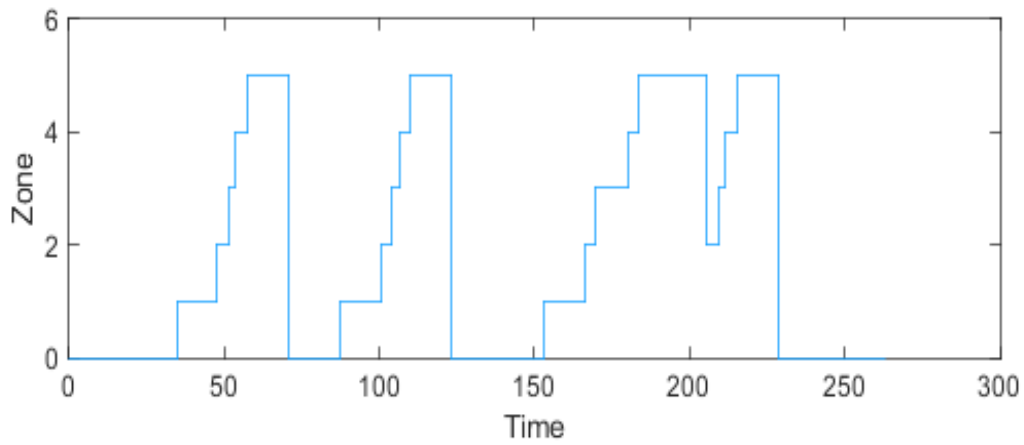
Stop Time:263.10201994663595

Checksum:569516552 2374987020 3556924391 3451645777

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



[Back to Report Summary](#)[Back to Signal Summary](#)

1000m curvature clockwise 40km/h

Test Result Information

Result Type:	Test Case Result
Parent:	Multiple static obstacle 40km/h
Start Time:	20-May-2021 17:59:14

End Time: 20-May-2021 18:01:07
Outcome: Passed

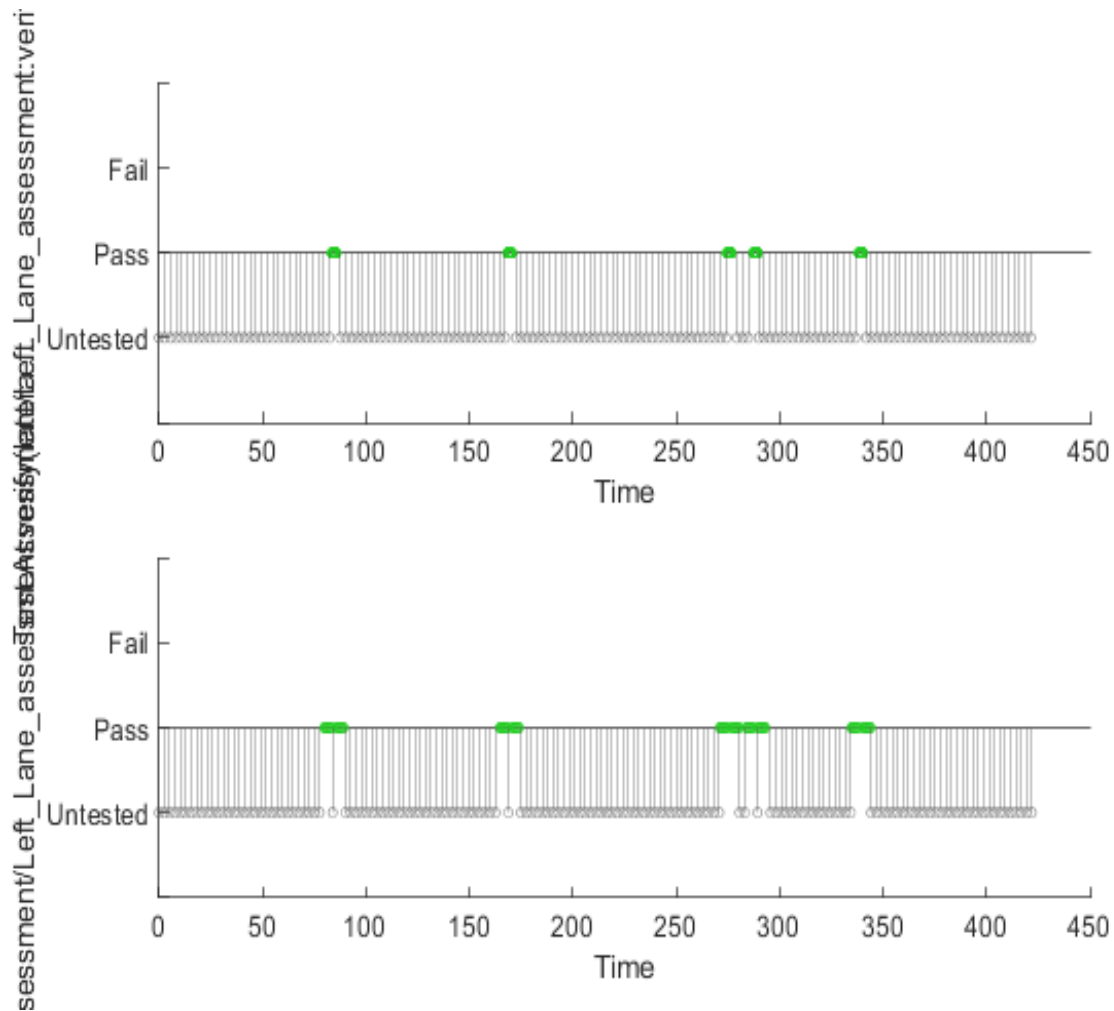
Test Case Information

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

Verify Result

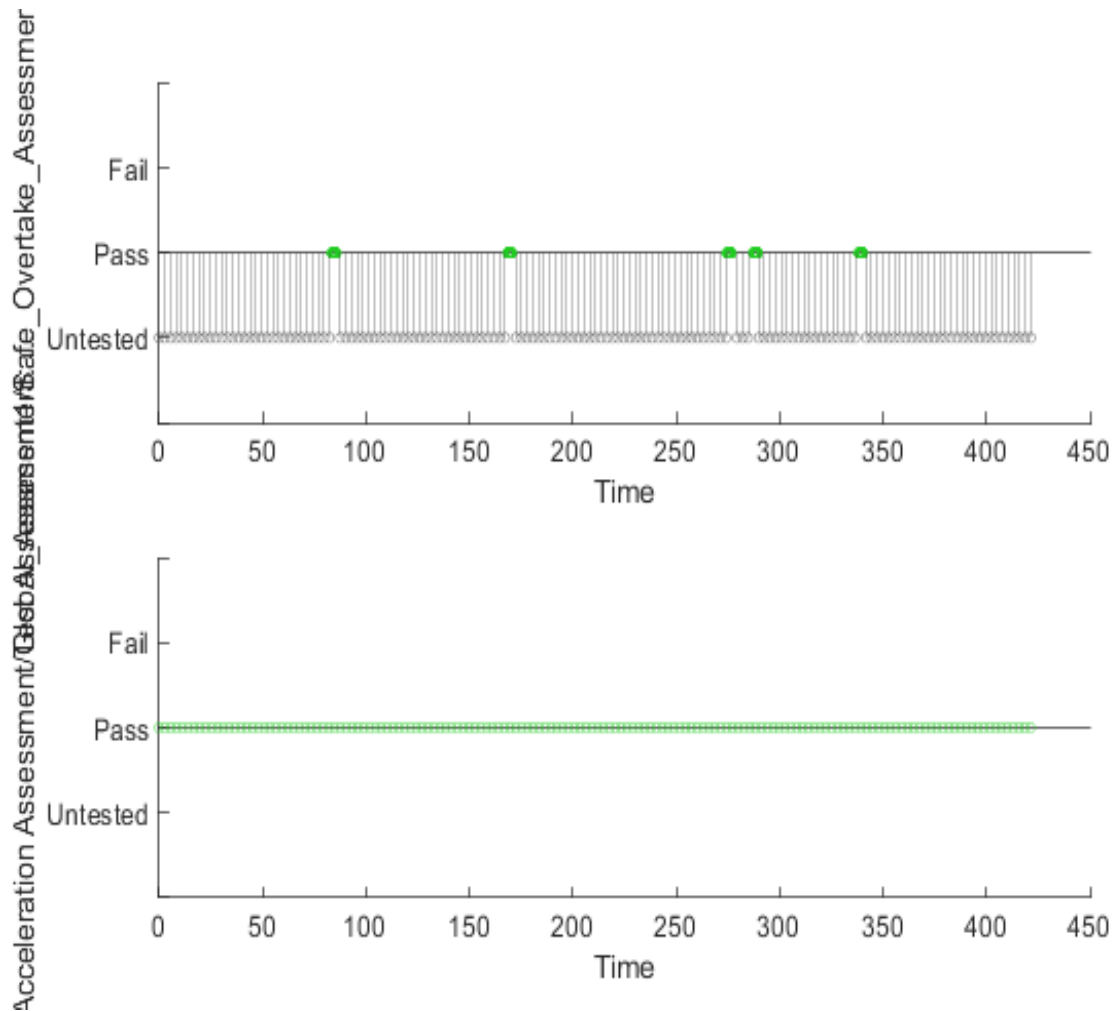
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

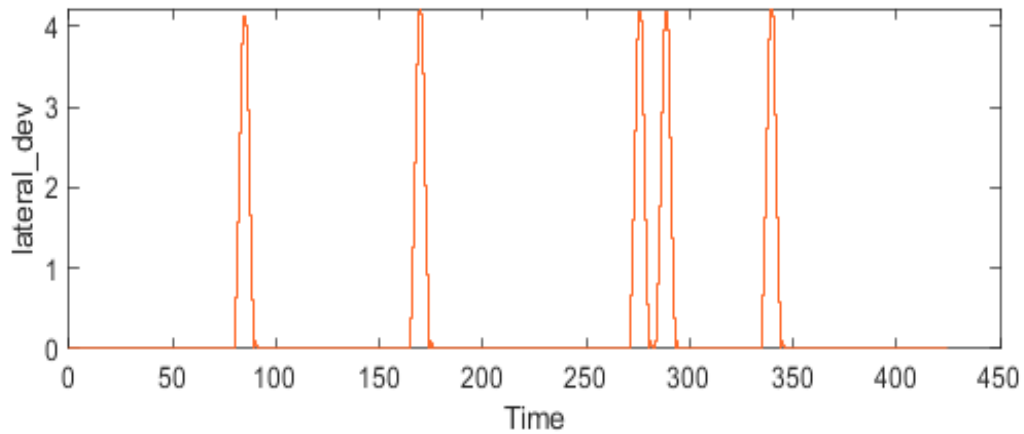
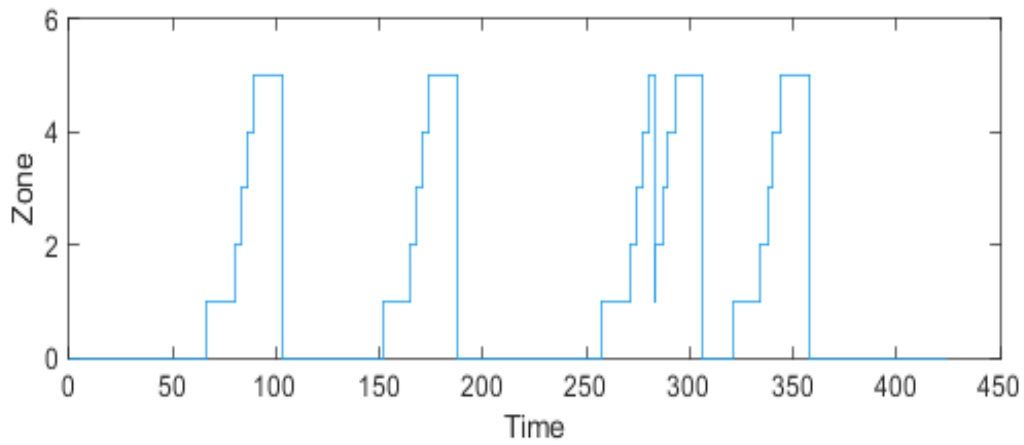
Stop Time:424.119999999998471

Checksum:3025545306 1024787769 799283548 1820997446

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



[Back to Report Summary](#)[Back to Signal Summary](#)

500m curvature clockwise 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)
Start Time: 20-May-2021 18:01:07

End Time: 20-May-2021 18:01:56
Outcome: Passed

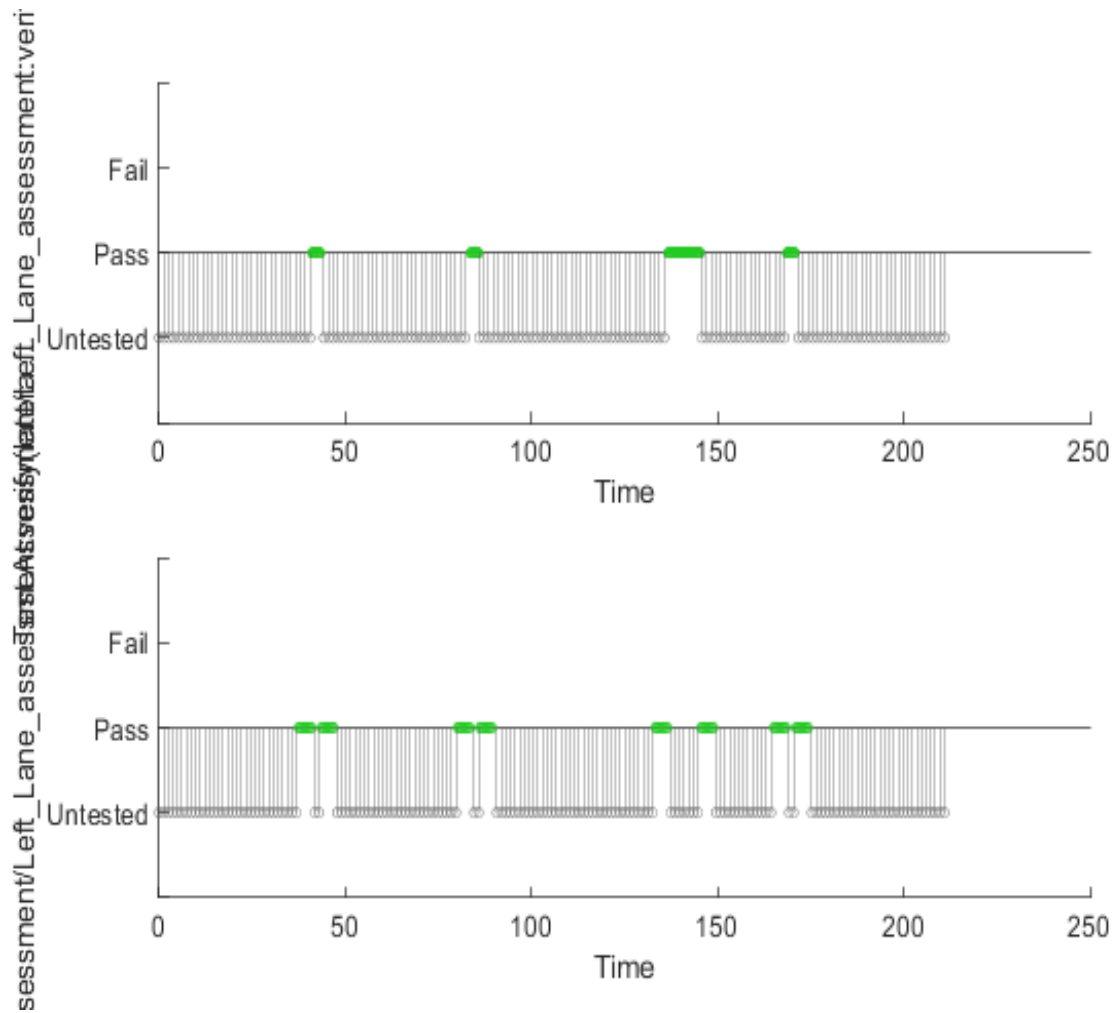
Test Case Information

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

Verify Result

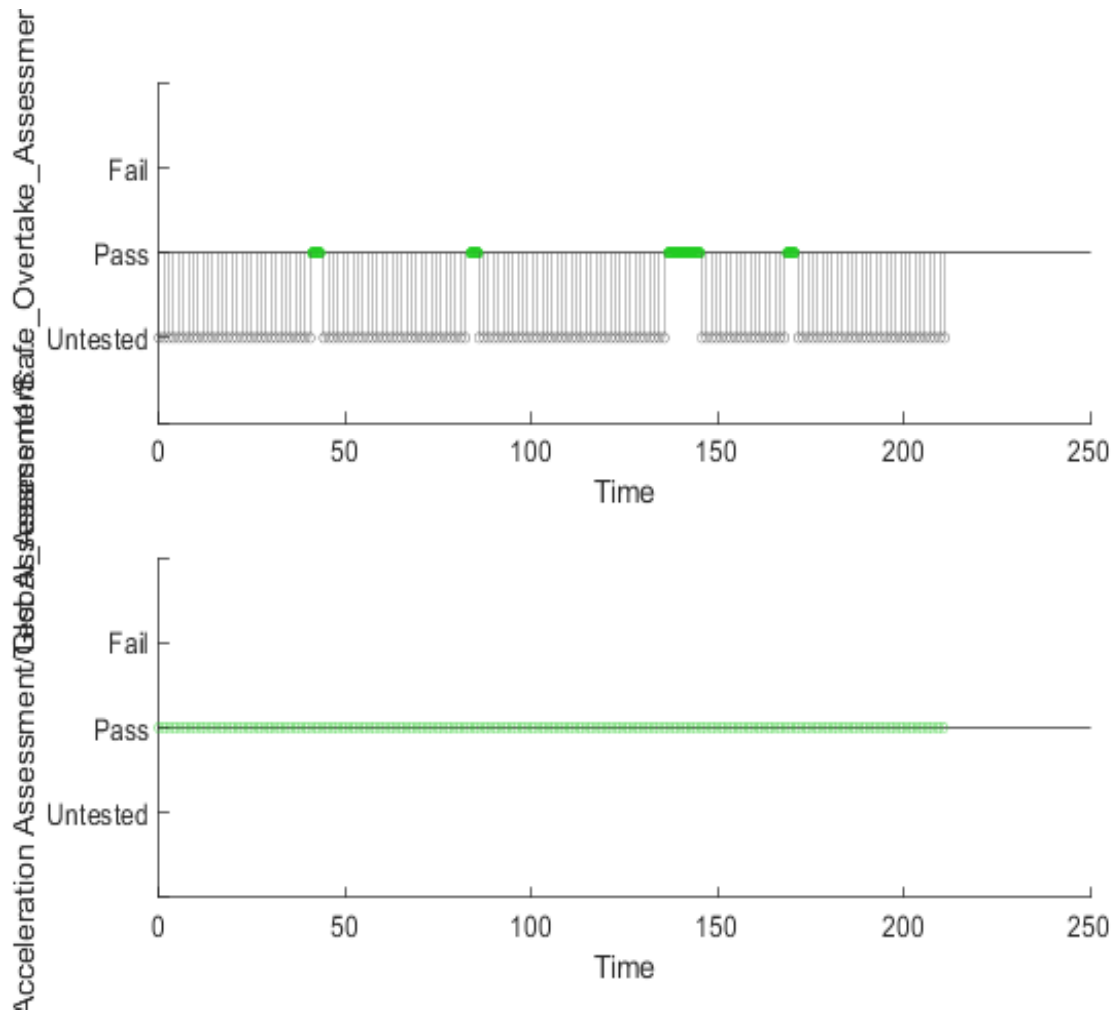
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

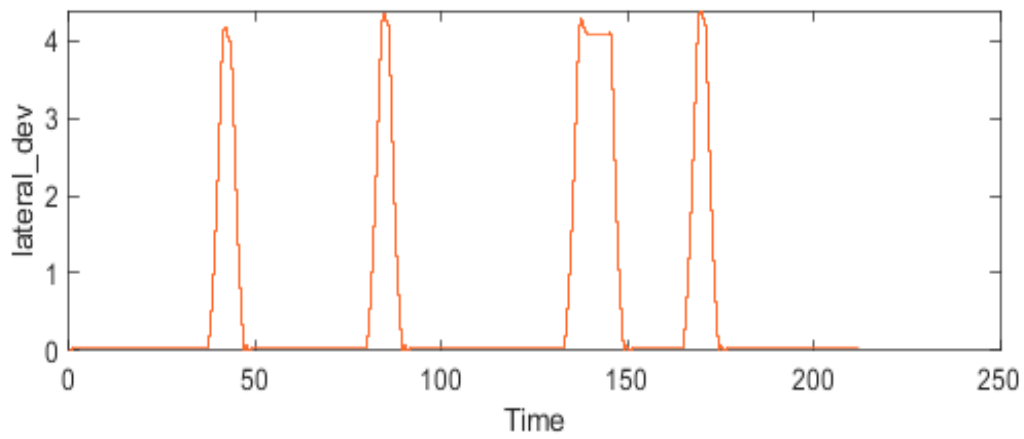
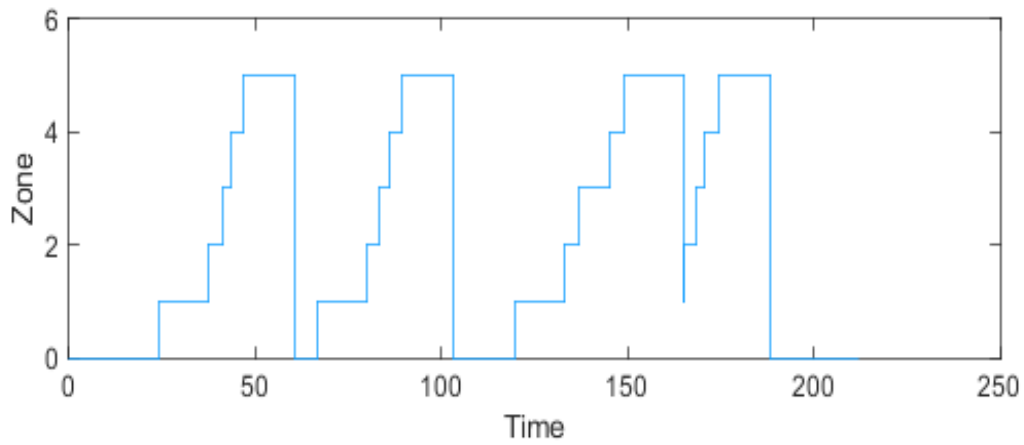
Stop Time:212.05999999999636

Checksum:678885999 2262953614 2352204718 2636506683

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



[Back to Report Summary](#)[Back to Signal Summary](#)

300m curvature clockwise 40km/h

Test Result Information

Result Type: Test Case Result
 Parent: [Multiple static obstacle 40km/h](#)
 Start Time: 20-May-2021 18:01:56

End Time: 20-May-2021 18:02:27
Outcome: Passed

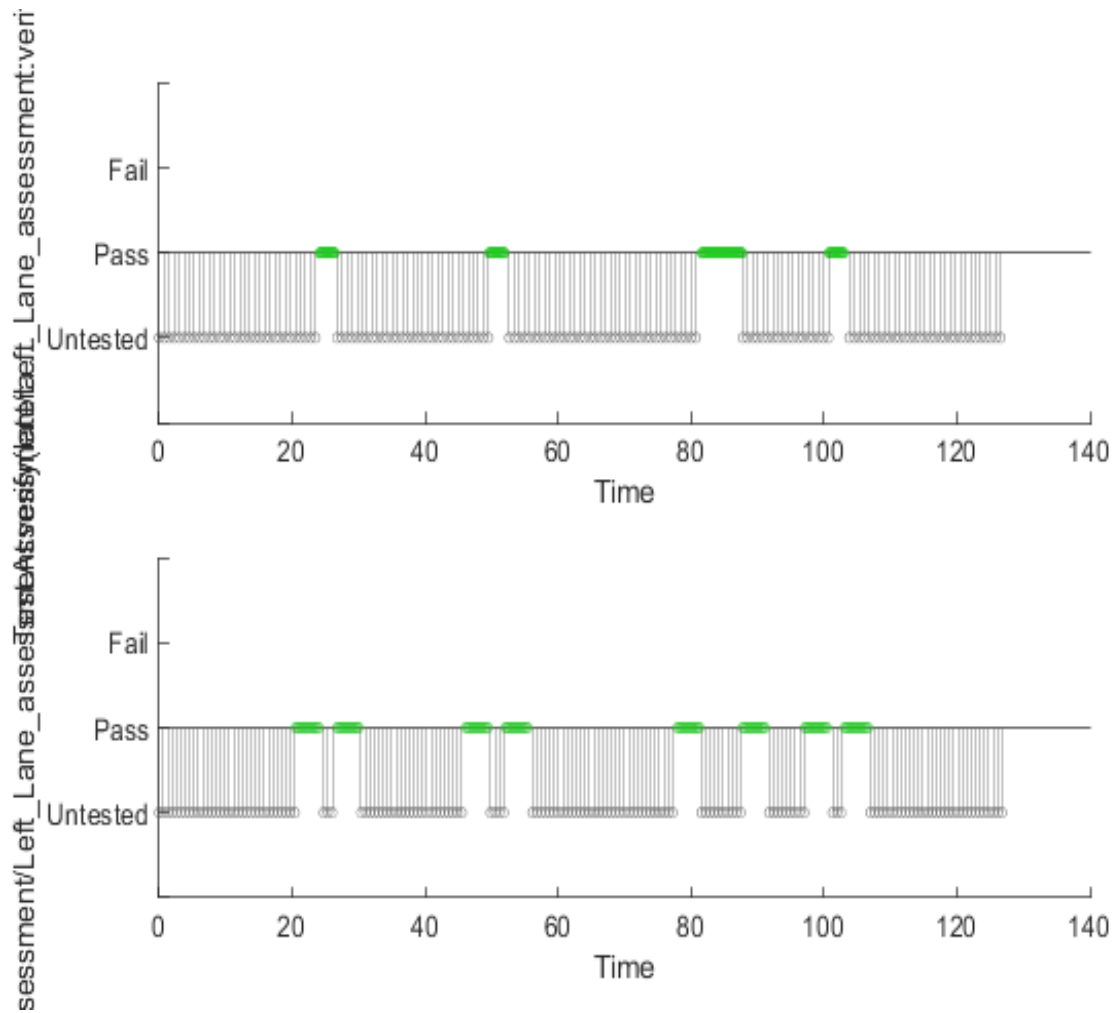
Test Case Information

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

Verify Result

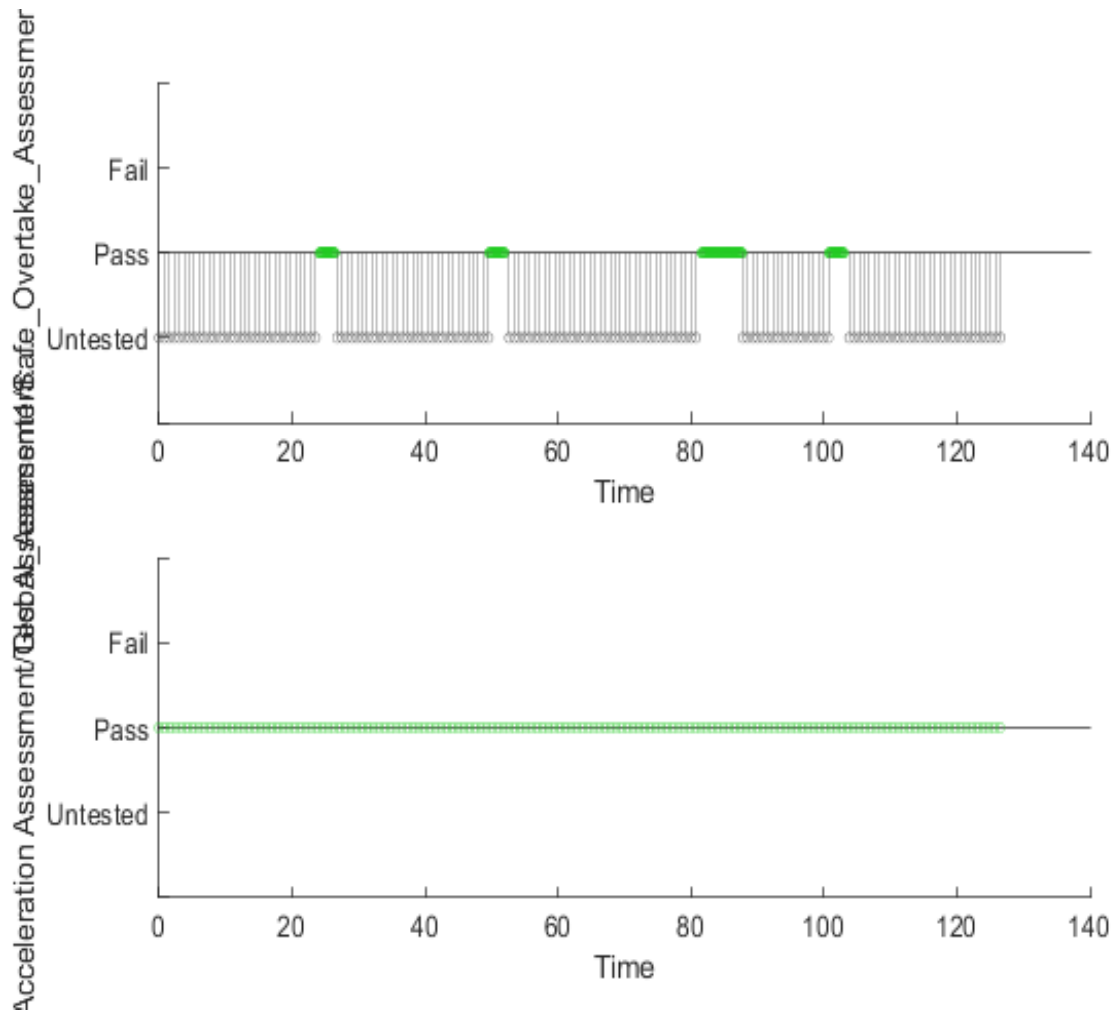
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✓ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

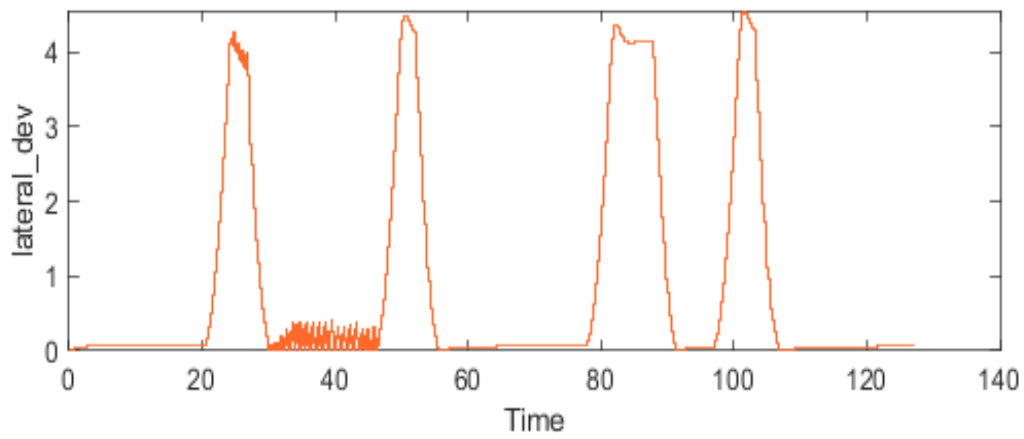
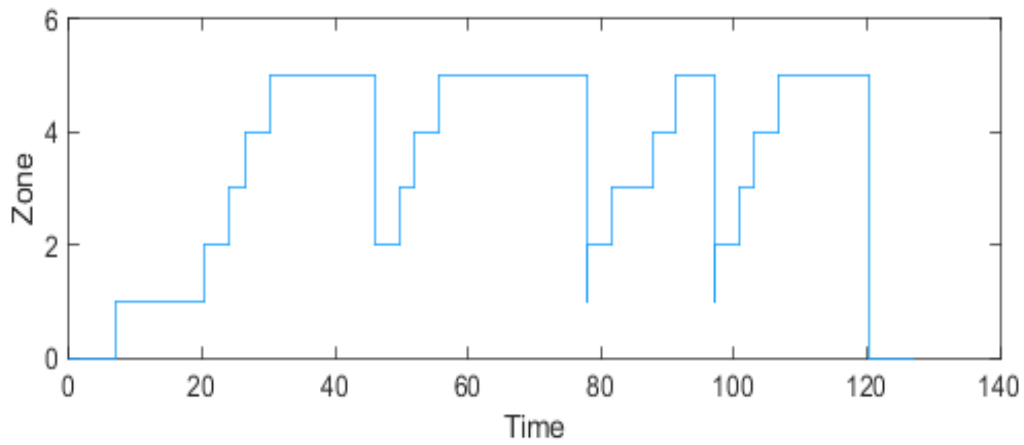
Stop Time:127.240000000000028

Checksum:4255339180 3636779422 3535930496 1984336196

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



[Back to Report Summary](#)[Back to Signal Summary](#)

300m curvature counterclockwise 40km/h

Test Result Information

Result Type: Test Case Result

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

Start Time: 20-May-2021 18:02:28
End Time: 20-May-2021 18:02:55
Outcome: **Passed**

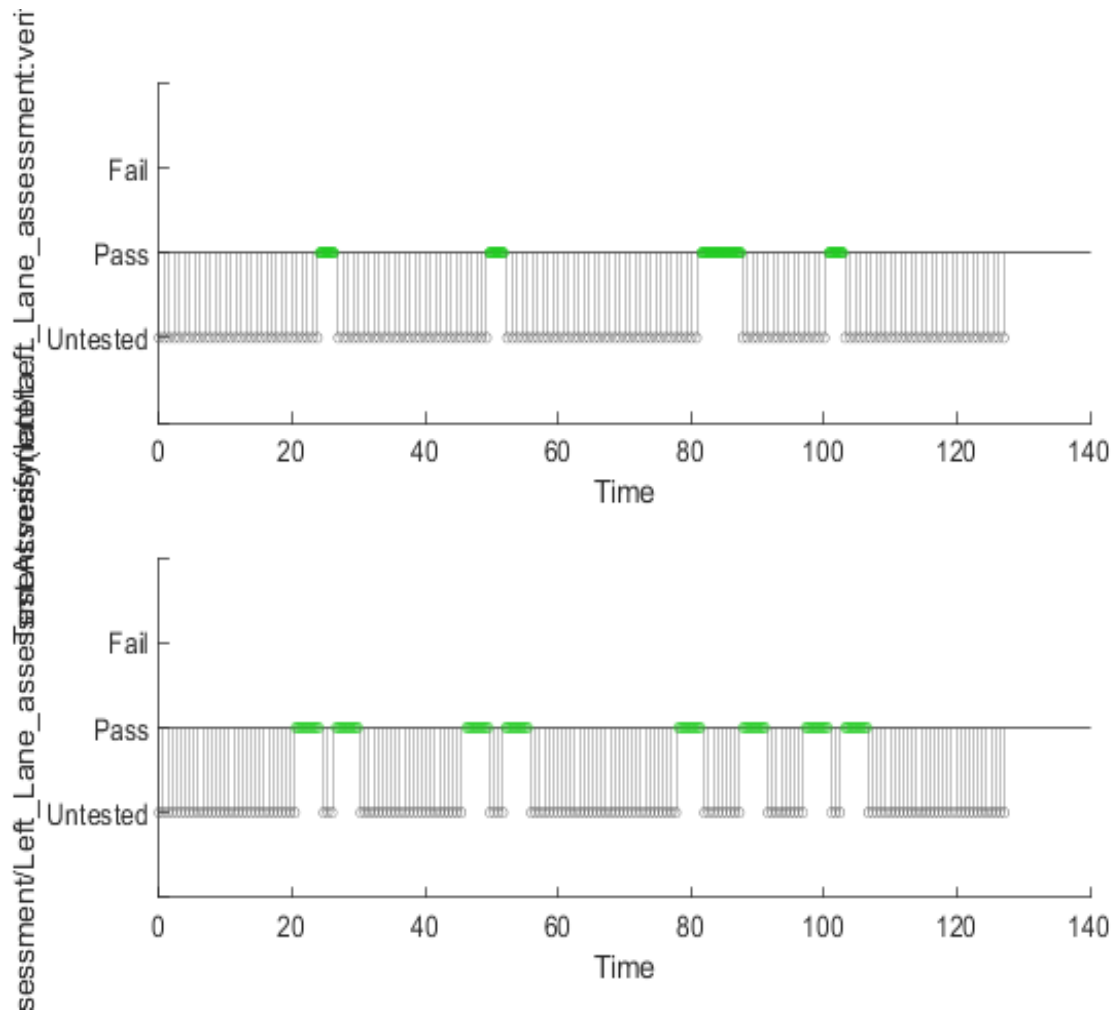
Test Case Information

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

Verify Result

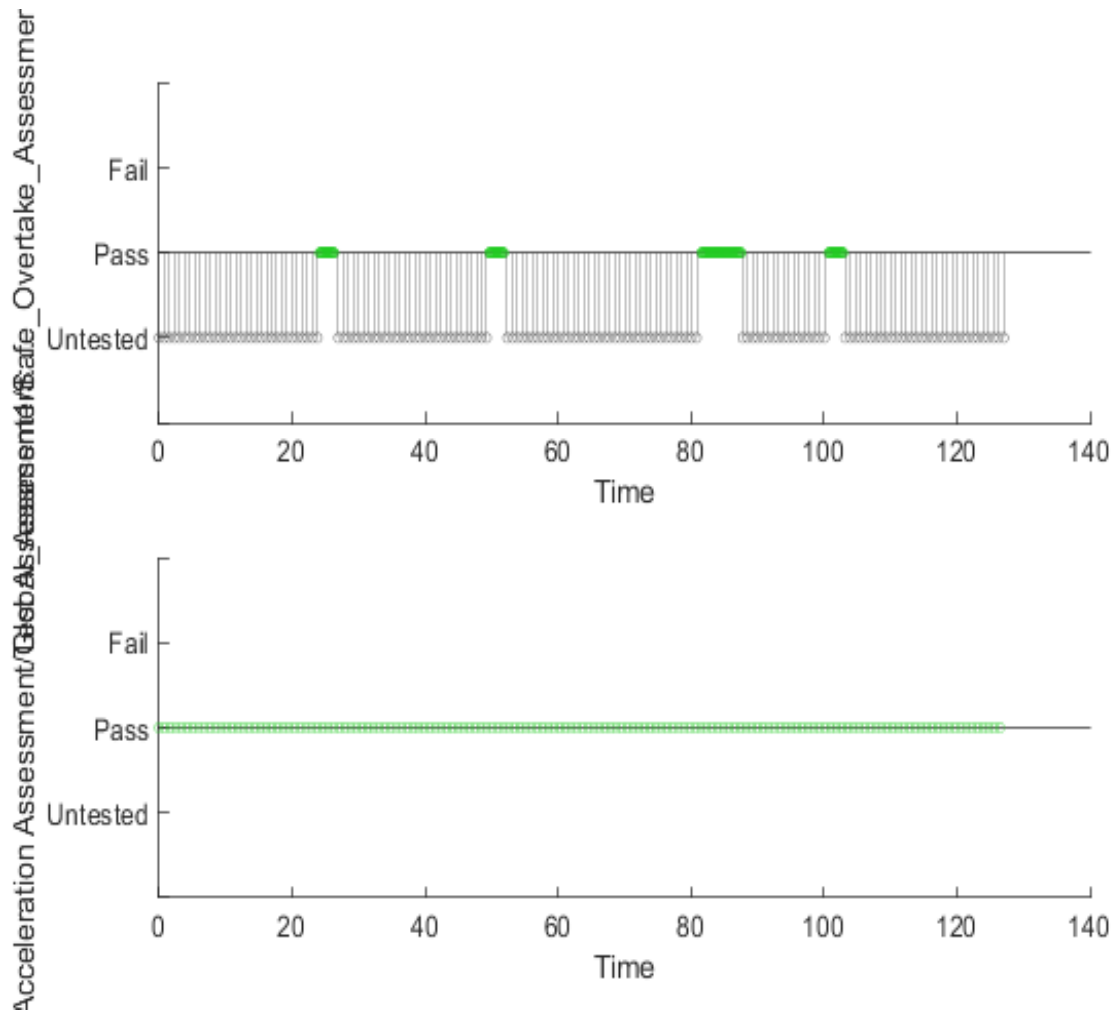
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

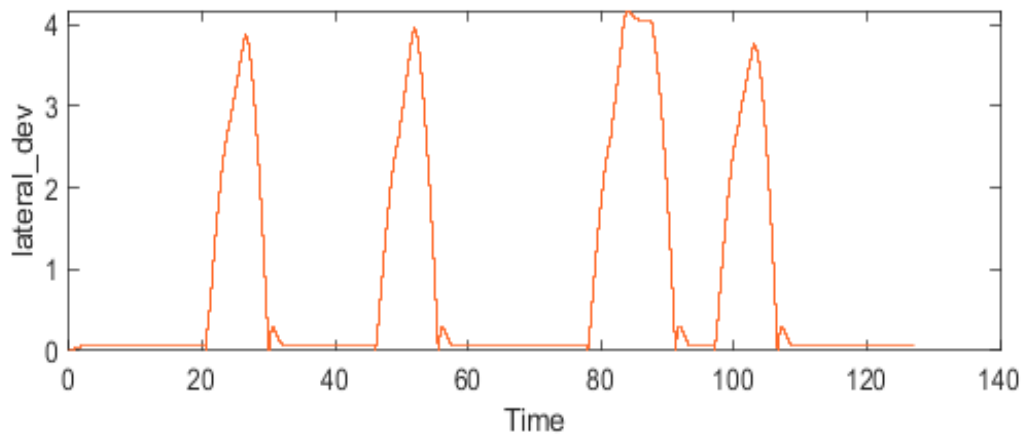
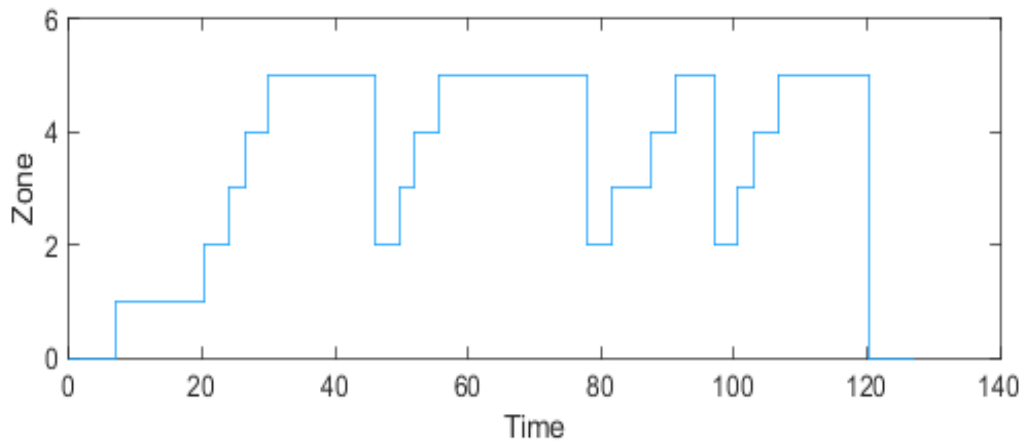
Stop Time:127.240000000000028

Checksum:4255339180 3636779422 3535930496 1984336196

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



[Back to Report Summary](#)[Back to Signal Summary](#)

500m curvature counterclockwise 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)

Start Time: 20-May-2021 18:02:55
End Time: 20-May-2021 18:03:57
Outcome: **Passed**

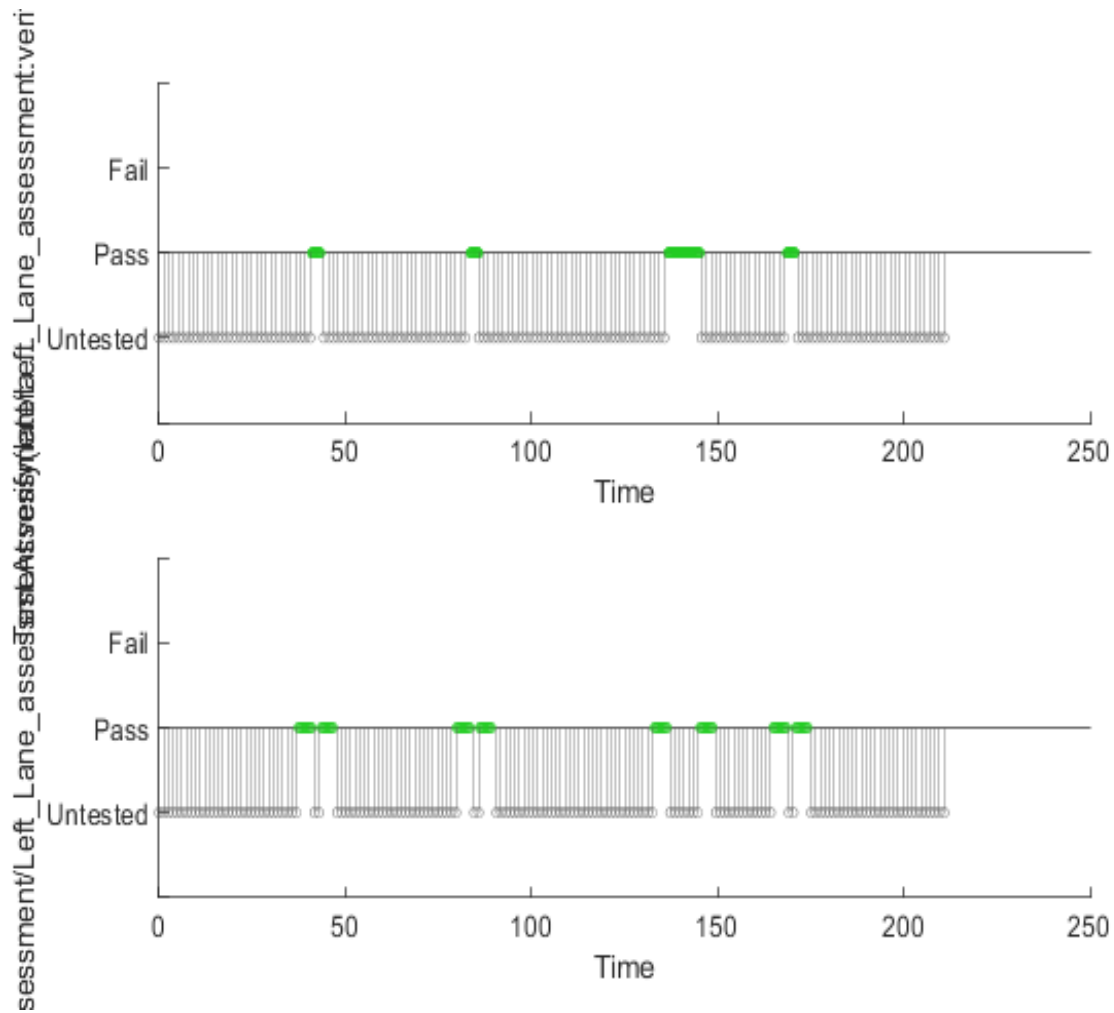
Test Case Information

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

Verify Result

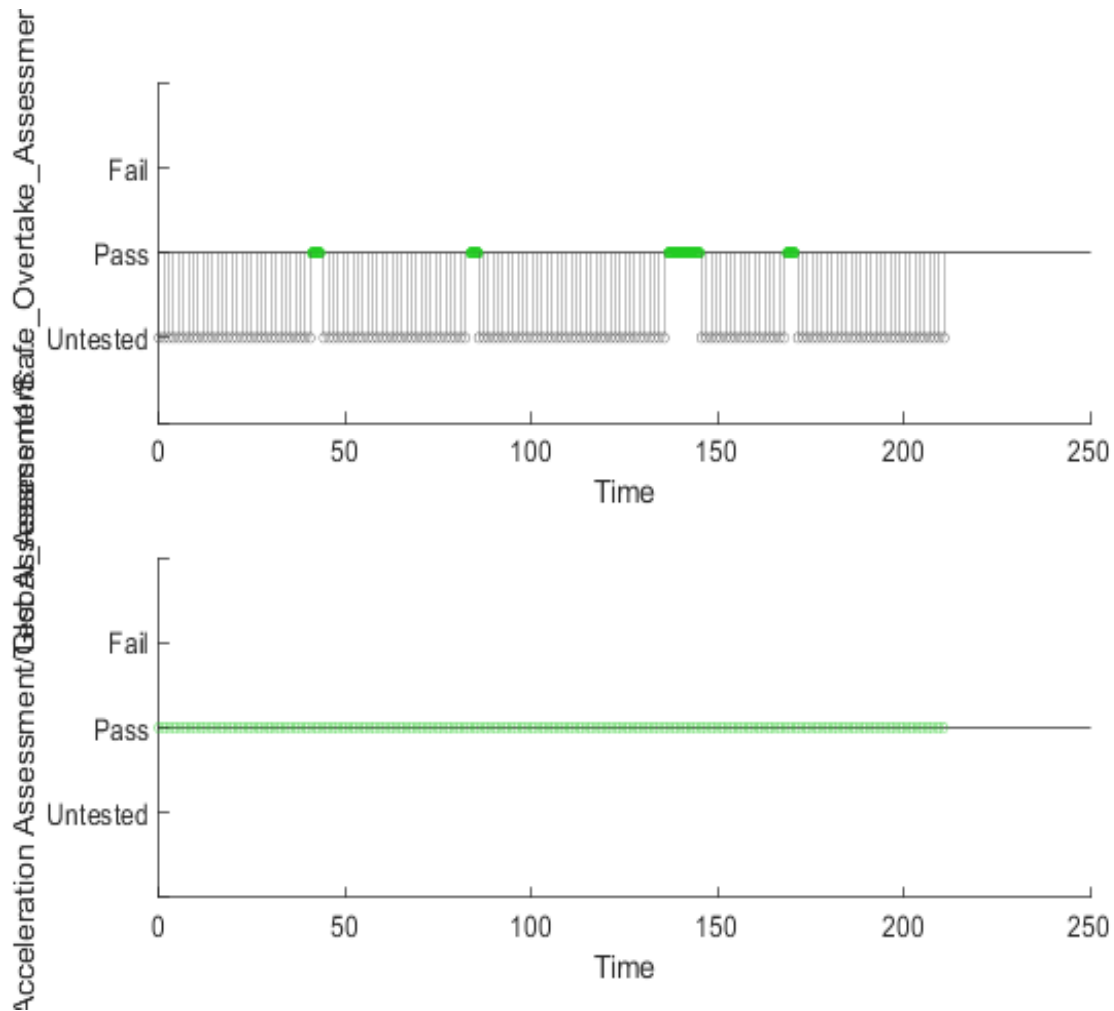
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

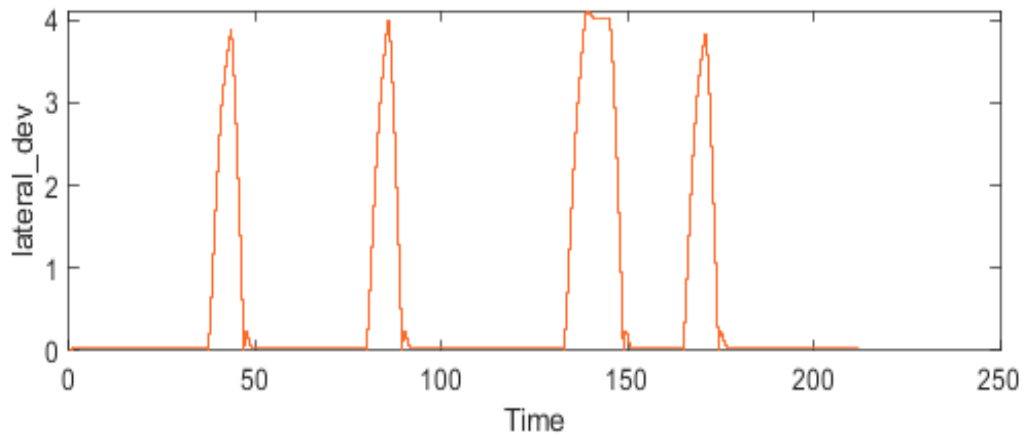
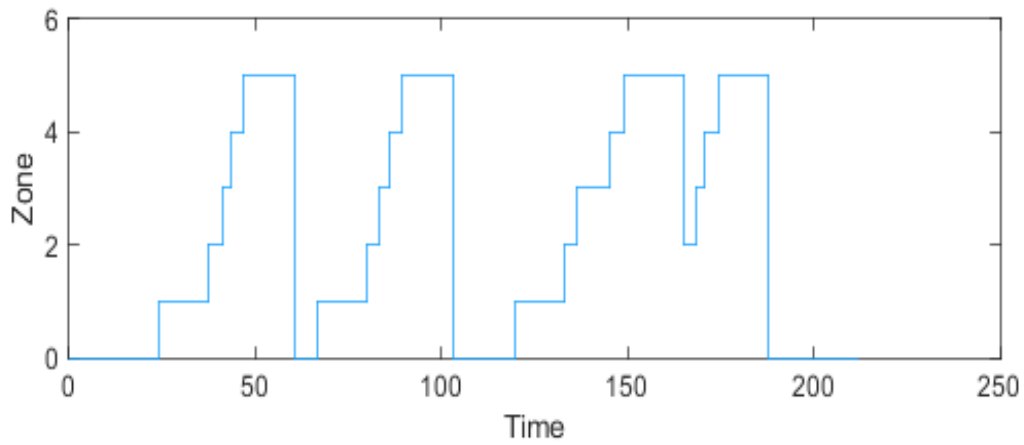
Stop Time:212.05999999999636

Checksum:678885999 2262953614 2352204718 2636506683

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



[Back to Report Summary](#)[Back to Signal Summary](#)

1000m curvature counterclockwise 40km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 40km/h](#)

Start Time: 20-May-2021 18:03:57
End Time: 20-May-2021 18:06:05
Outcome: **Passed**

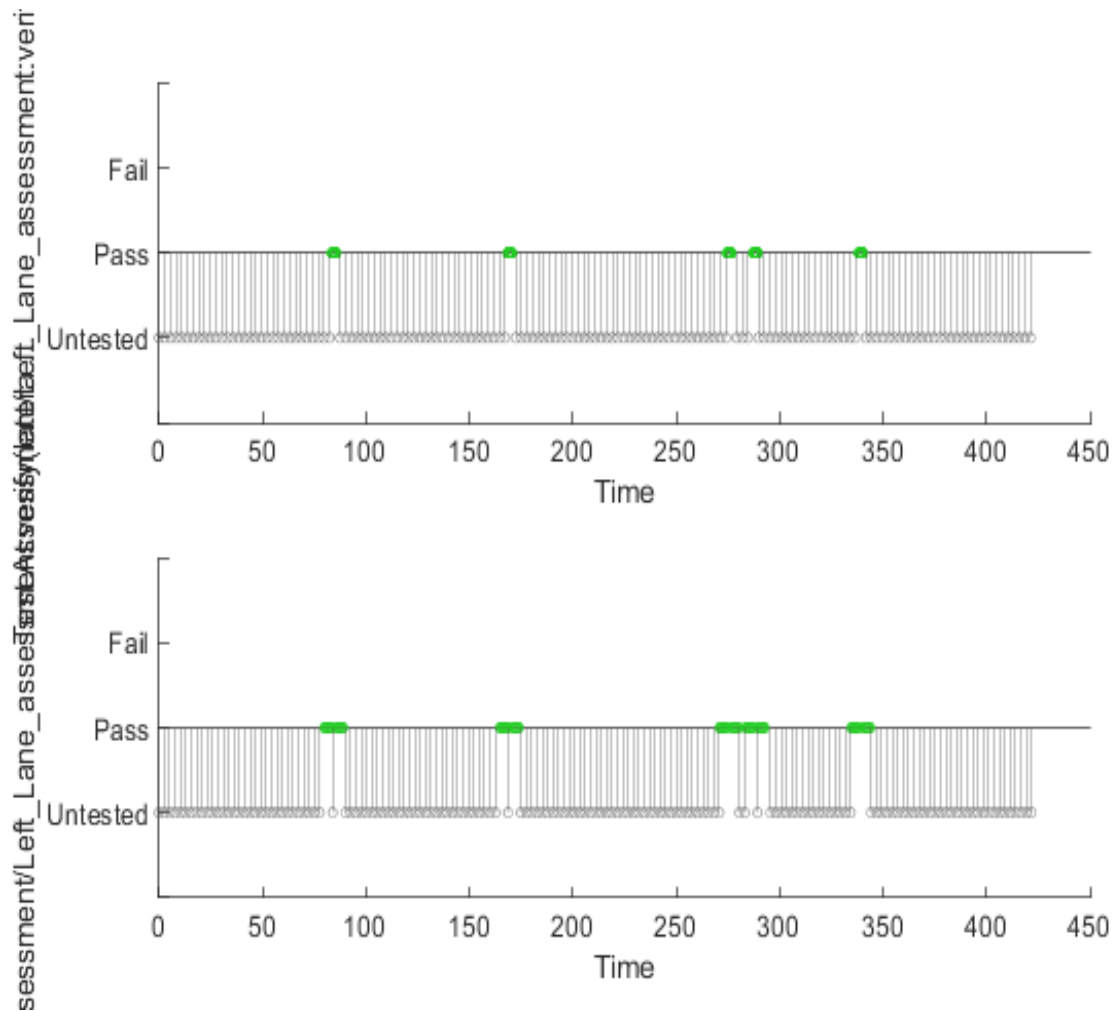
Test Case Information

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

Verify Result

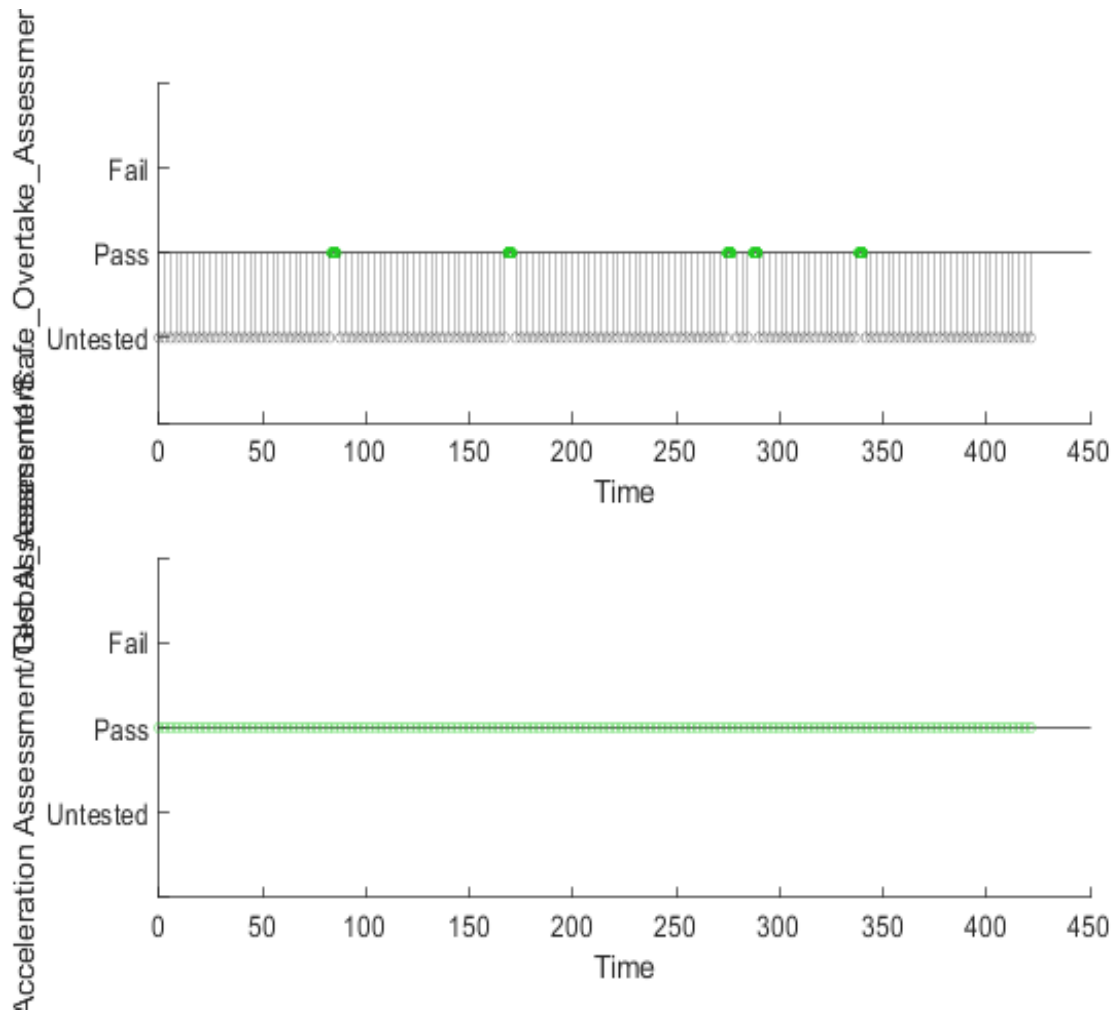
Name	Link to Plot
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	Link
✔ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	Link
✔ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)<1)	Link
✔ Lateral Acceleration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



[Back to Report Summary](#)[Back to Signal Summary](#)

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)



[Back to Report Summary](#)[Back to Signal Summary](#)

Simulation

System Under Test Information

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

Override SIL or PIL0

Mode:

Configuration Set:Configuration1

Start Time:0

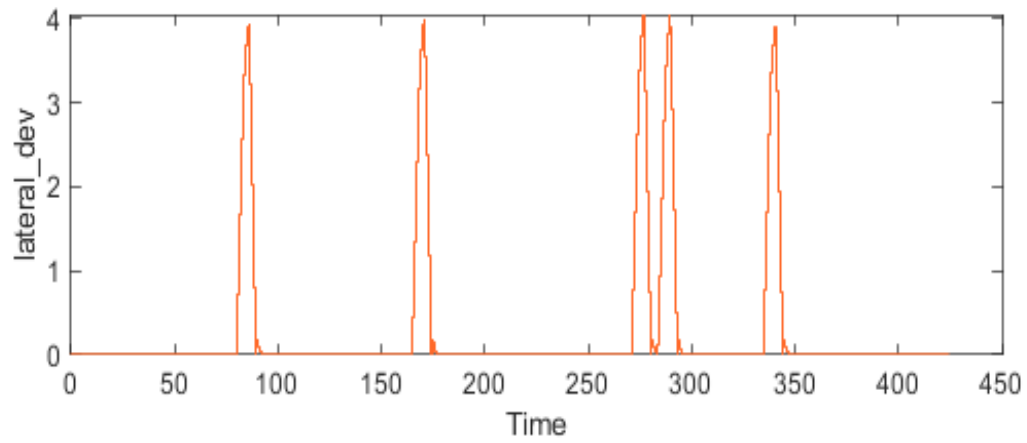
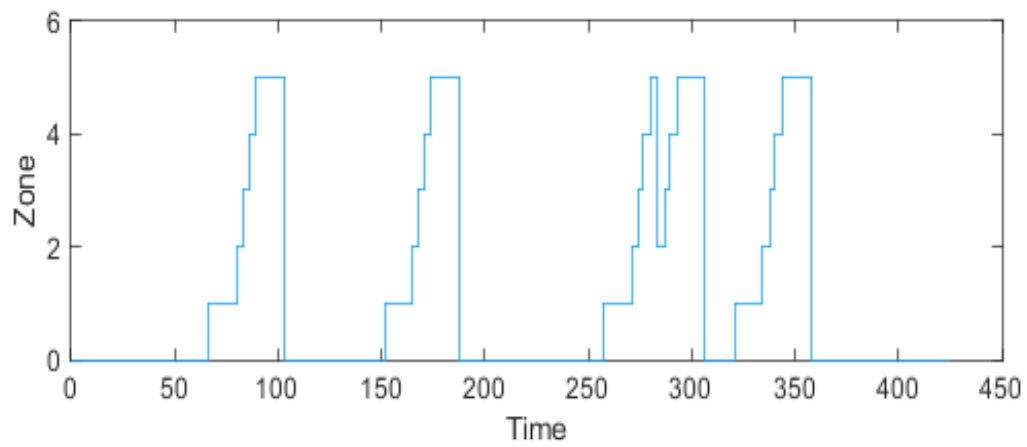
Stop Time:424.119999999998471

Checksum:3025545306 1024787769 799283548 1820997446

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



[Back to Report Summary](#)[Back to Signal Summary](#)