

# **Report Generated by Test Manager**

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**Title:** **Static Obstacle Avoidance - Test Report**

**Author:** **Gianvincenzo Daddabbo, Gaetano Gallo, Alberto Ruggeri, Martina Tedesco, Alessandro Toschi**

**Date:** **19-May-2021 23:55:20**

## Summary

Name	Outcome	Duration (Seconds)
<u>Results: 2021-May-19 17:51:47</u>	91 ✓ 19✗	14917
<u>Static_obstacle_avoidance</u>	91 ✓ 19✗	14917
<u>Single static obstacle 50km/h</u>	22✓	737
<u>0° 50km/h</u>	✓	41
<u>20° 50km/h</u>	✓	17
<u>45° 50km/h</u>	✓	21
<u>70° 50km/h</u>	✓	47
<u>90° 50km/h</u>	✓	15
<u>110° 50km/h</u>	✓	16
<u>135° 50km/h</u>	✓	22
<u>160° 50km/h</u>	✓	48
<u>180° 50km/h</u>	✓	14
<u>-20° 50km/h</u>	✓	16
<u>-45° 50km/h</u>	✓	21
<u>-70° 50km/h</u>	✓	51
<u>-90° 50km/h</u>	✓	14
<u>-110° 50km/h</u>	✓	15
<u>-135° 50km/h</u>	✓	19
<u>-160° 50km/h</u>	✓	48
<u>1000m curvature clockwise 50km/h</u>	✓	97
<u>500m curvature clockwise 50km/h</u>	✓	40
<u>300m curvature clockwise 50km/h</u>	✓	20
<u>300m curvature counterclockwise 50km/h</u>	✓	21

<a href="#">500m curvature counterclockwise 50km/h</a>	✓	35
<a href="#">1000m curvature counterclockwise 50km/h</a>	✓	99
<a href="#">Single static obstacle 10km/h</a>	6 ✓ 16 ✗	12803
<a href="#">0° 10km/h</a>	✓	197
<a href="#">20° 10km/h</a>	✗	199
<a href="#">45° 10km/h</a>	✗	332
<a href="#">70° 10km/h</a>	✓	1033
<a href="#">90° 10km/h</a>	✗	281
<a href="#">110° 10km/h</a>	✓	219
<a href="#">135° 10km/h</a>	✗	316
<a href="#">160° 10km/h</a>	✗	2607
<a href="#">180° 10km/h</a>	✗	195
<a href="#">-20° 10km/h</a>	✗	198
<a href="#">-45° 10km/h</a>	✗	663
<a href="#">-70° 10km/h</a>	✗	835
<a href="#">-90° 10km/h</a>	✗	180
<a href="#">-110° 10km/h</a>	✗	208
<a href="#">-135° 10km/h</a>	✗	626
<a href="#">-160° 10km/h</a>	✗	2473
<a href="#">1000m curvature clockwise 10km/h</a>	✗	852
<a href="#">500m curvature clockwise 10km/h</a>	✗	224
<a href="#">300m curvature clockwise 10km/h</a>	✗	153
<a href="#">300m curvature counterclockwise 10km/h</a>	✓	99
<a href="#">500m curvature counterclockwise 10km/h</a>	✓	219
<a href="#">1000m curvature counterclockwise 10km/h</a>	✓	694

<input type="checkbox"/>	<a href="#">Single static obstacle 100km/h</a>	21	<span style="color: green;">✓</span>	<span style="color: red;">1×</span>	197
<input type="checkbox"/>	<a href="#">0° 100km/h</a>		<span style="color: green;">✓</span>		6
<input type="checkbox"/>	<a href="#">20° 100km/h</a>		<span style="color: green;">✓</span>		6
<input type="checkbox"/>	<a href="#">45° 100km/h</a>		<span style="color: green;">✓</span>		8
<input type="checkbox"/>	<a href="#">70° 100km/h</a>		<span style="color: green;">✓</span>		13
<input type="checkbox"/>	<a href="#">90° 100km/h</a>		<span style="color: green;">✓</span>		5
<input type="checkbox"/>	<a href="#">110° 100km/h</a>		<span style="color: green;">✓</span>		4
<input type="checkbox"/>	<a href="#">135° 100km/h</a>		<span style="color: green;">✓</span>		5
<input type="checkbox"/>	<a href="#">160° 100km/h</a>		<span style="color: green;">✓</span>		9
<input type="checkbox"/>	<a href="#">180° 100km/h</a>		<span style="color: green;">✓</span>		6
<input type="checkbox"/>	<a href="#">-20° 100km/h</a>		<span style="color: green;">✓</span>		4
<input type="checkbox"/>	<a href="#">-45° 100km/h</a>		<span style="color: green;">✓</span>		5
<input type="checkbox"/>	<a href="#">-70° 100km/h</a>		<span style="color: green;">✓</span>		9
<input type="checkbox"/>	<a href="#">-90° 100km/h</a>		<span style="color: green;">✓</span>		8
<input type="checkbox"/>	<a href="#">-110° 100km/h</a>		<span style="color: green;">✓</span>		6
<input type="checkbox"/>	<a href="#">-135° 100km/h</a>		<span style="color: green;">✓</span>		5
<input type="checkbox"/>	<a href="#">-160° 100km/h</a>		<span style="color: green;">✓</span>		9
<input type="checkbox"/>	<a href="#">1000m curvature clockwise 100km/h</a>		<span style="color: green;">✓</span>		28
<input type="checkbox"/>	<a href="#">500m curvature clockwise 100km/h</a>		<span style="color: green;">✓</span>		11
<input type="checkbox"/>	<a href="#">300m curvature clockwise 100km/h</a>		<span style="color: green;">✓</span>		8
<input type="checkbox"/>	<a href="#">300m curvature counterclockwise 100km/h</a>		<span style="color: red;">✗</span>		5
<input type="checkbox"/>	<a href="#">500m curvature counterclockwise 100km/h</a>		<span style="color: green;">✓</span>		8
<input type="checkbox"/>	<a href="#">1000m curvature counterclockwise 100km/h</a>		<span style="color: green;">✓</span>		28
<input type="checkbox"/>	<a href="#">Single static obstacle 40km/h</a>	22	<span style="color: green;">✓</span>		466
<input type="checkbox"/>	<a href="#">0° 40km/h</a>		<span style="color: green;">✓</span>		11

<input type="checkbox"/>	<a href="#"><u>20° 40km/h</u></a>	<input checked="" type="checkbox"/>	13
<input type="checkbox"/>	<a href="#"><u>45° 40km/h</u></a>	<input checked="" type="checkbox"/>	15
<input type="checkbox"/>	<a href="#"><u>70° 40km/h</u></a>	<input checked="" type="checkbox"/>	32
<input type="checkbox"/>	<a href="#"><u>90° 40km/h</u></a>	<input checked="" type="checkbox"/>	9
<input type="checkbox"/>	<a href="#"><u>110° 40km/h</u></a>	<input checked="" type="checkbox"/>	10
<input type="checkbox"/>	<a href="#"><u>135° 40km/h</u></a>	<input checked="" type="checkbox"/>	12
<input type="checkbox"/>	<a href="#"><u>160° 40km/h</u></a>	<input checked="" type="checkbox"/>	30
<input type="checkbox"/>	<a href="#"><u>180° 40km/h</u></a>	<input checked="" type="checkbox"/>	9
<input type="checkbox"/>	<a href="#"><u>-20° 40km/h</u></a>	<input checked="" type="checkbox"/>	10
<input type="checkbox"/>	<a href="#"><u>-45° 40km/h</u></a>	<input checked="" type="checkbox"/>	13
<input type="checkbox"/>	<a href="#"><u>-70° 40km/h</u></a>	<input checked="" type="checkbox"/>	29
<input type="checkbox"/>	<a href="#"><u>-90° 40km/h</u></a>	<input checked="" type="checkbox"/>	9
<input type="checkbox"/>	<a href="#"><u>-110° 40km/h</u></a>	<input checked="" type="checkbox"/>	10
<input type="checkbox"/>	<a href="#"><u>-135° 40km/h</u></a>	<input checked="" type="checkbox"/>	13
<input type="checkbox"/>	<a href="#"><u>-160° 40km/h</u></a>	<input checked="" type="checkbox"/>	30
<input type="checkbox"/>	<a href="#"><u>1000m curvature clockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	66
<input type="checkbox"/>	<a href="#"><u>500m curvature clockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	26
<input type="checkbox"/>	<a href="#"><u>300m curvature clockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	16
<input type="checkbox"/>	<a href="#"><u>300m curvature counterclockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	13
<input type="checkbox"/>	<a href="#"><u>500m curvature counterclockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	24
<input type="checkbox"/>	<a href="#"><u>1000m curvature counterclockwise 40km/h</u></a>	<input checked="" type="checkbox"/>	66
<input type="checkbox"/>	<a href="#"><u>Single static obstacle 30km/h</u></a>	20 <input checked="" type="checkbox"/> 2 <input type="checkbox"/>	714
<input type="checkbox"/>	<a href="#"><u>0° 30km/h</u></a>	<input checked="" type="checkbox"/>	16
<input type="checkbox"/>	<a href="#"><u>20° 30km/h</u></a>	<input checked="" type="checkbox"/>	16
<input type="checkbox"/>	<a href="#"><u>45° 30km/h</u></a>	<input checked="" type="checkbox"/>	20

<a href="#"><u>70° 30km/h</u></a>		48
<a href="#"><u>90° 30km/h</u></a>		12
<a href="#"><u>110° 30km/h</u></a>		13
<a href="#"><u>135° 30km/h</u></a>		18
<a href="#"><u>160° 30km/h</u></a>		46
<a href="#"><u>180° 30km/h</u></a>		12
<a href="#"><u>-20° 30km/h</u></a>		14
<a href="#"><u>-45° 30km/h</u></a>		18
<a href="#"><u>-70° 30km/h</u></a>		46
<a href="#"><u>-90° 30km/h</u></a>		12
<a href="#"><u>-110° 30km/h</u></a>		13
<a href="#"><u>-135° 30km/h</u></a>		18
<a href="#"><u>-160° 30km/h</u></a>		46
<a href="#"><u>1000m curvature clockwise 30km/h</u></a>		103
<a href="#"><u>500m curvature clockwise 30km/h</u></a>		38
<a href="#"><u>300m curvature clockwise 30km/h</u></a>		25
<a href="#"><u>300m curvature counterclockwise 30km/h</u></a>		44
<a href="#"><u>500m curvature counterclockwise 30km/h</u></a>		36
<a href="#"><u>1000m curvature counterclockwise 30km/h</u></a>		100

## **Results: 2021-May-19 17:51:47**

Result Type: Result Set  
Parent: None  
Start Time: 19-May-2021 17:51:55  
End Time: 19-May-2021 22:00:32  
Outcome: Total: 110, Passed: 91, Failed: 19

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## **Static\_obstacle\_avoidance**

### **Test Result Information**

Result Type: Test File Result  
Parent: [Results: 2021-May-19 17:51:47](#)  
Start Time: 19-May-2021 17:51:55  
End Time: 19-May-2021 22:00:32  
Outcome: Total: 110, Passed: 91, Failed: 19

### **Test Suite Information**

Name: Static\_obstacle\_avoidance

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## **Single\_static\_obstacle\_50km/h**

### **Test Result Information**

Result Type: Test Suite Result  
Parent: [Static\\_obstacle\\_avoidance](#)  
Start Time: 19-May-2021 17:51:55  
End Time: 19-May-2021 18:04:12  
Outcome: Total: 22, Passed: 22

### **Test Suite Information**

Name: Single\_static\_obstacle\_50km/h

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## **0° 50km/h**

### **Test Result Information**

Result Type: Test Case Result

Parent: [Single static obstacle 50km/h](#)  
Start Time: 19-May-2021 17:51:55  
End Time: 19-May-2021 17:52:36  
Outcome: Passed

## Test Case Information

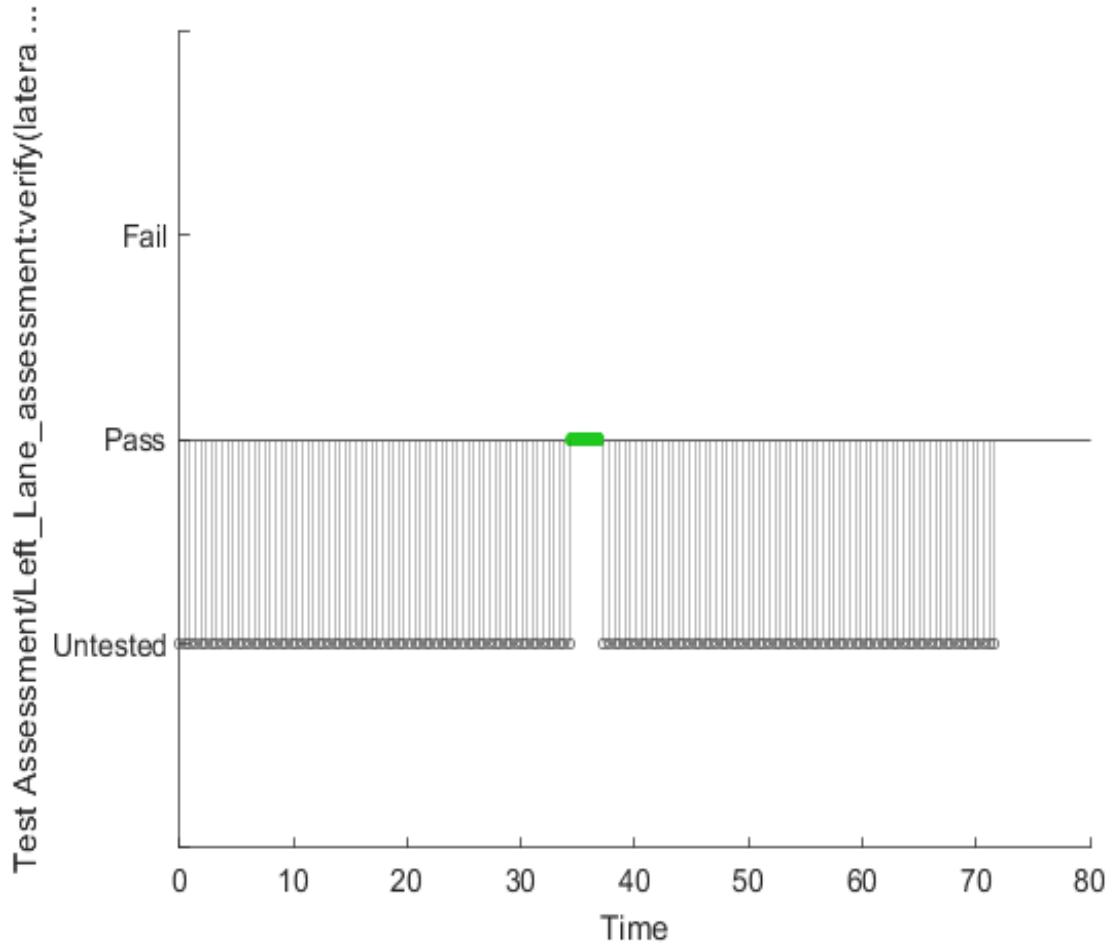
Name: 0° 50km/h  
Type: Simulation Test

## Verify Result

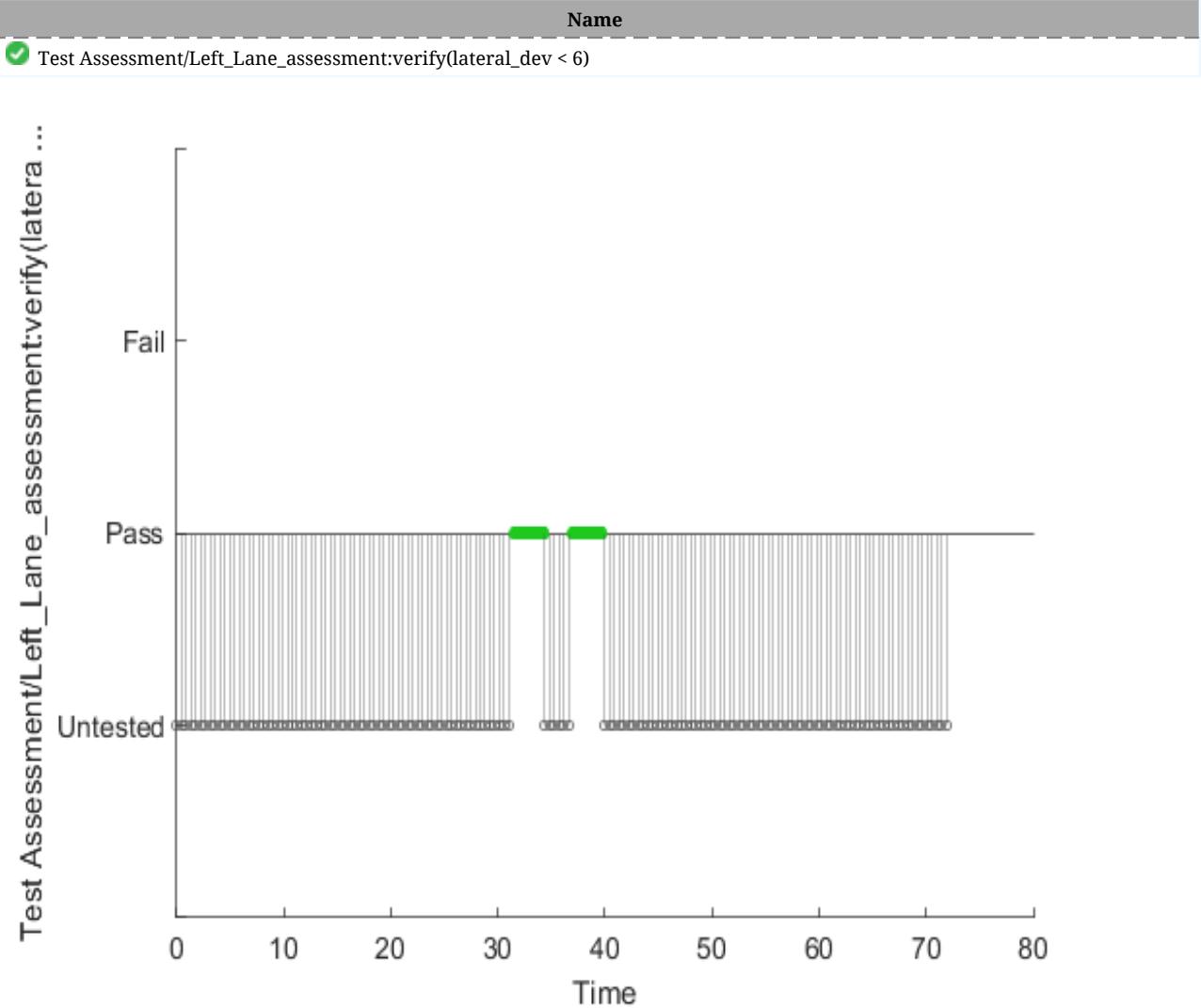
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



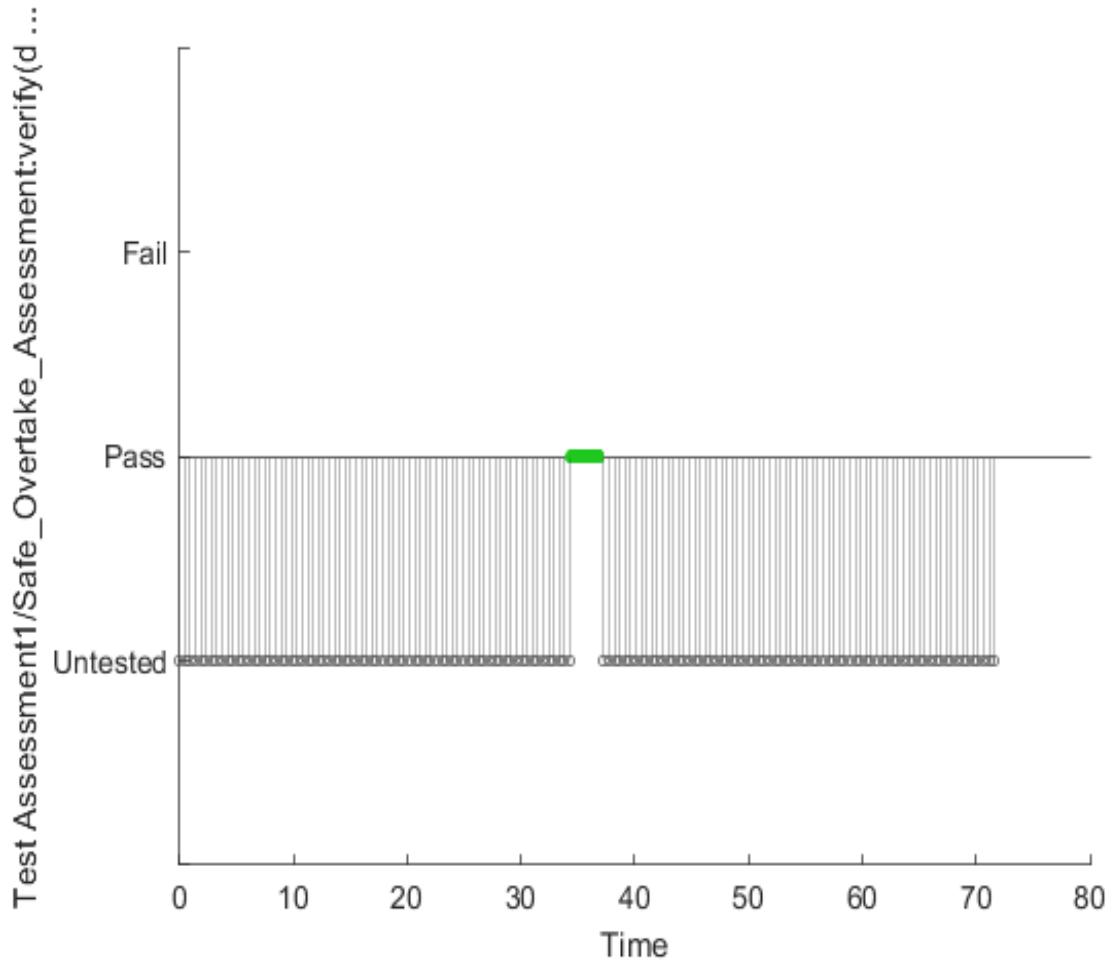
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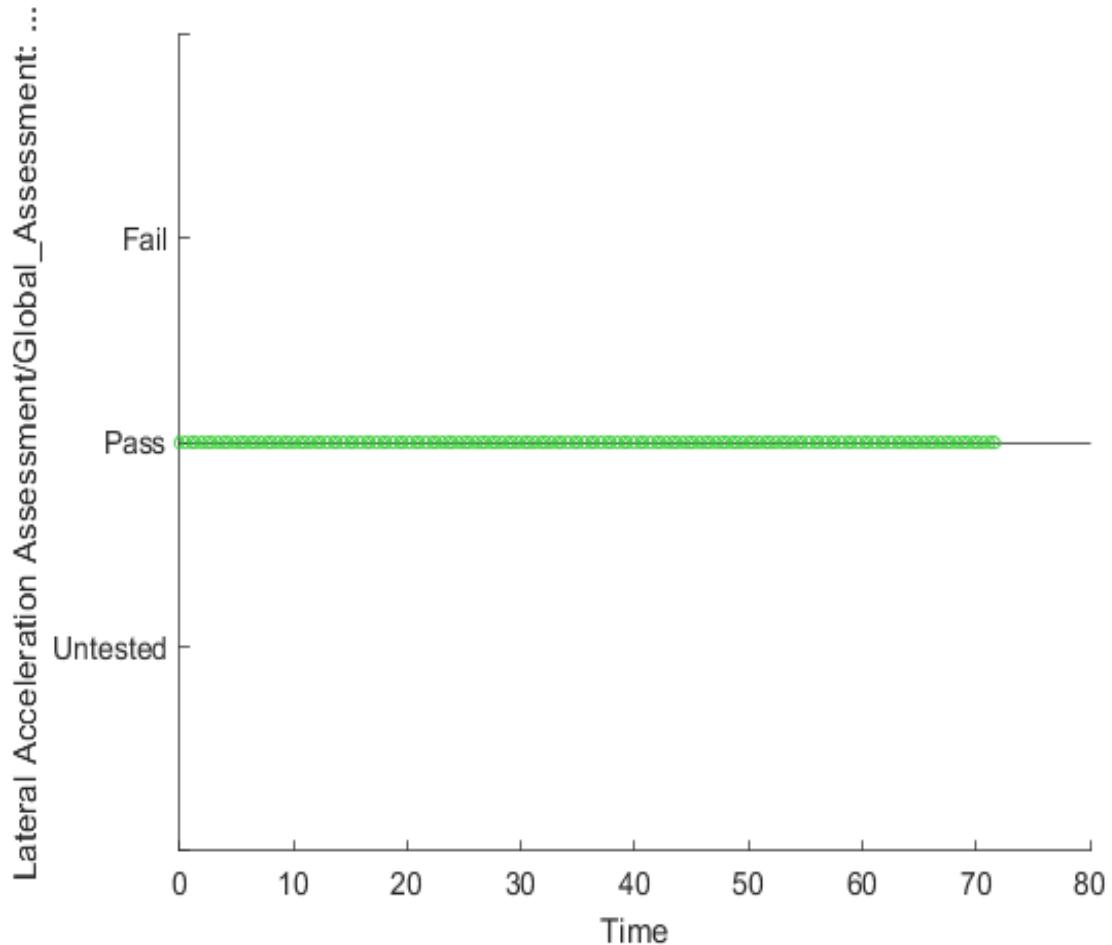
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

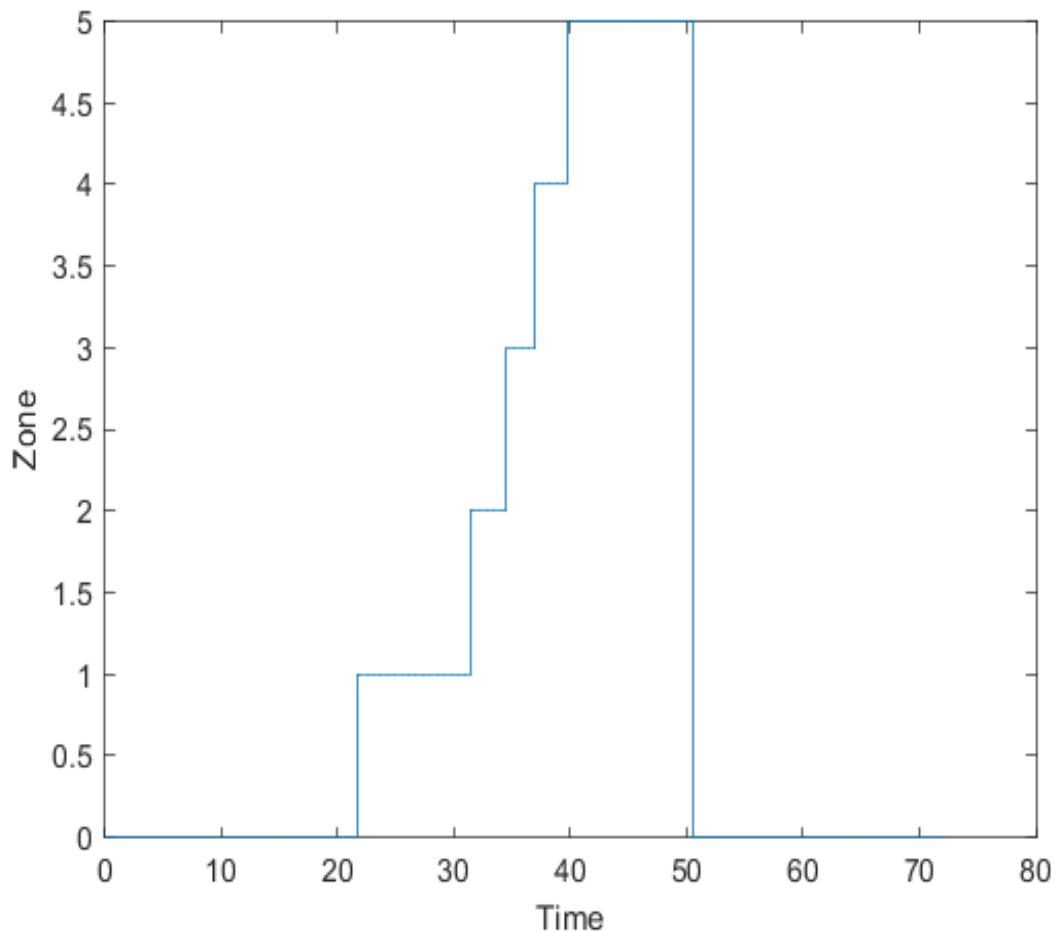
Start Time: 0  
Stop Time: 72  
Checksum: 1502734452 2262212197 3166314975 3808746684

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

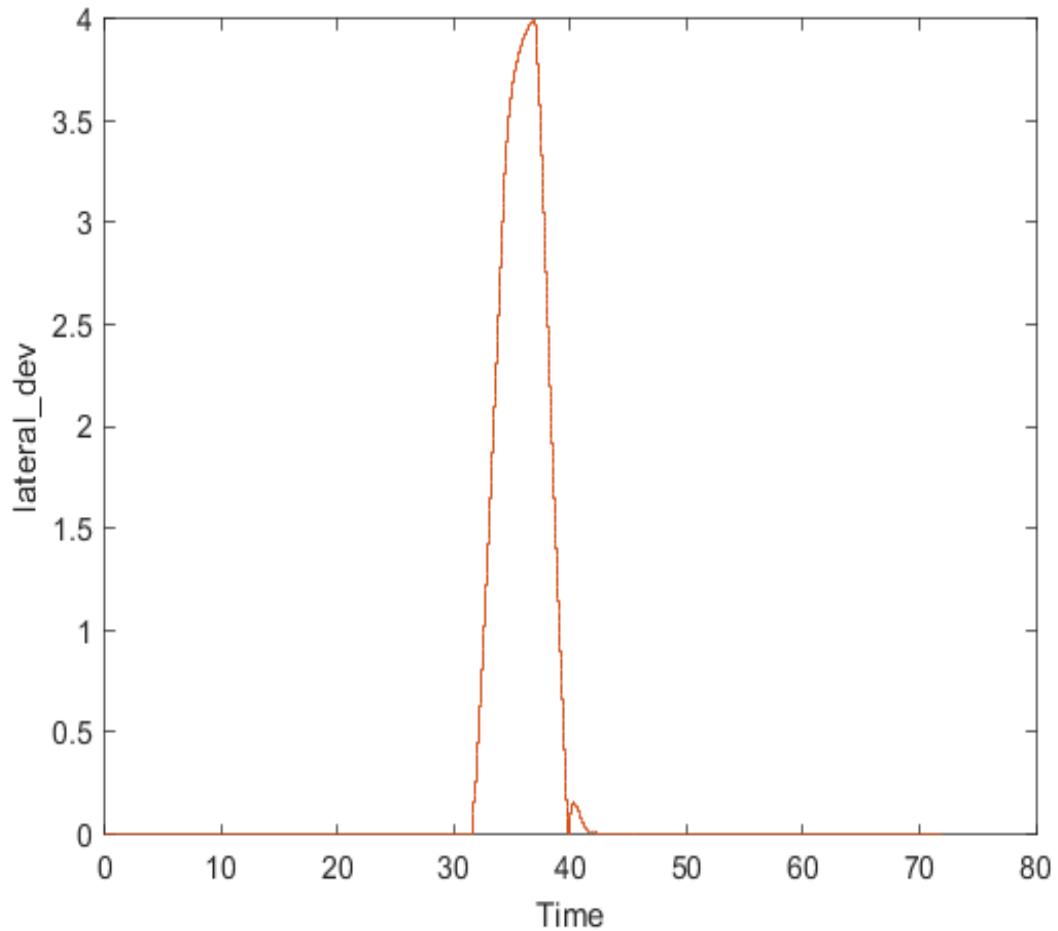
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 20° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:52:36  
End Time: 19-May-2021 17:52:53  
Outcome: Passed

## Test Case Information

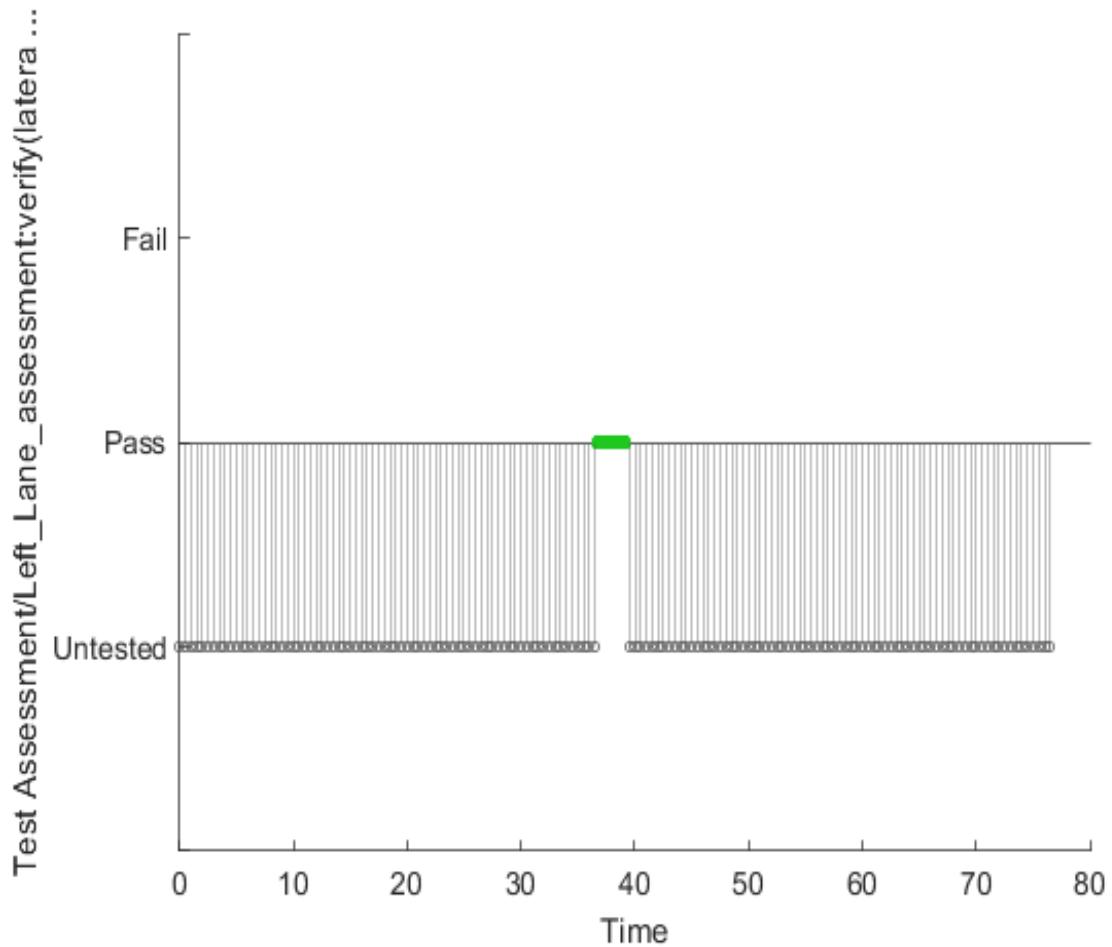
Name: 20° 50km/h  
Type: Simulation Test

## Verify Result

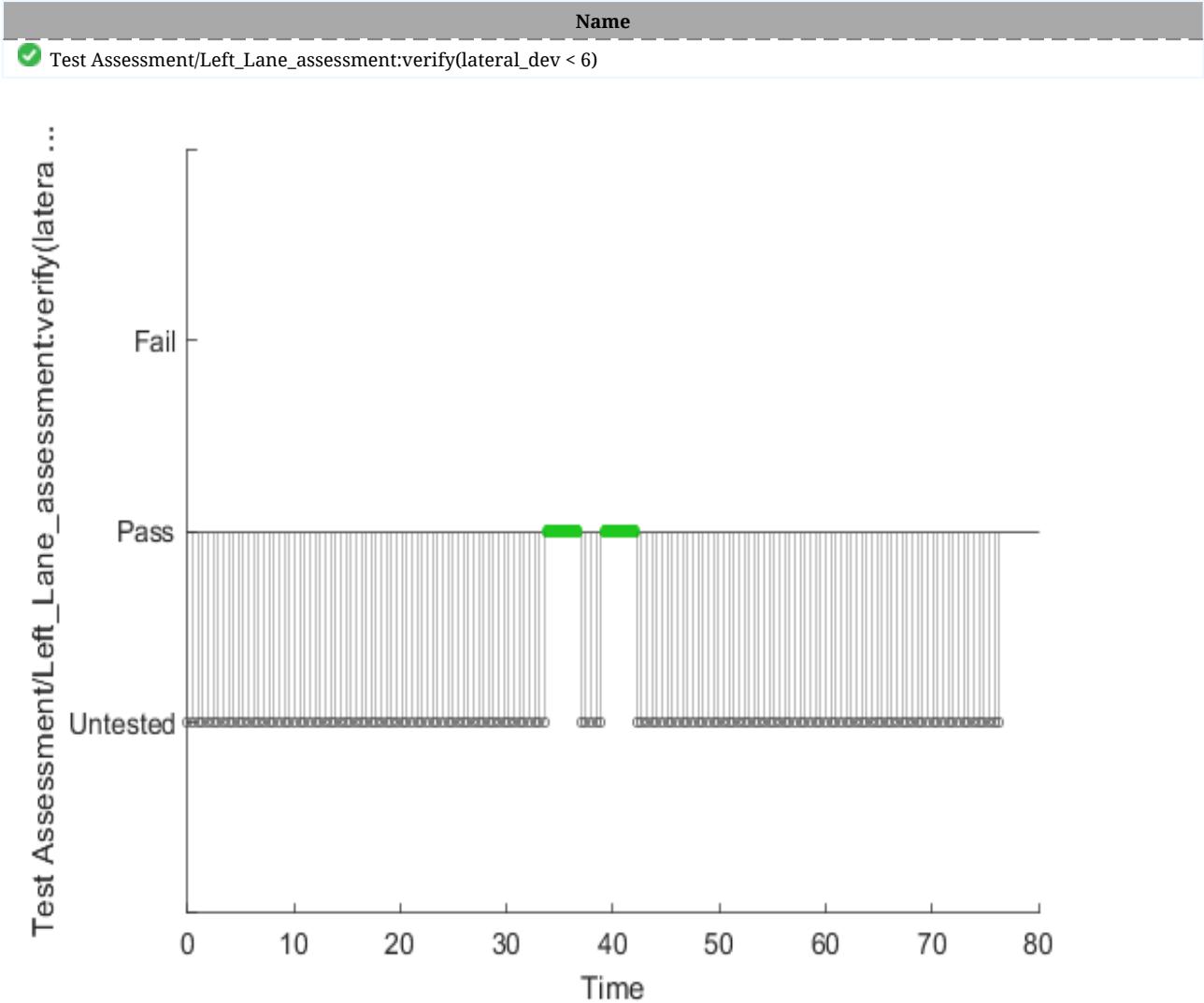
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



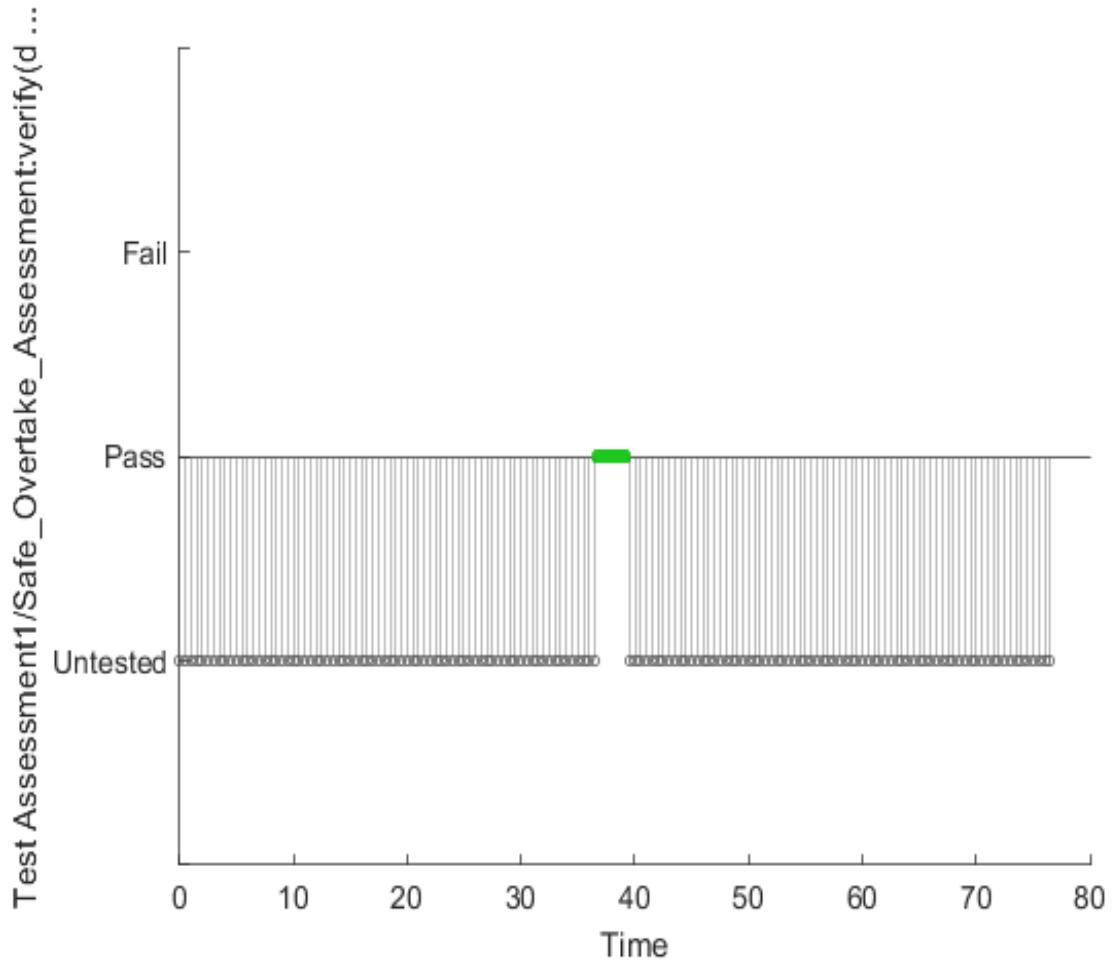
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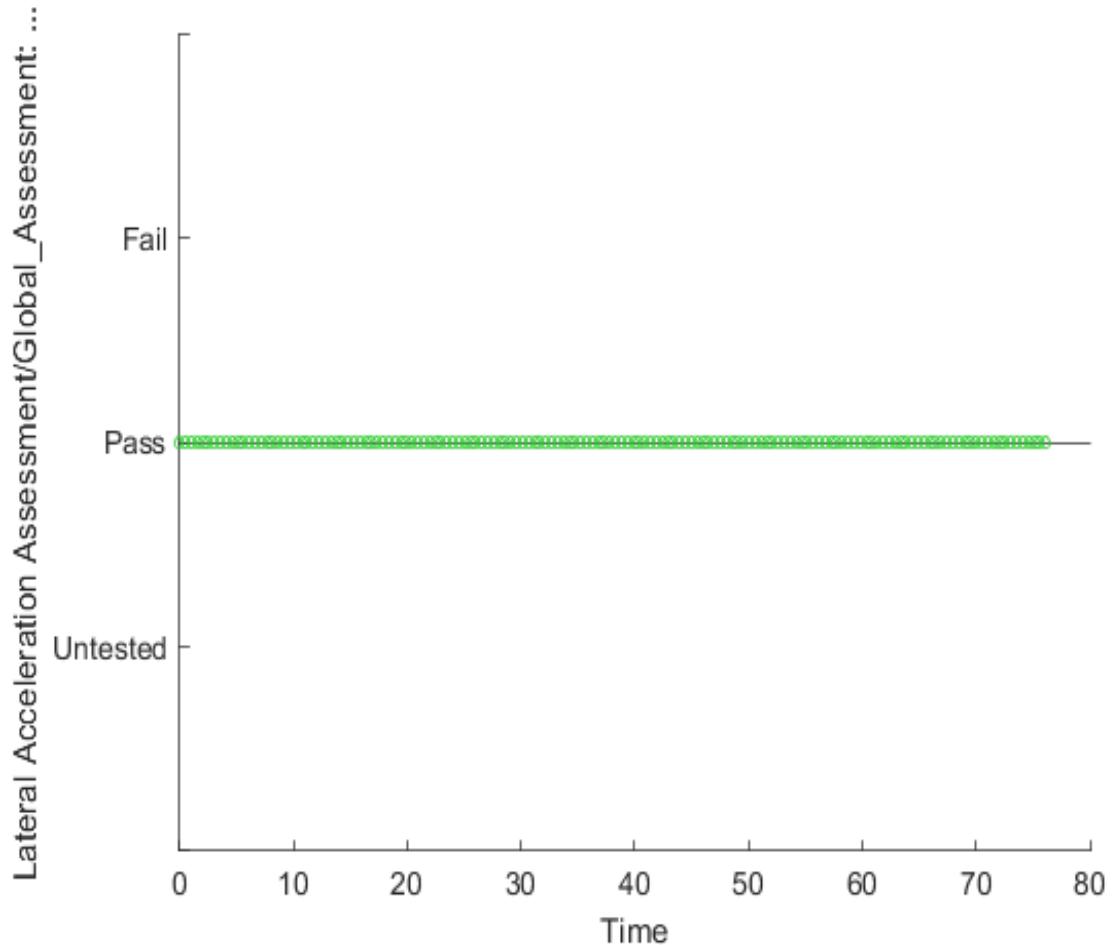
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

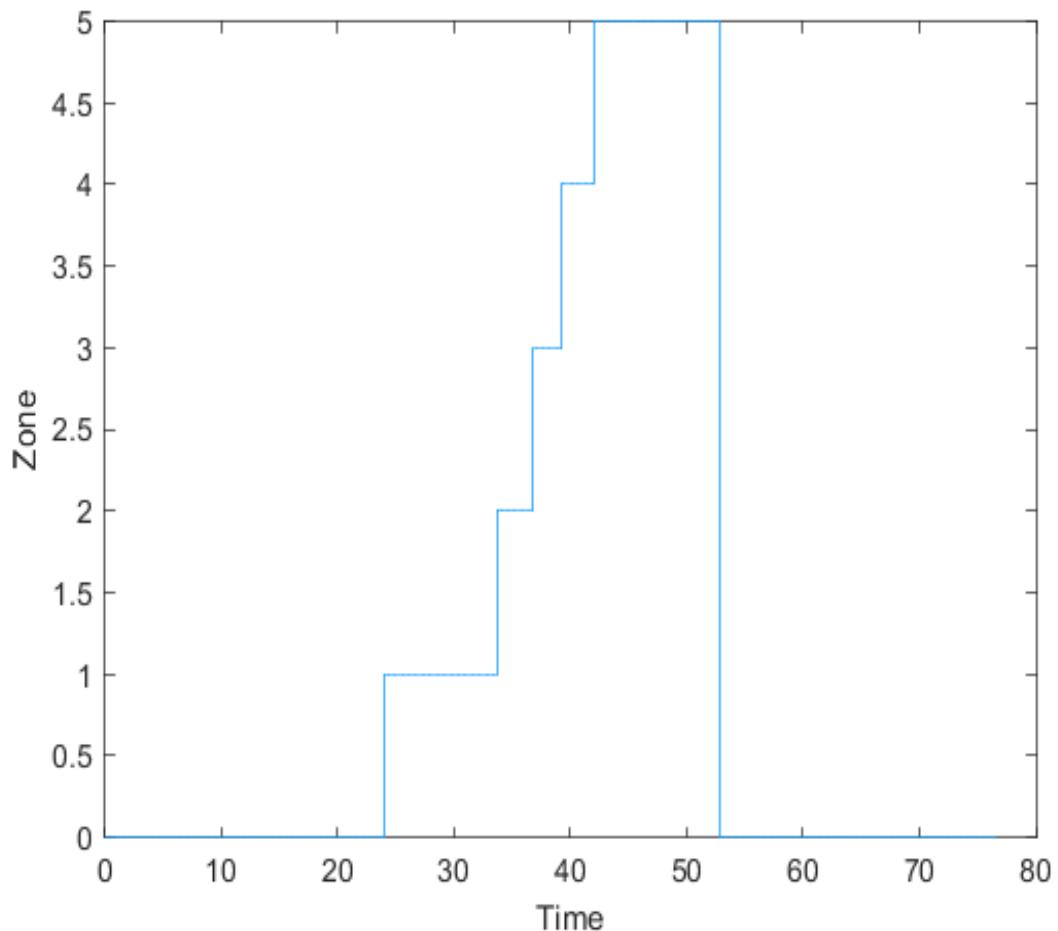
Start Time: 0  
Stop Time: 76.621532639330582  
Checksum: 3821062831 3255092513 2916787452 2306155687

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

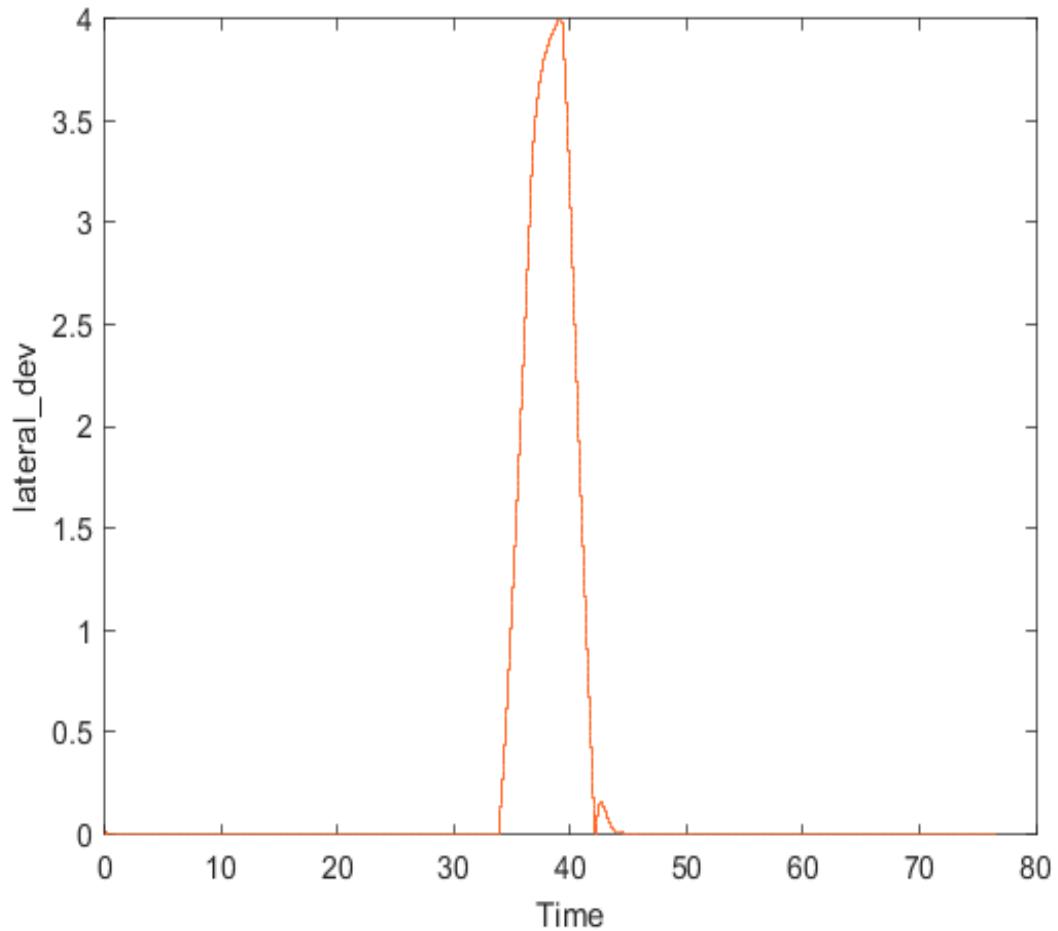
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 45° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:52:53  
End Time: 19-May-2021 17:53:14  
Outcome: Passed

## Test Case Information

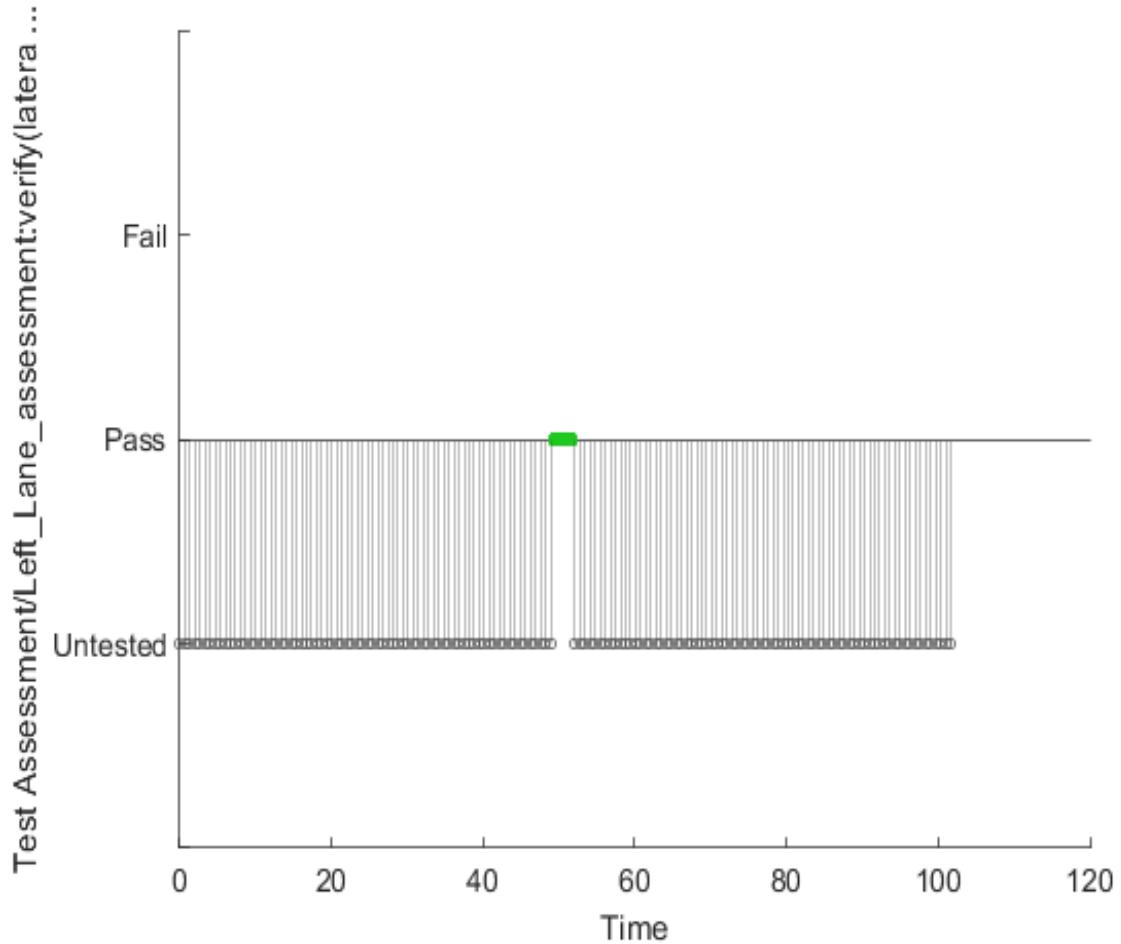
Name: 45° 50km/h  
Type: Simulation Test

## Verify Result

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

### Name

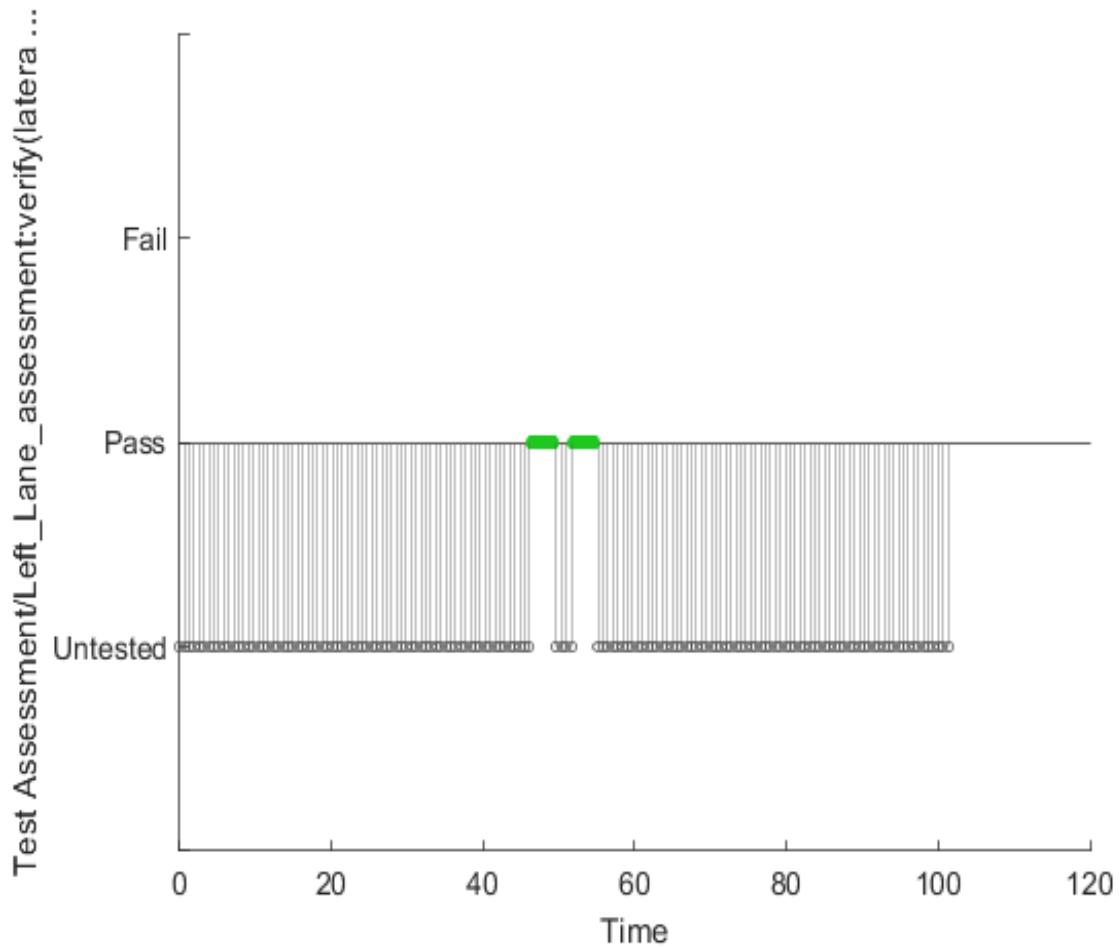
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

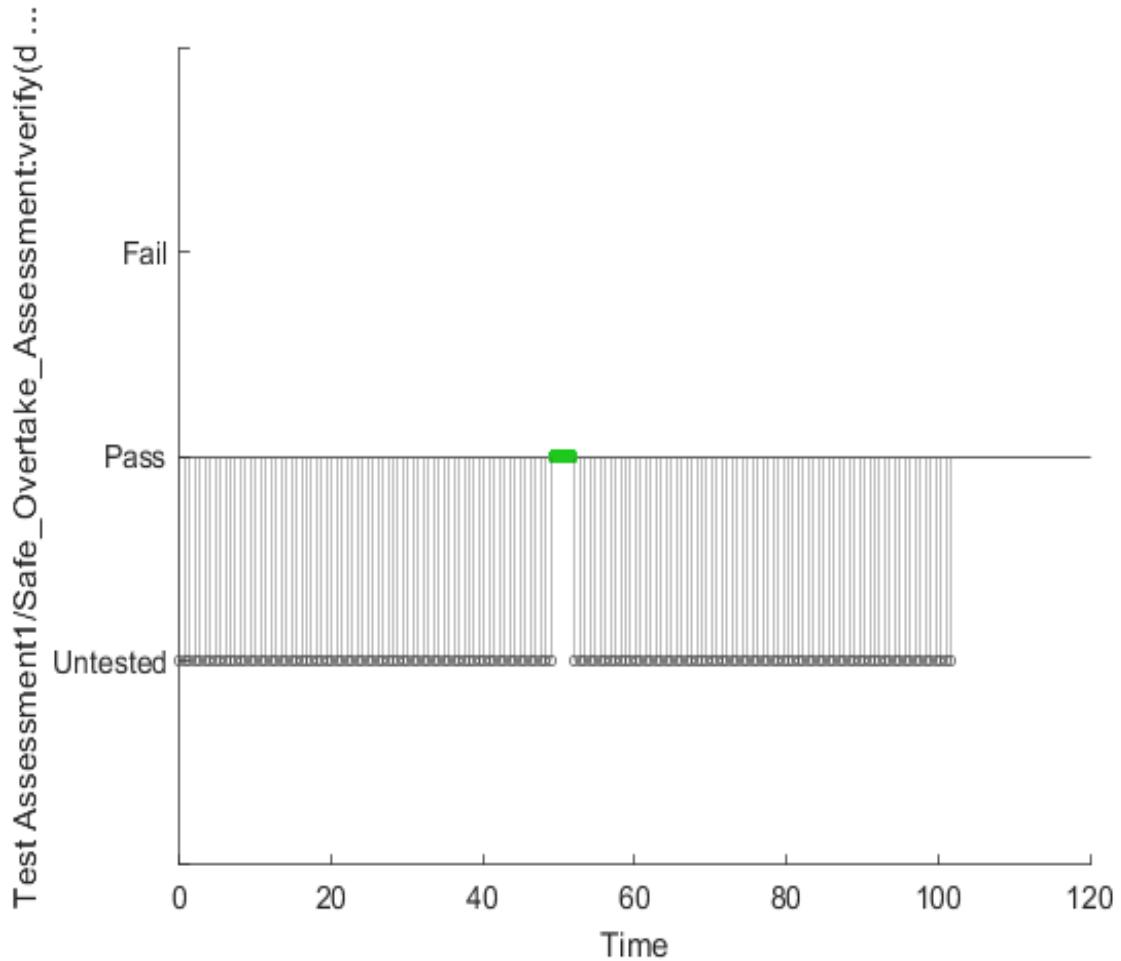
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



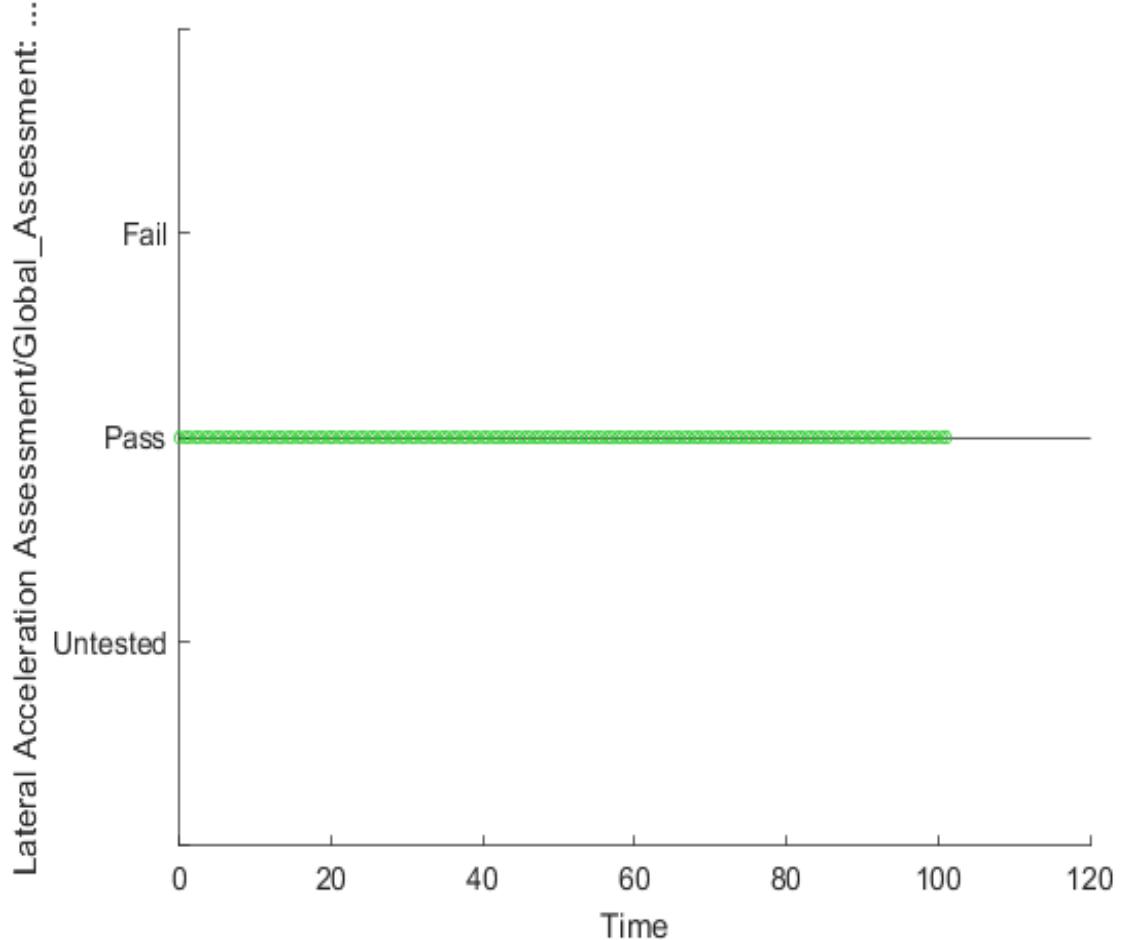
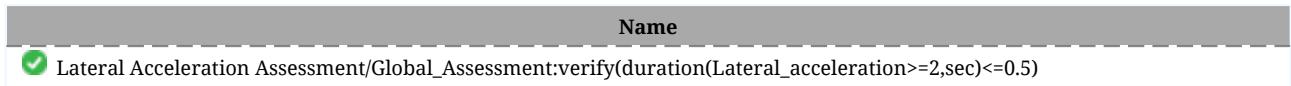
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

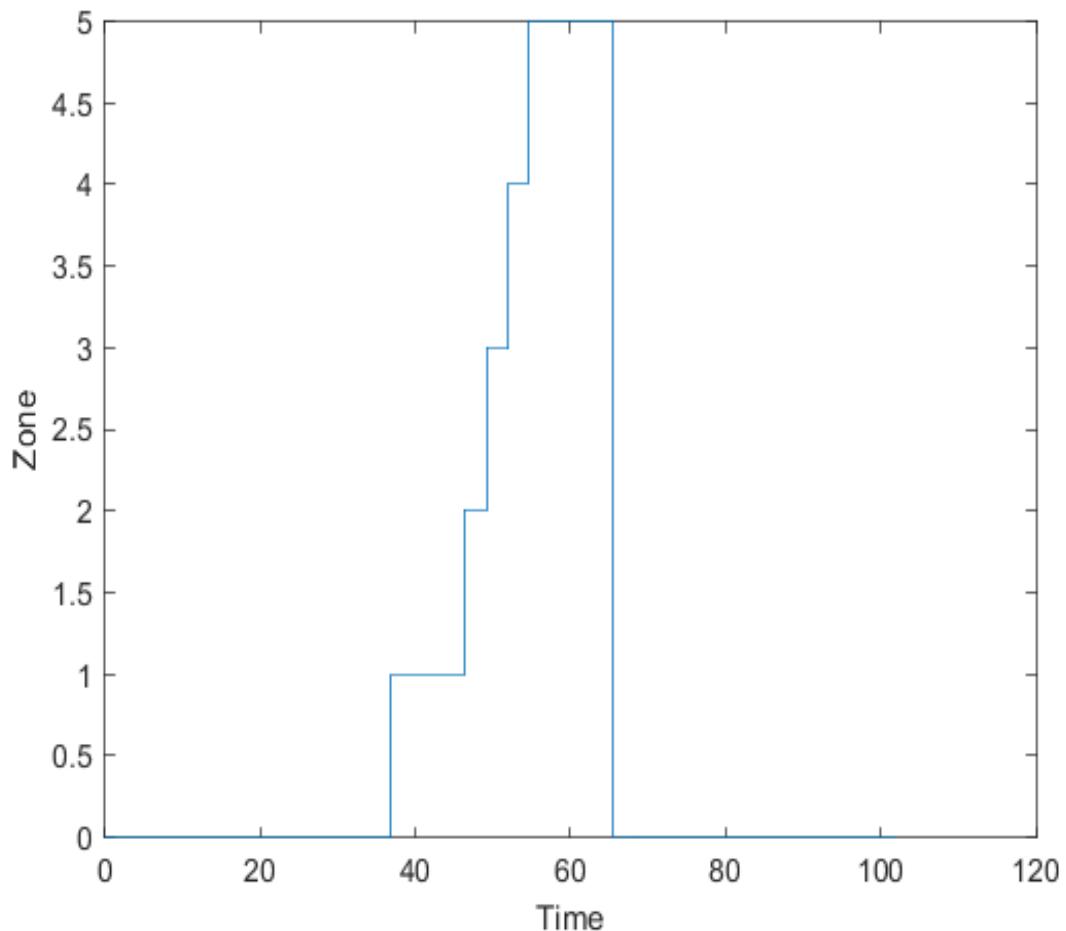
Start Time: 0  
Stop Time: 101.82337649086284  
Checksum: 3897230891 2554983064 1445871265 2888259817

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

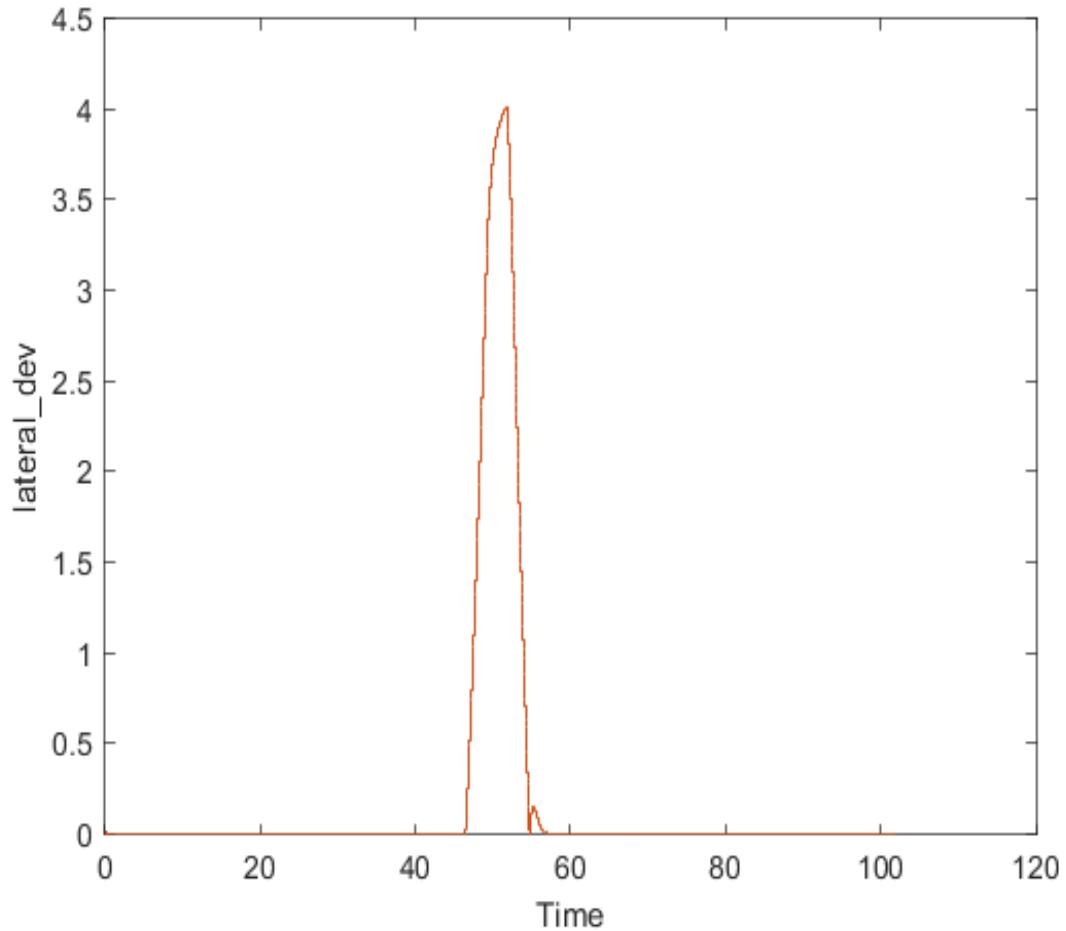
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 70° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:53:14  
End Time: 19-May-2021 17:54:01  
Outcome: Passed

## Test Case Information

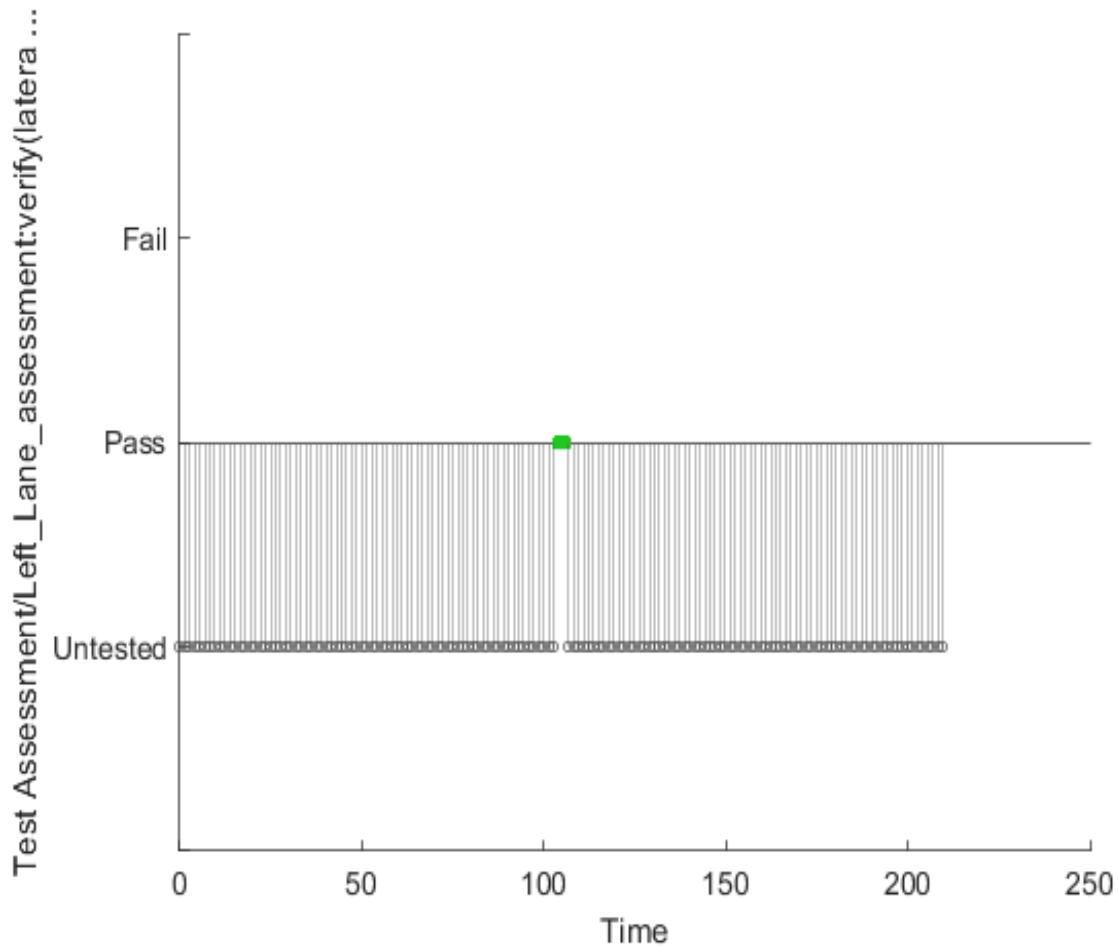
Name: 70° 50km/h  
Type: Simulation Test

## Verify Result

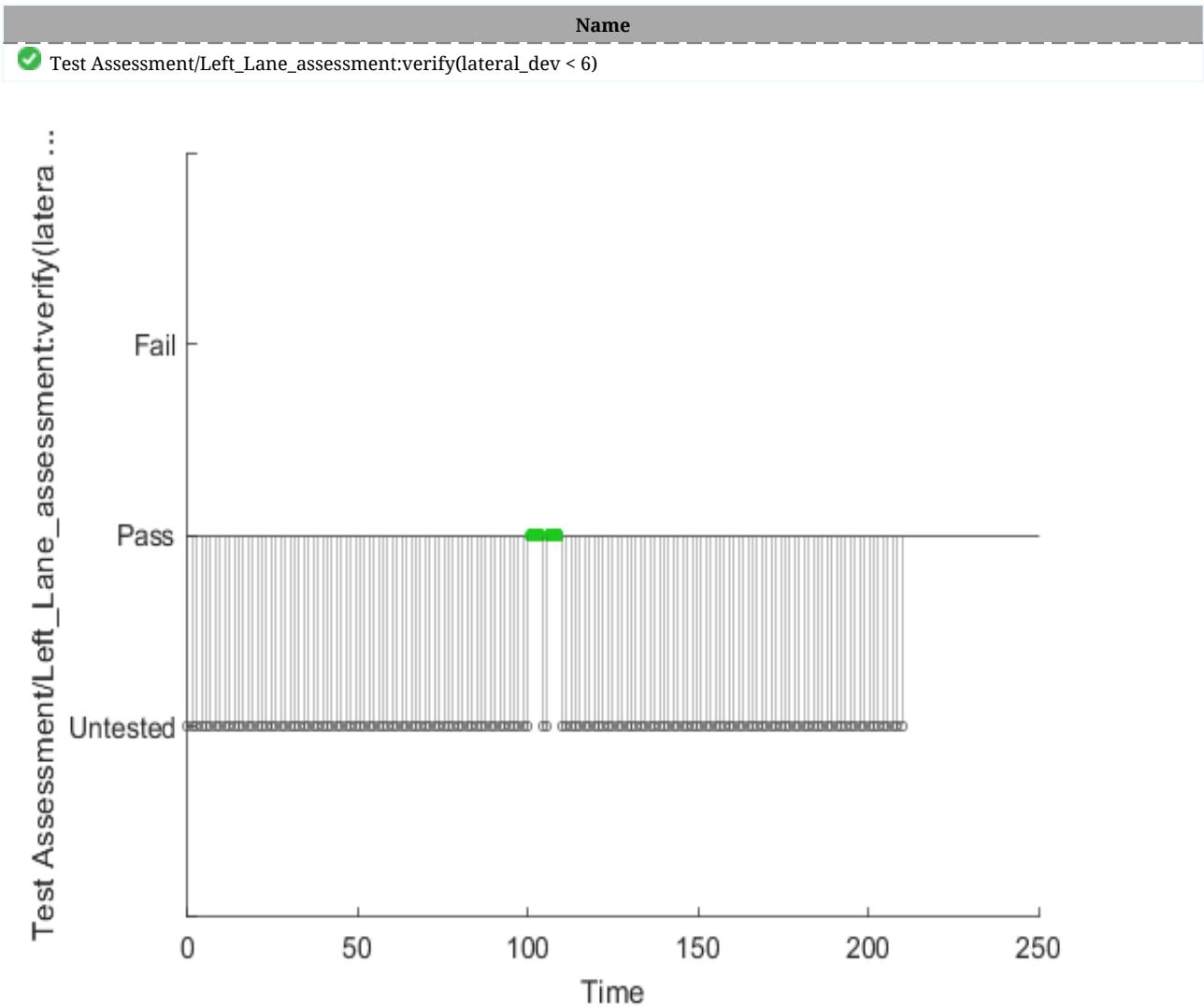
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



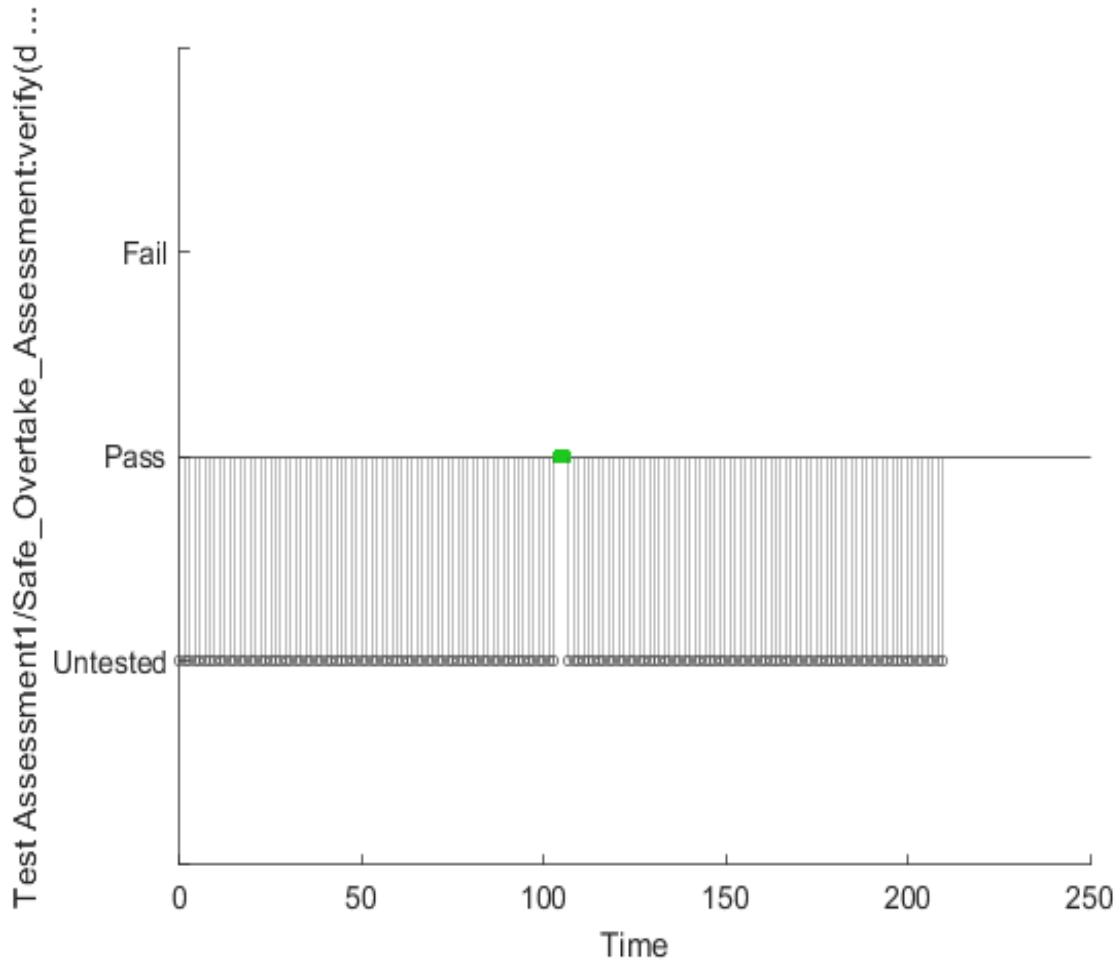
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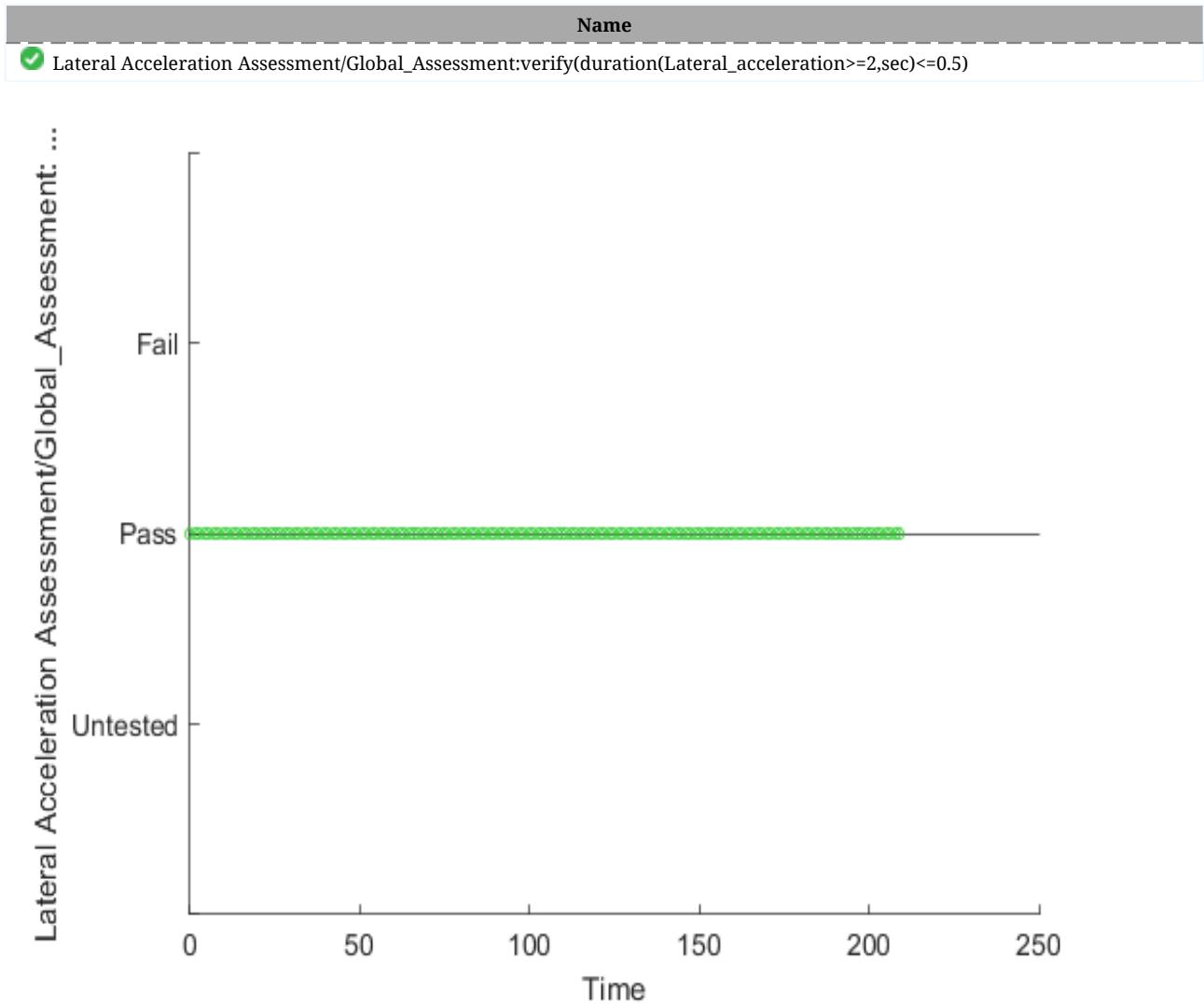
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

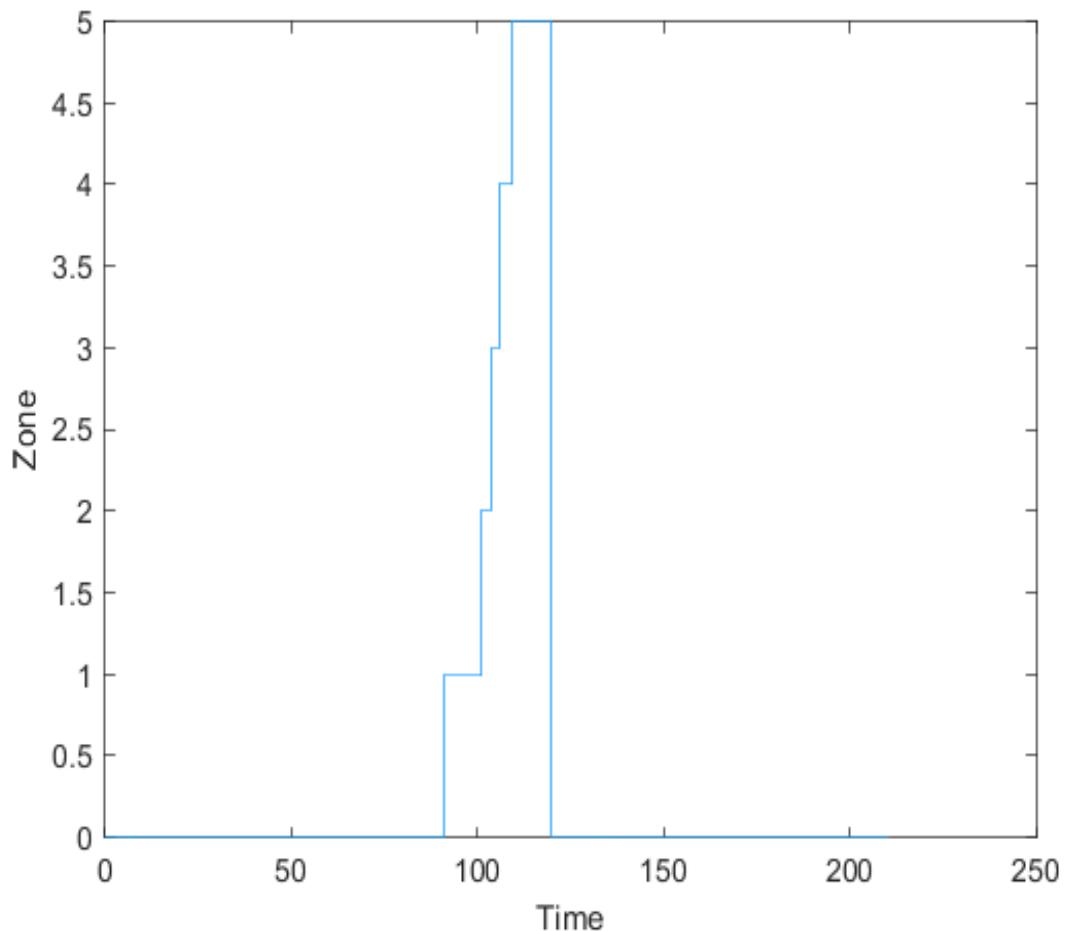
Start Time: 0  
Stop Time: 210.48161595730875  
Checksum: 1950608752 3325363458 1497884829 1748770208

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

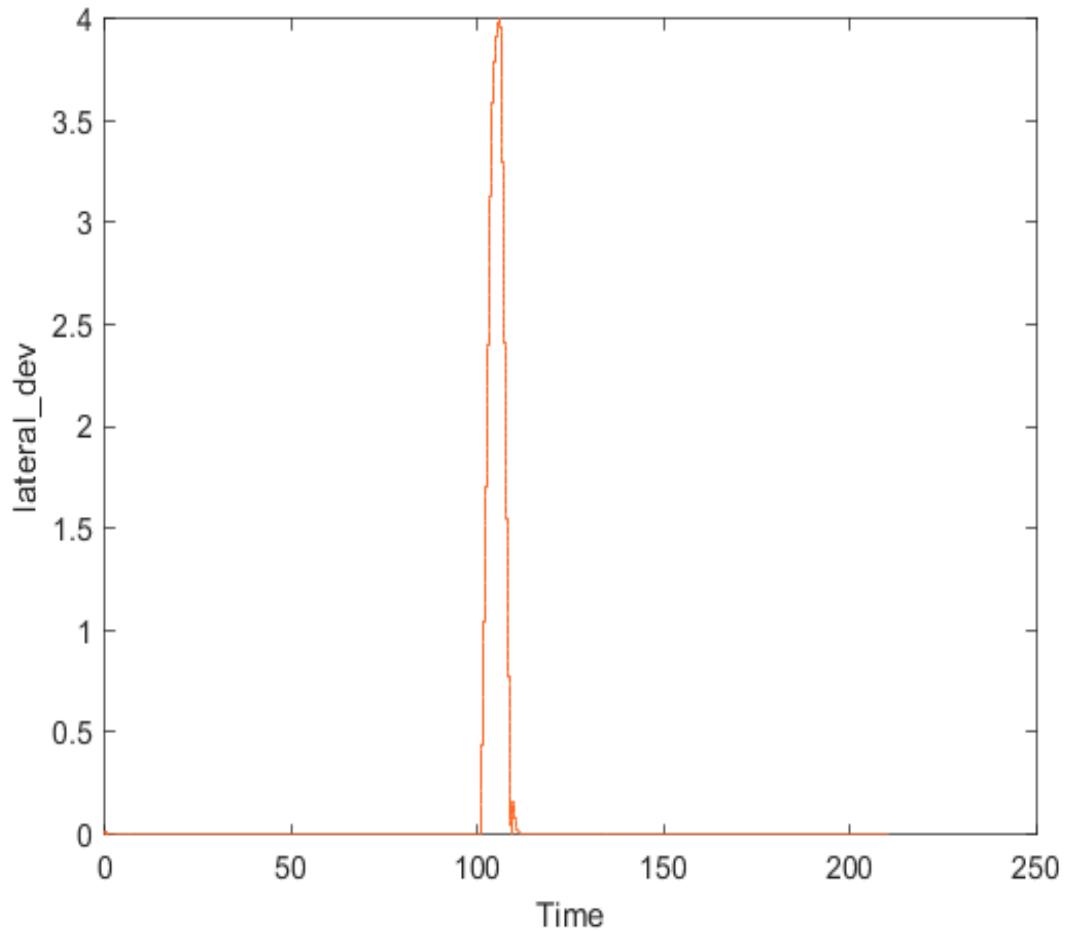
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 90° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:54:01  
End Time: 19-May-2021 17:54:16  
Outcome: Passed

## Test Case Information

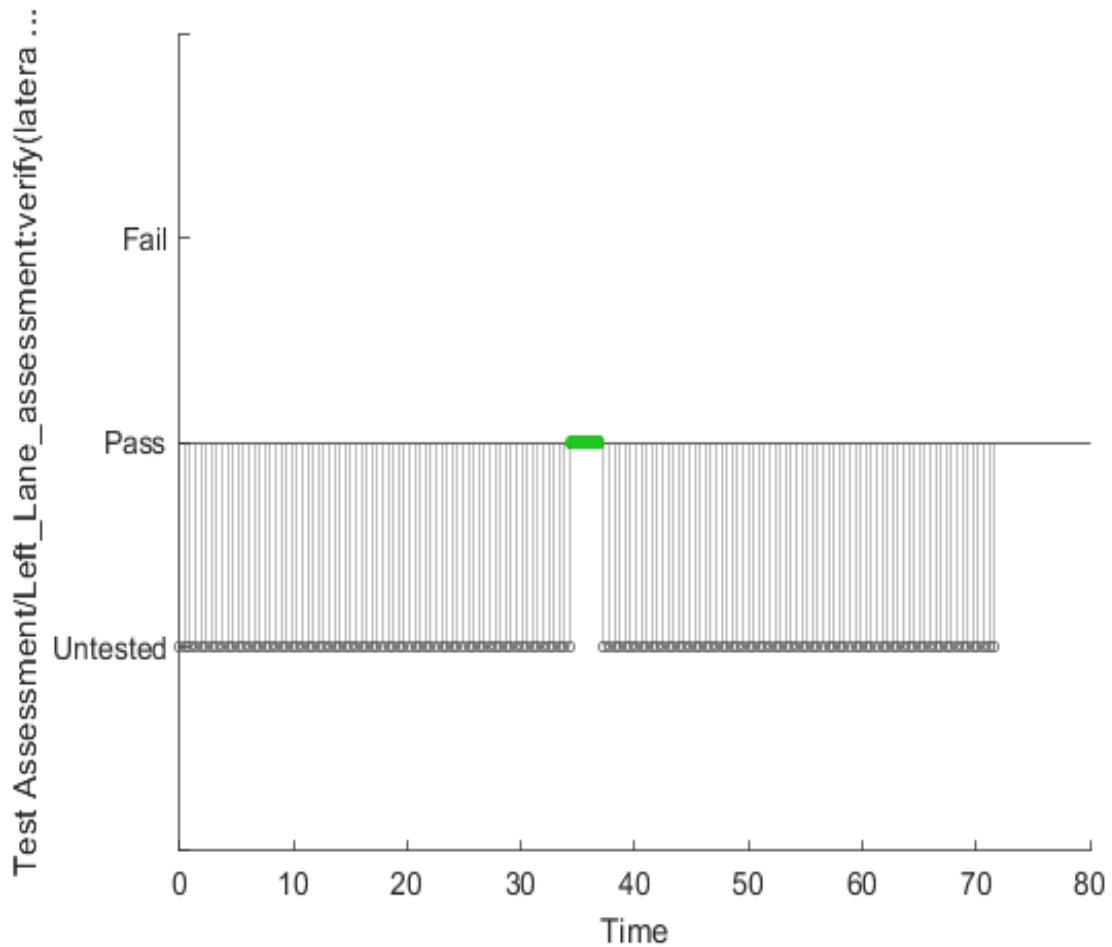
Name: 90° 50km/h  
Type: Simulation Test

## Verify Result

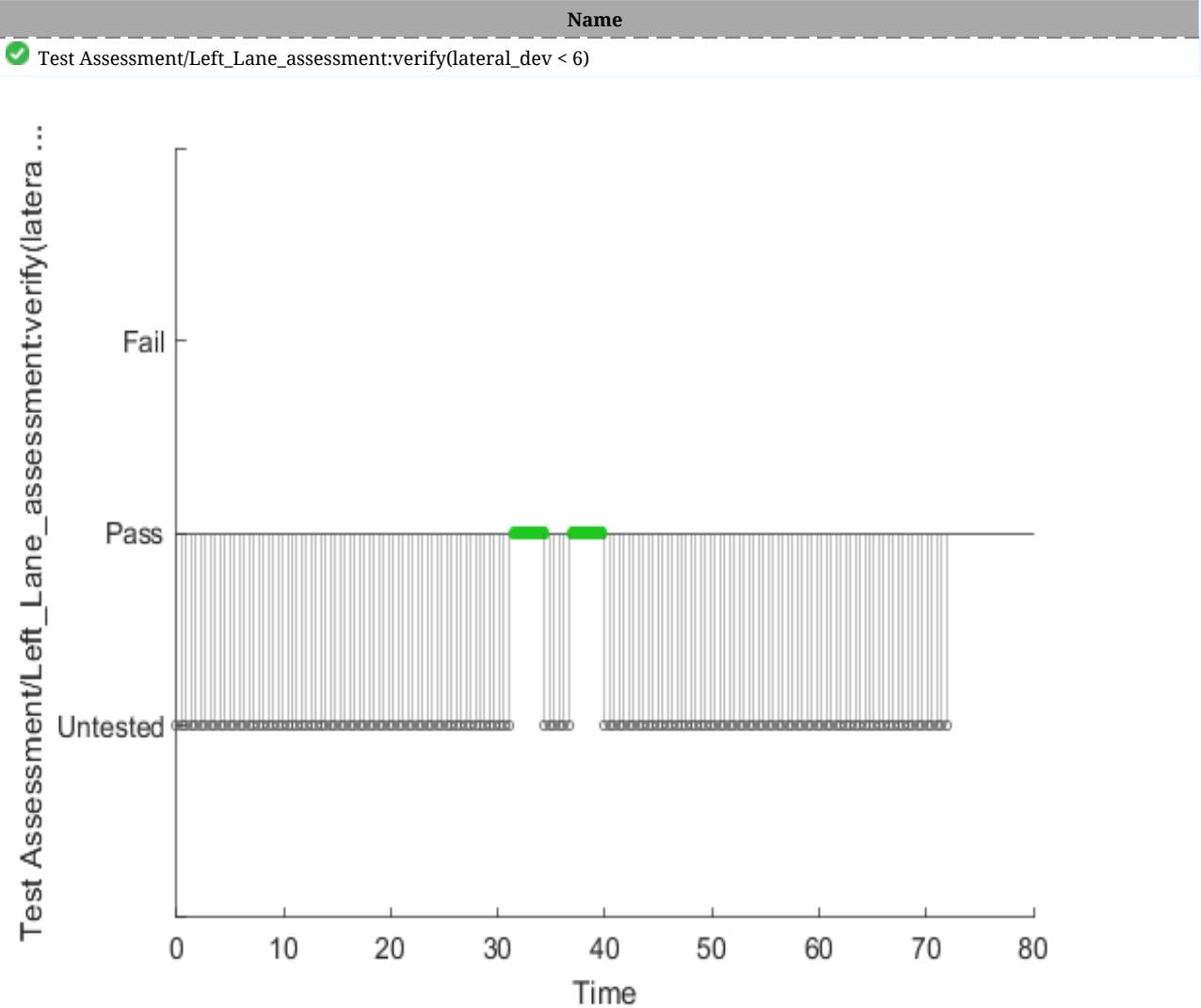
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



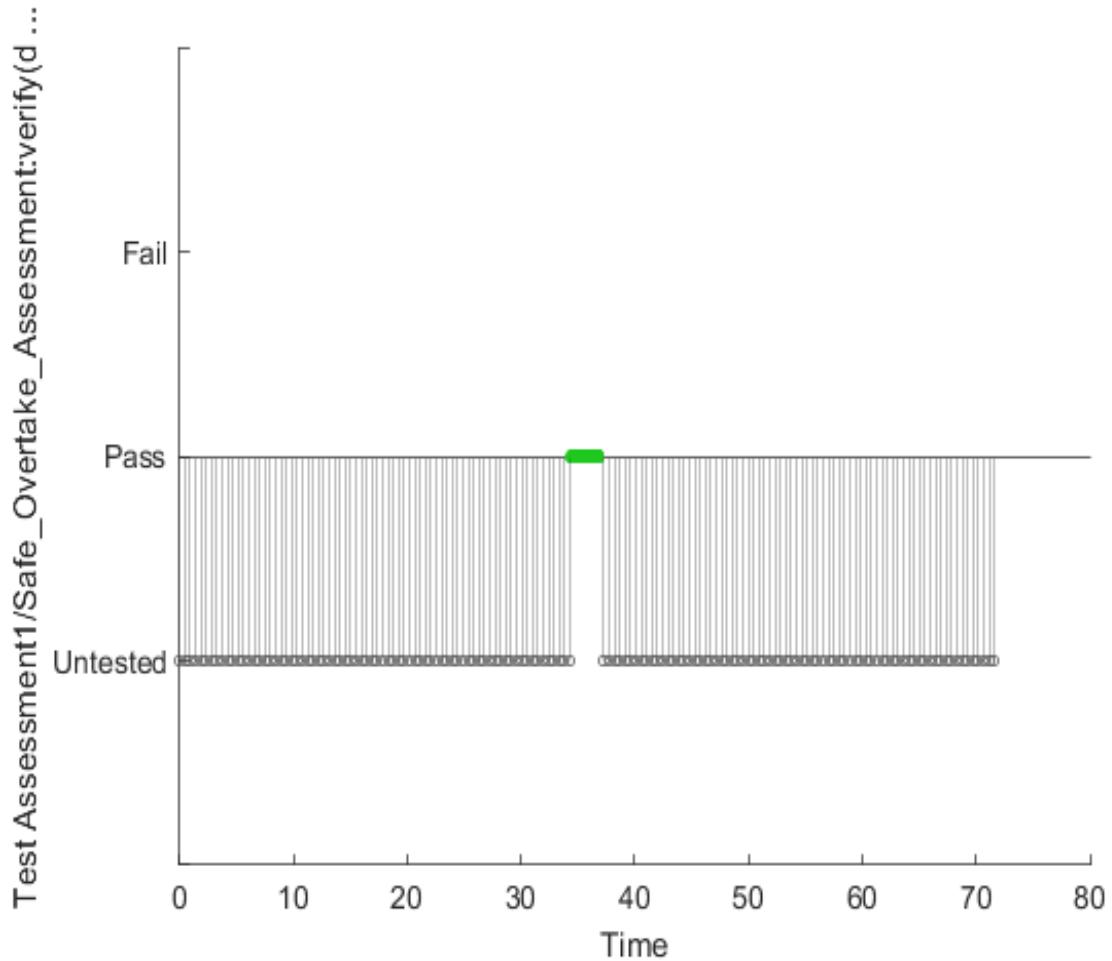
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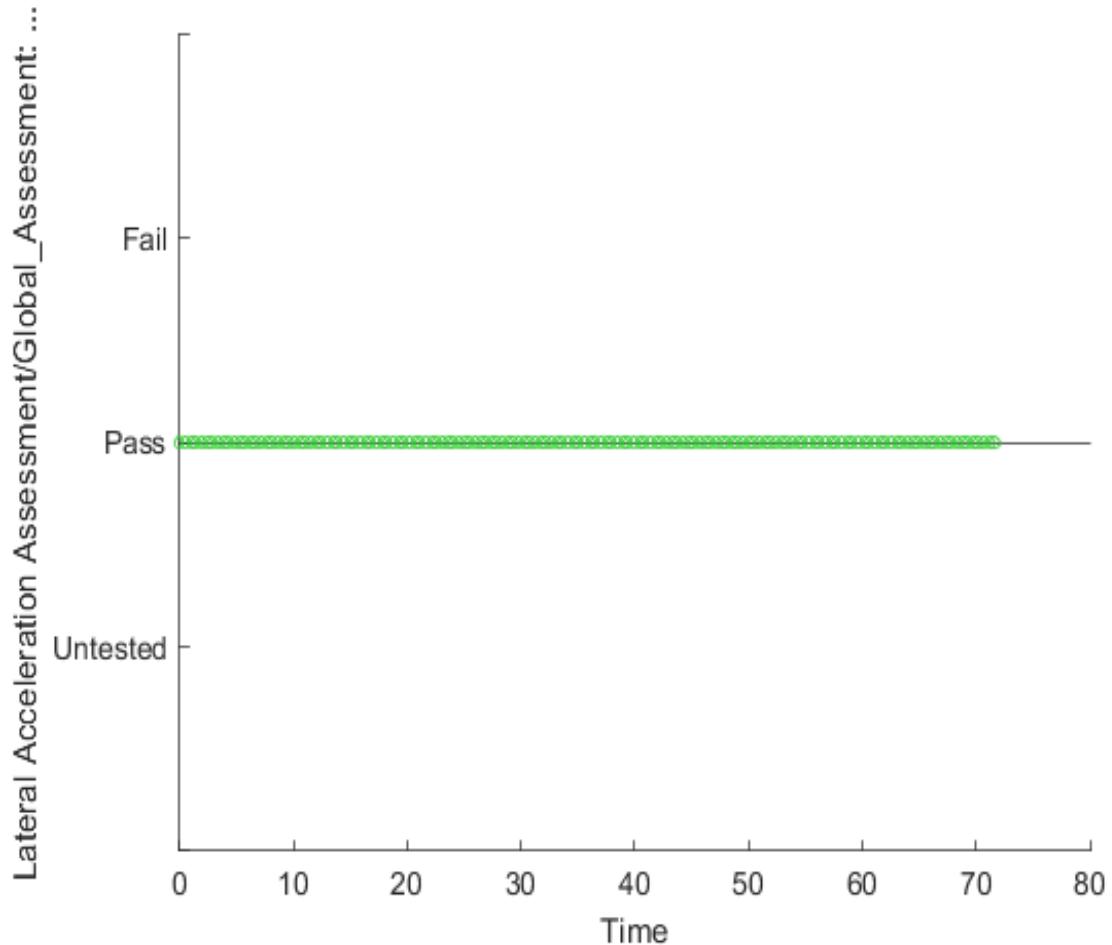
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

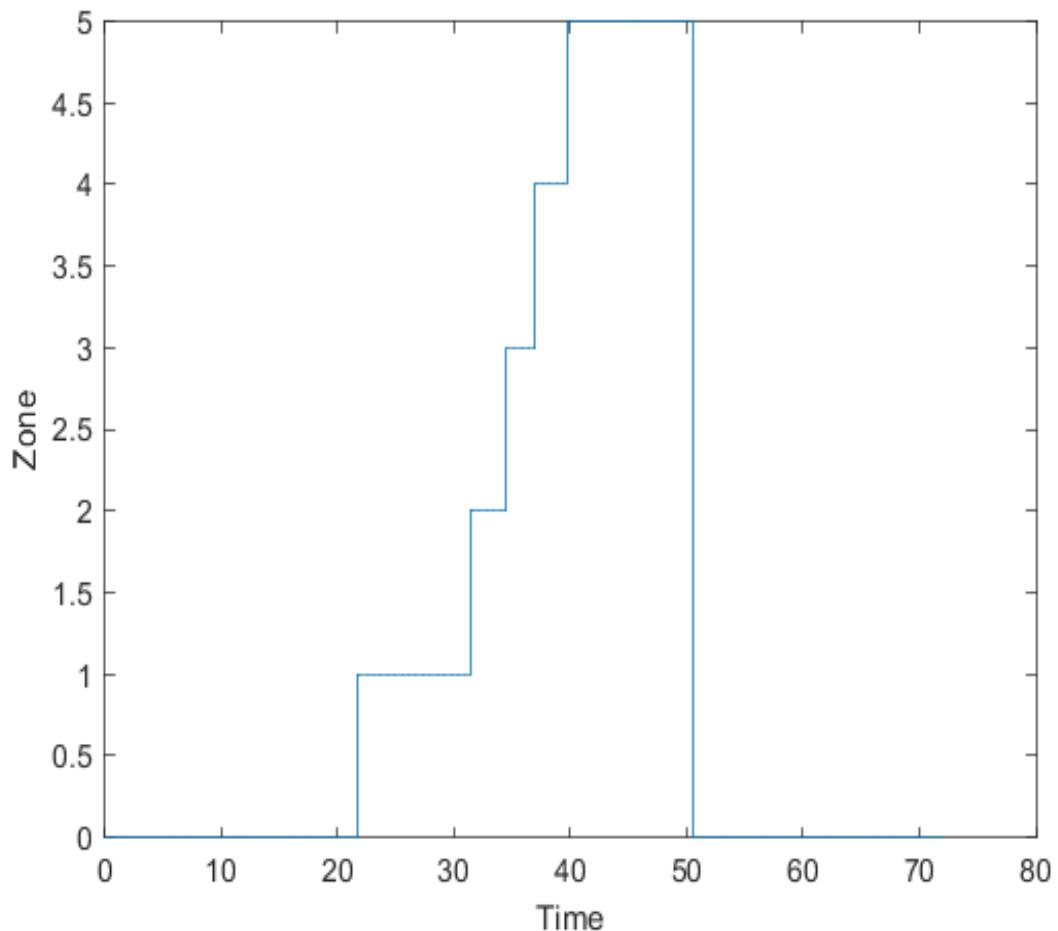
Start Time: 0  
Stop Time: 72  
Checksum: 1502734452 2262212197 3166314975 3808746684

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

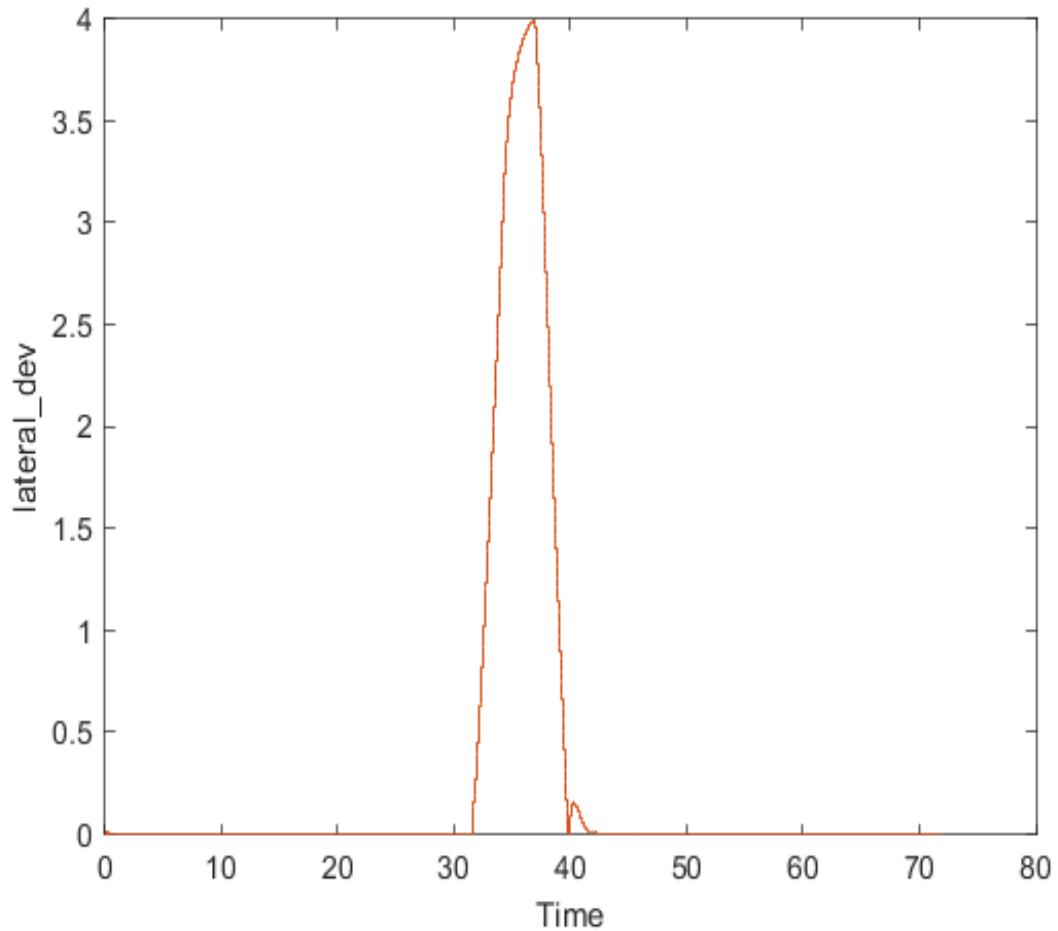
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 110° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:54:16  
End Time: 19-May-2021 17:54:32  
Outcome: Passed

## Test Case Information

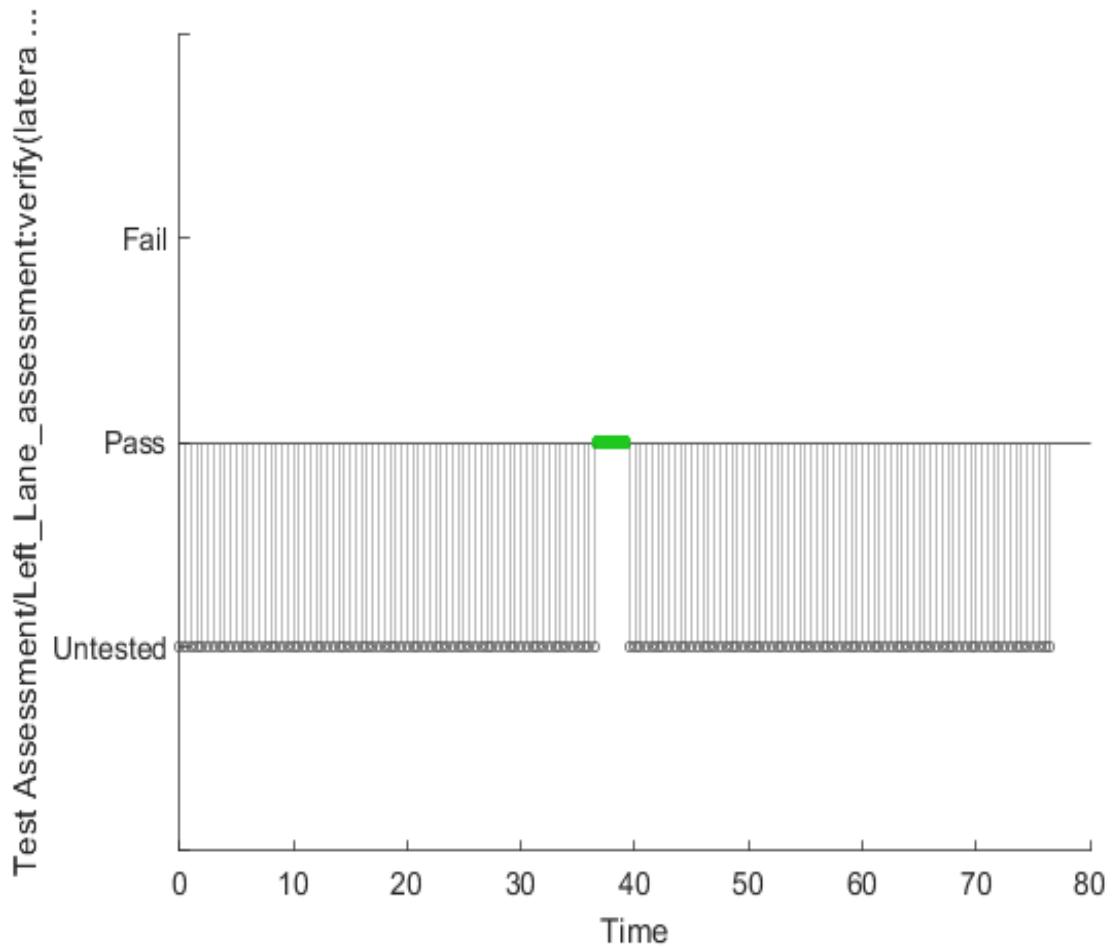
Name: 110° 50km/h  
Type: Simulation Test

## Verify Result

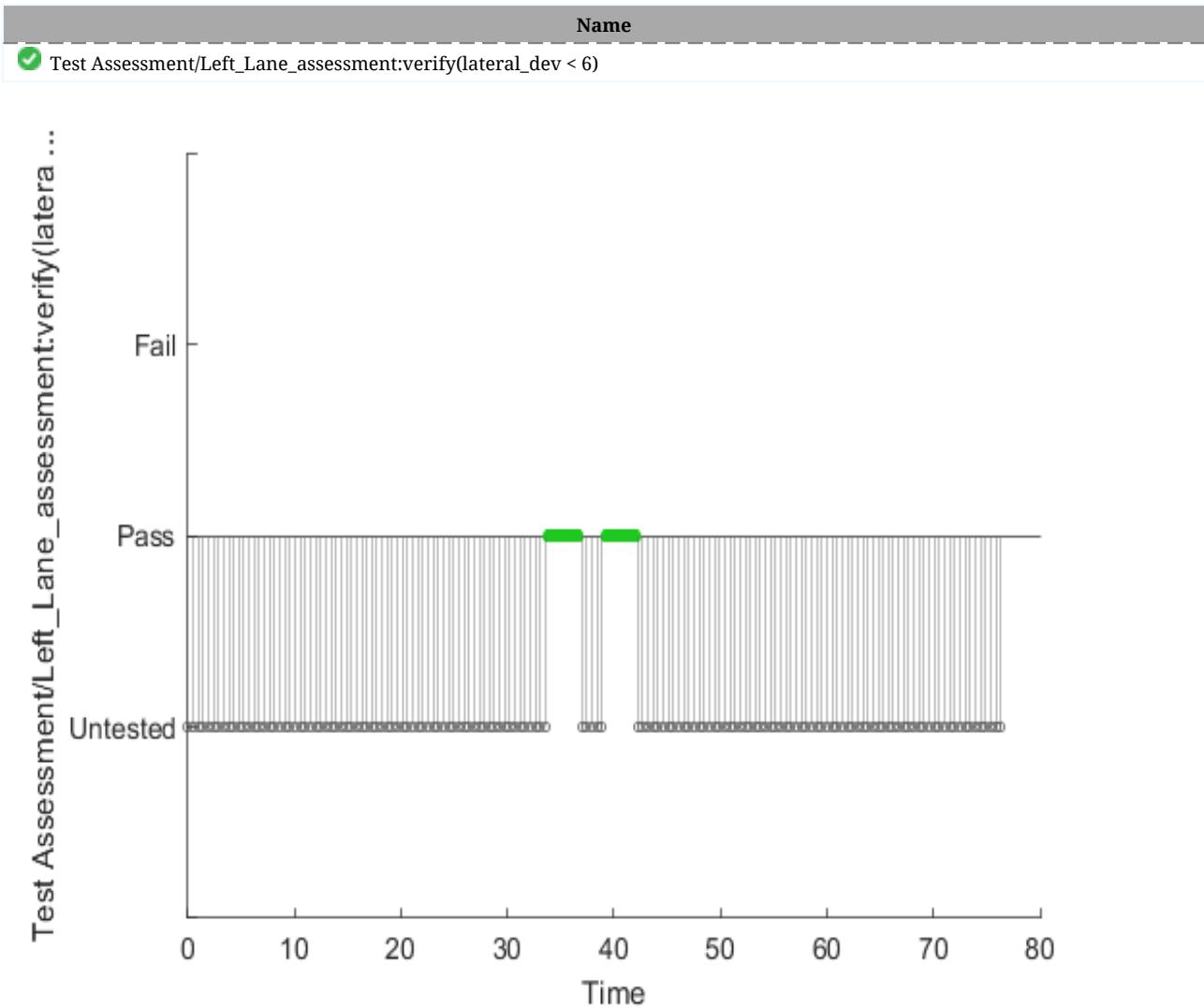
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



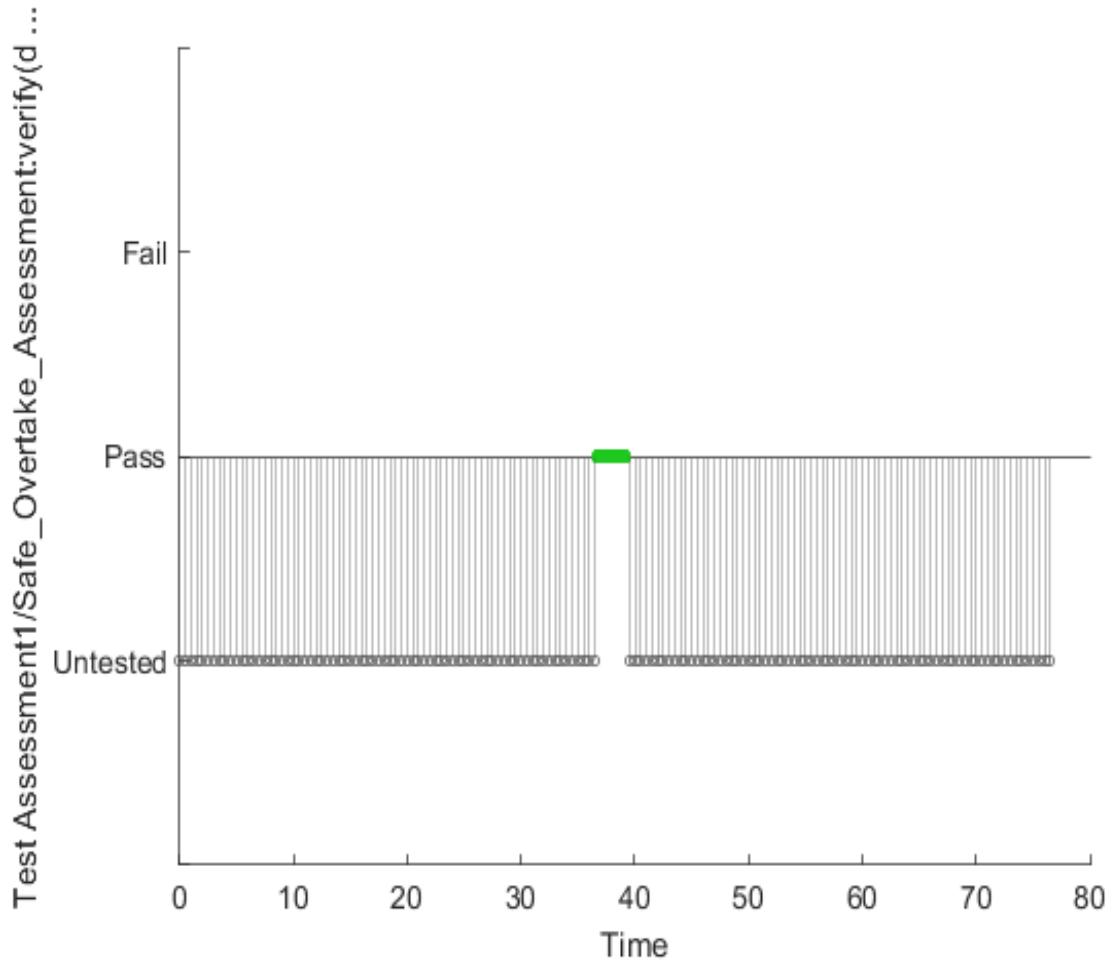
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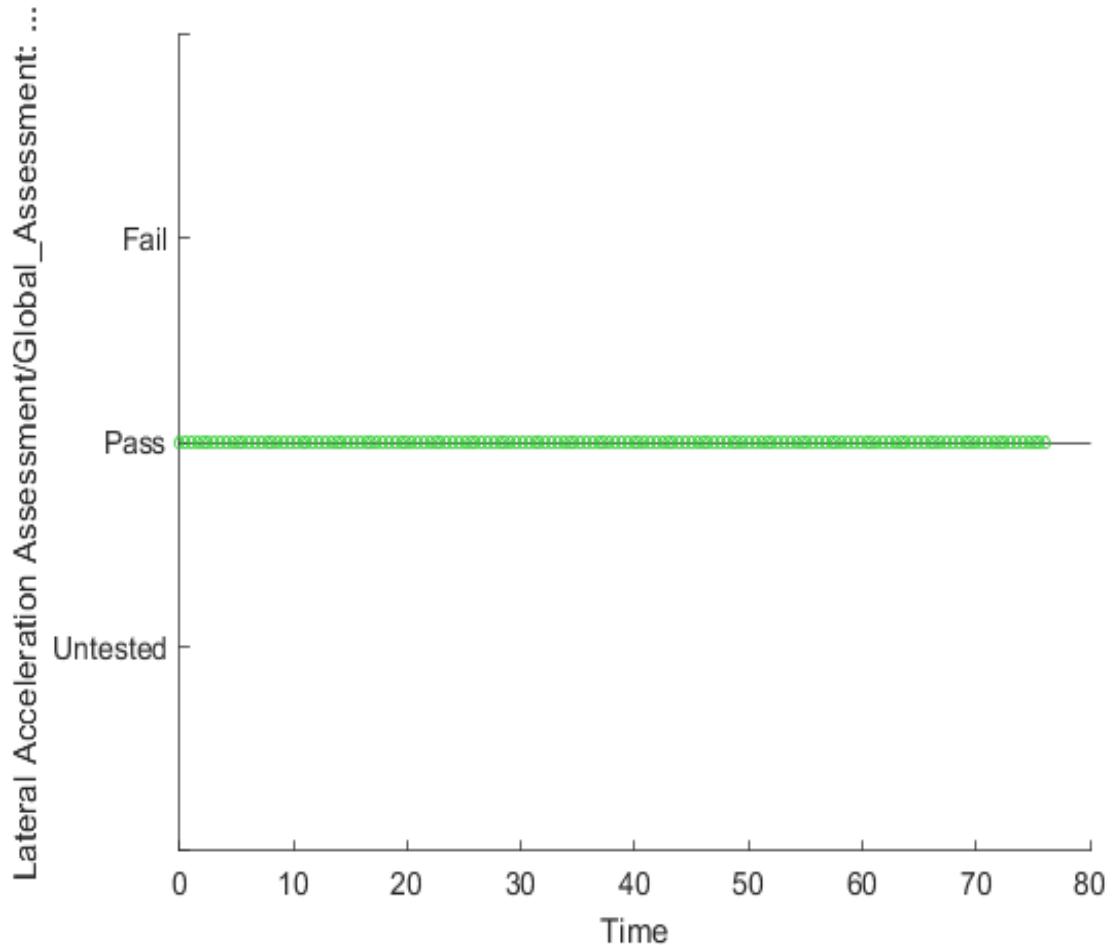
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

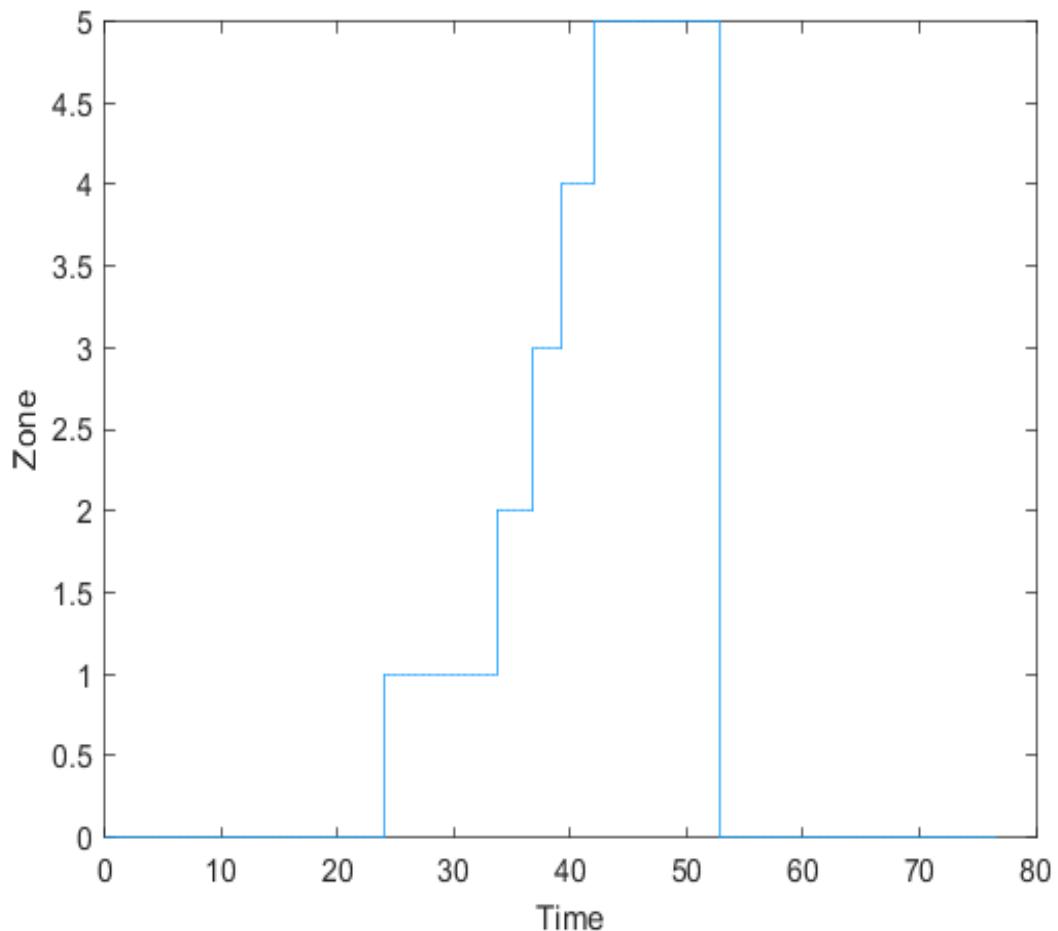
Start Time: 0  
Stop Time: 76.621532639330582  
Checksum: 3821062831 3255092513 2916787452 2306155687

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

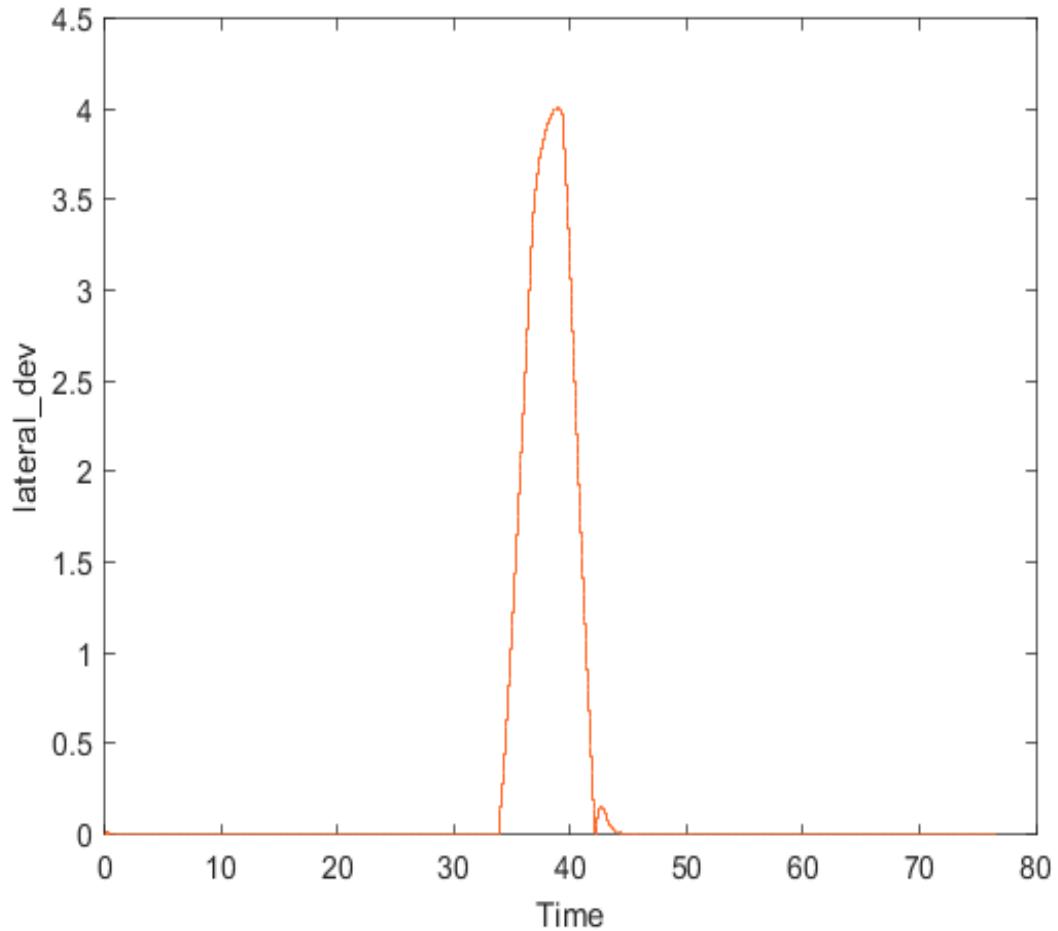
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 135° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:54:32  
End Time: 19-May-2021 17:54:54  
Outcome: Passed

## Test Case Information

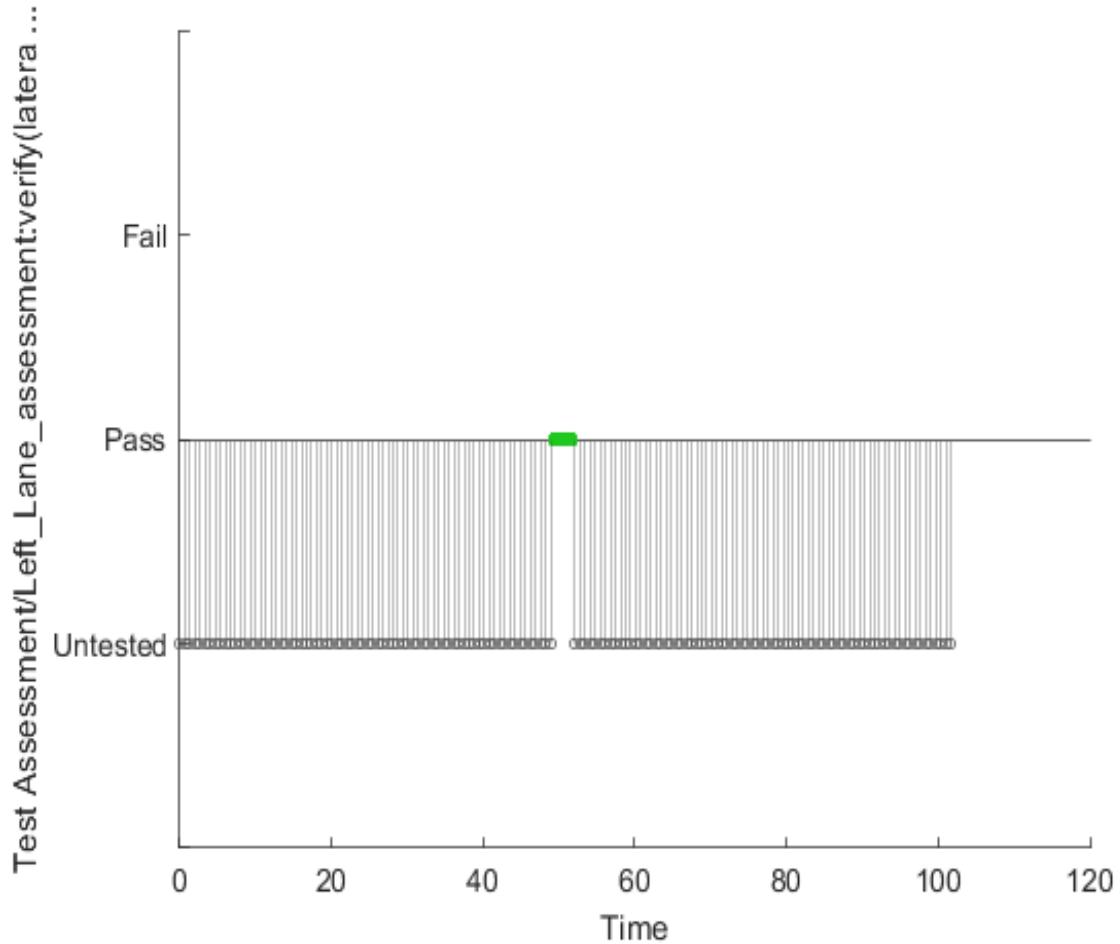
Name: 135° 50km/h  
Type: Simulation Test

## Verify Result

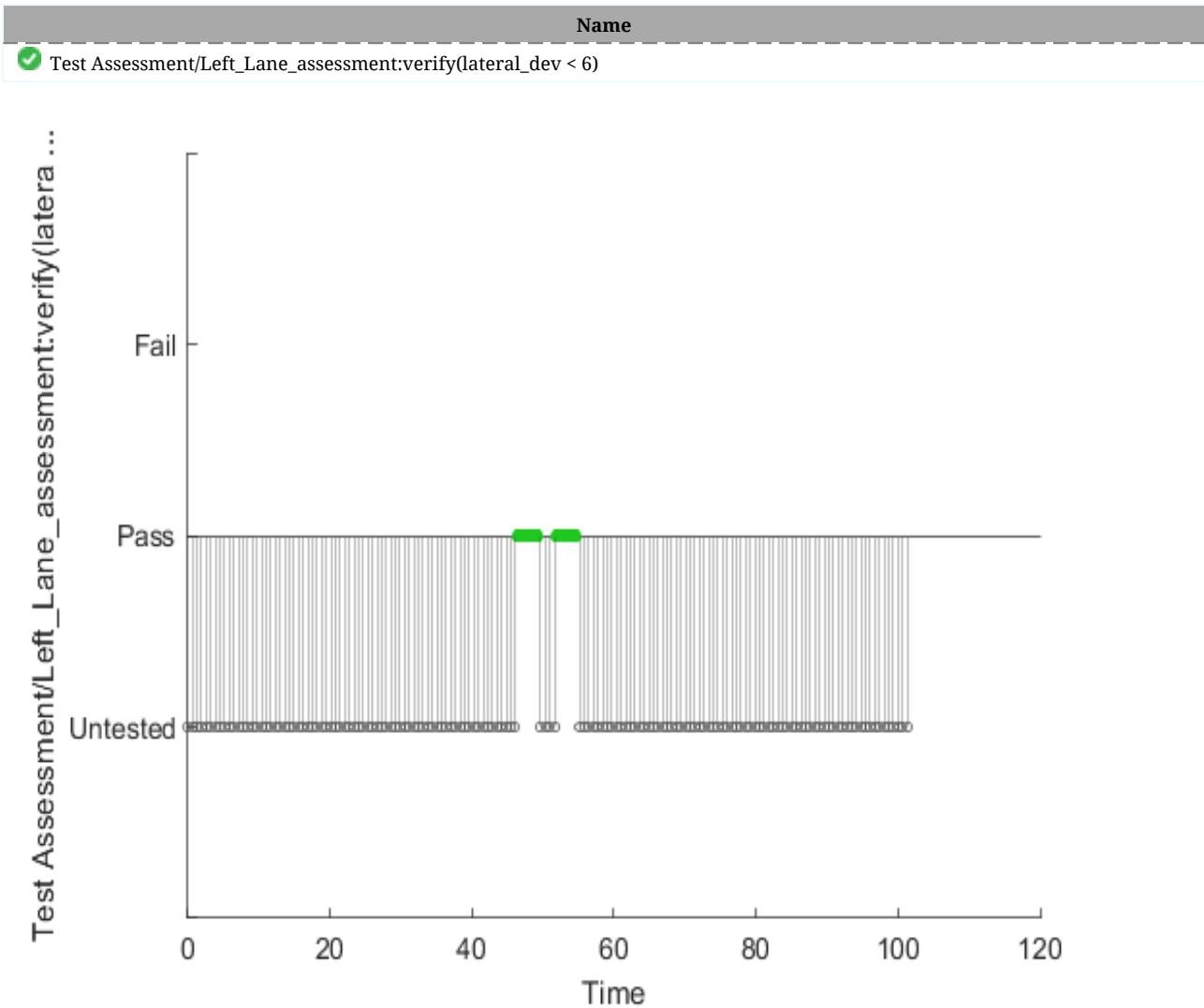
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



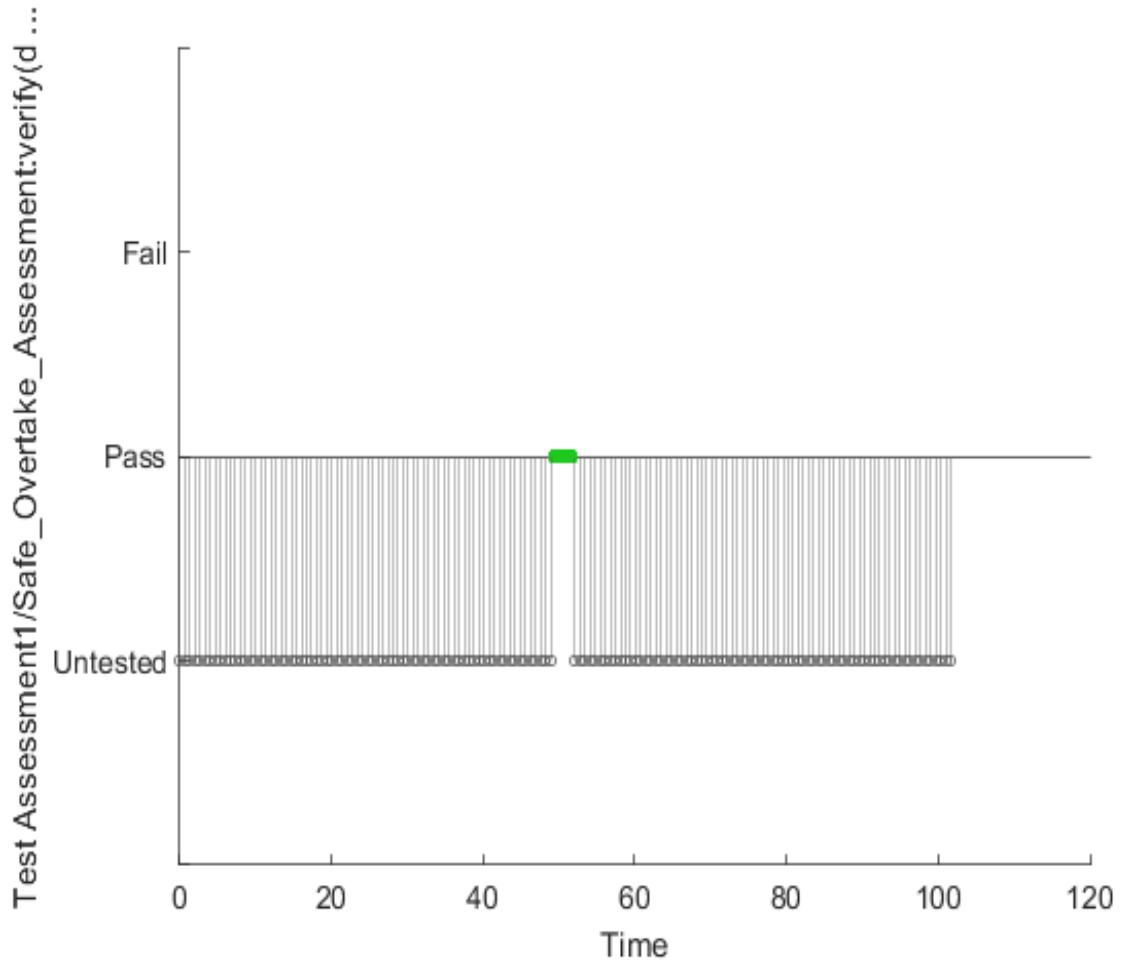
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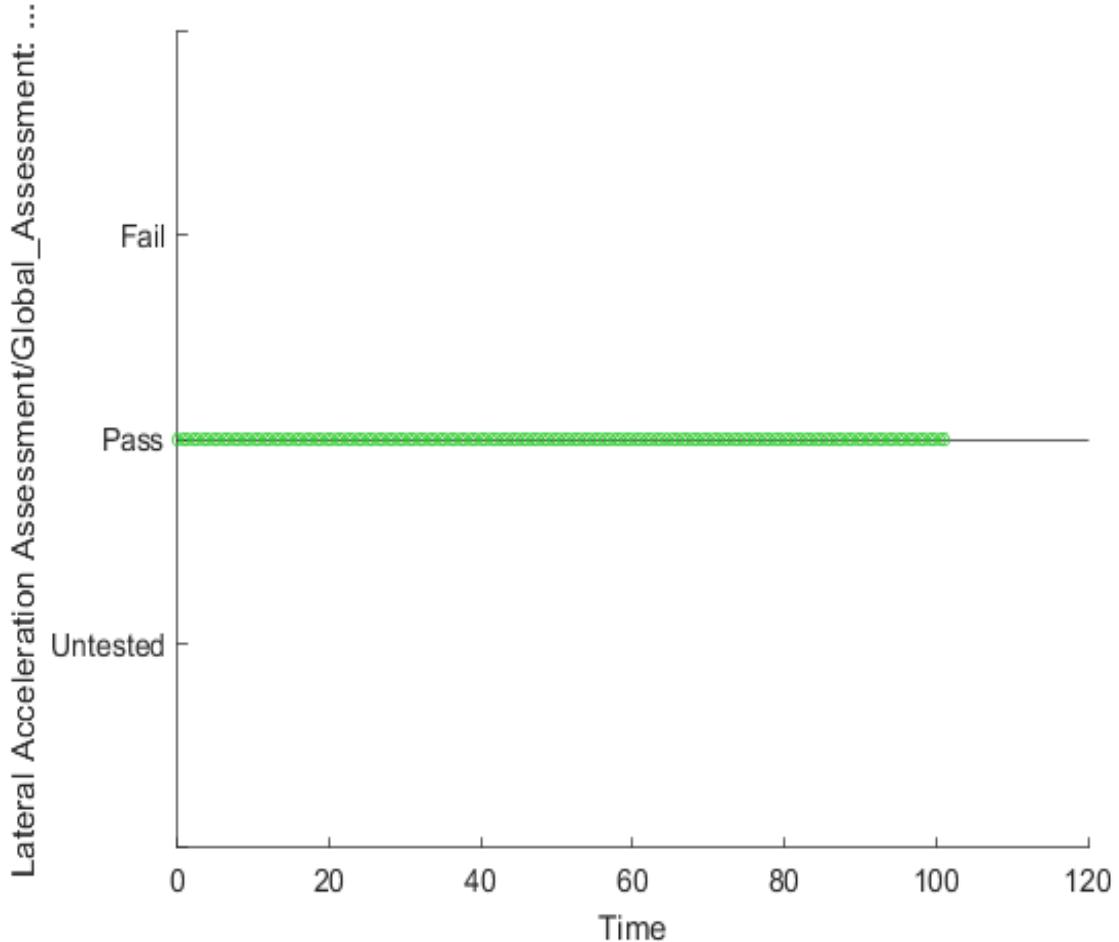
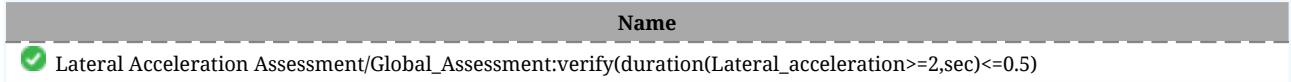
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

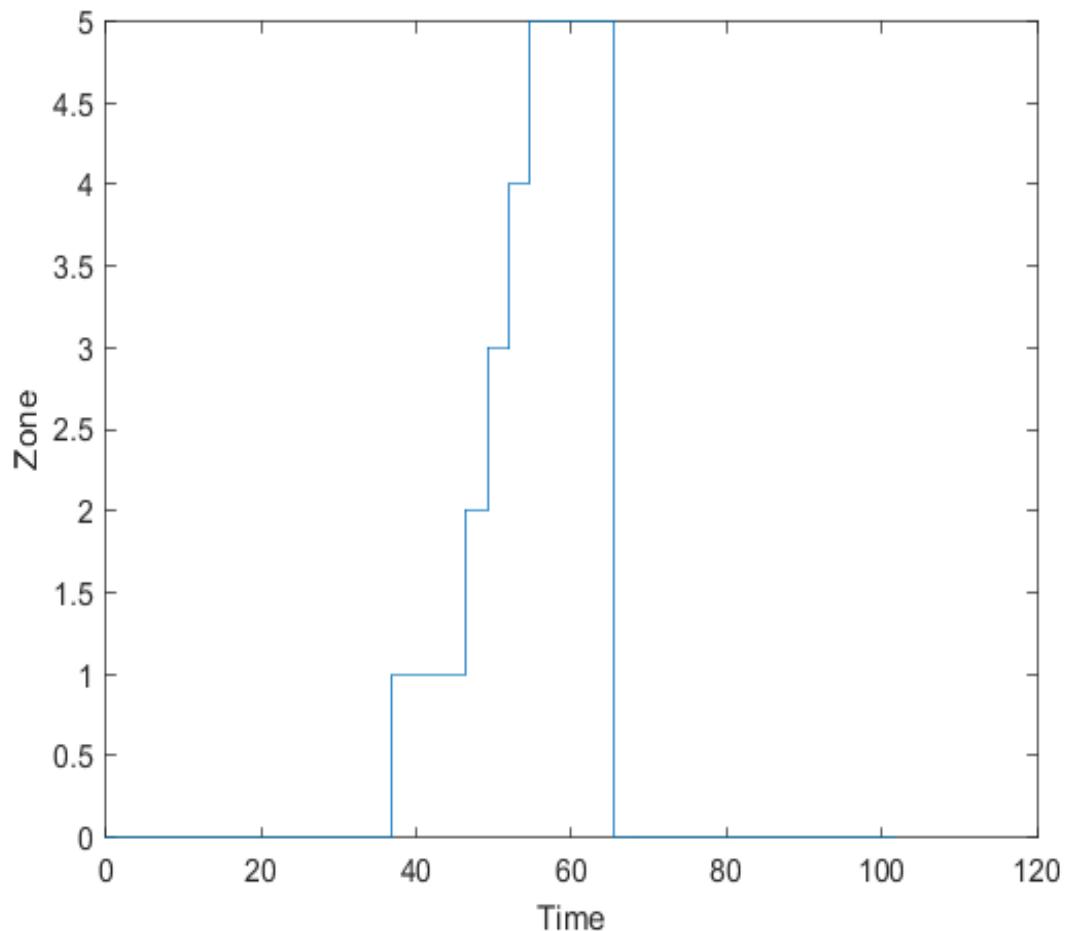
Start Time: 0  
Stop Time: 101.82337649086284  
Checksum: 3897230891 2554983064 1445871265 2888259817

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

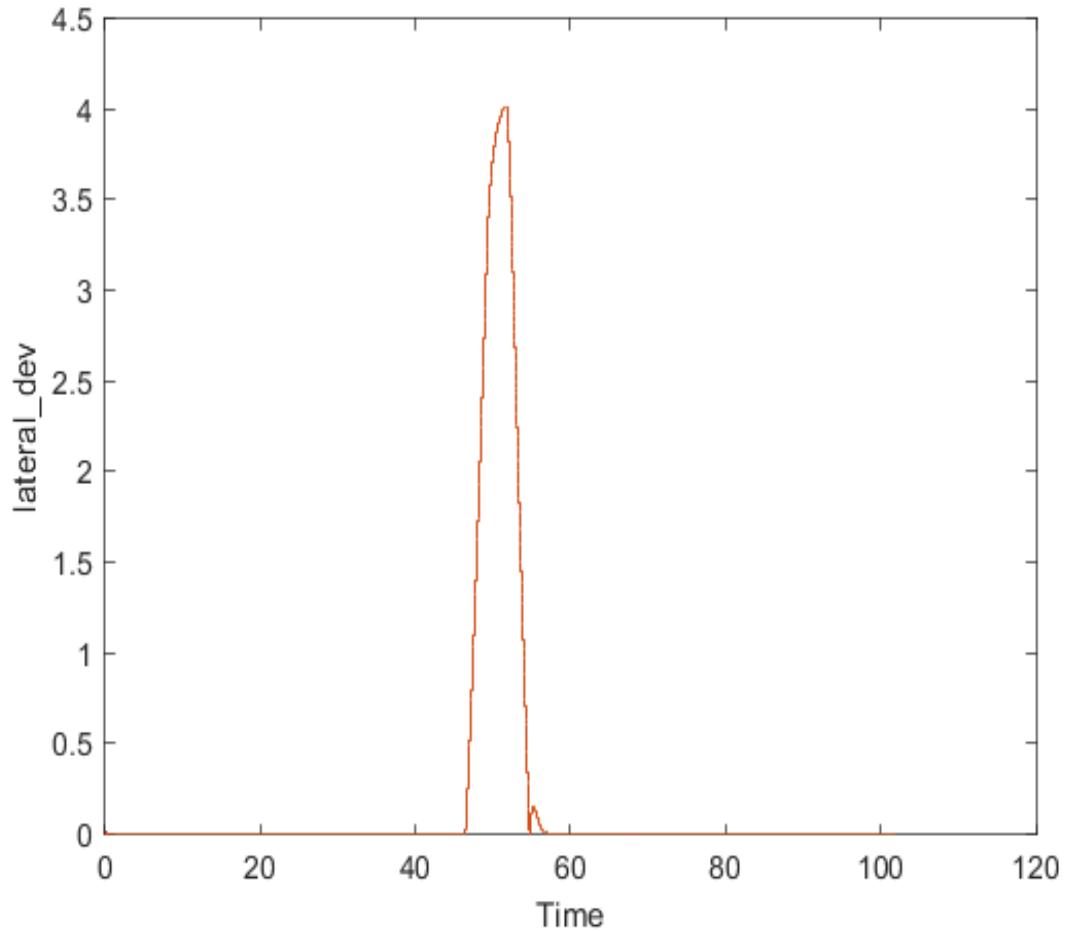
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 160° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:54:54  
End Time: 19-May-2021 17:55:42  
Outcome: Passed

## Test Case Information

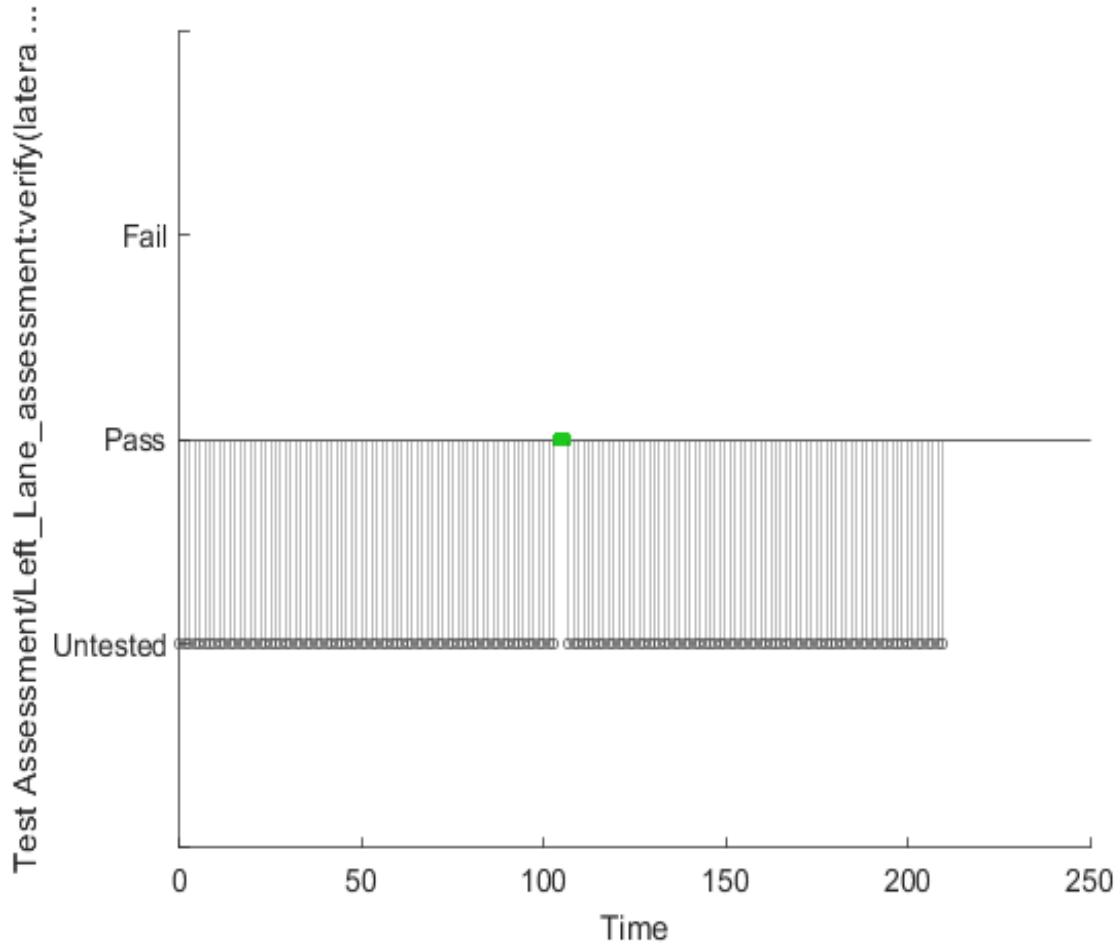
Name: 160° 50km/h  
Type: Simulation Test

## Verify Result

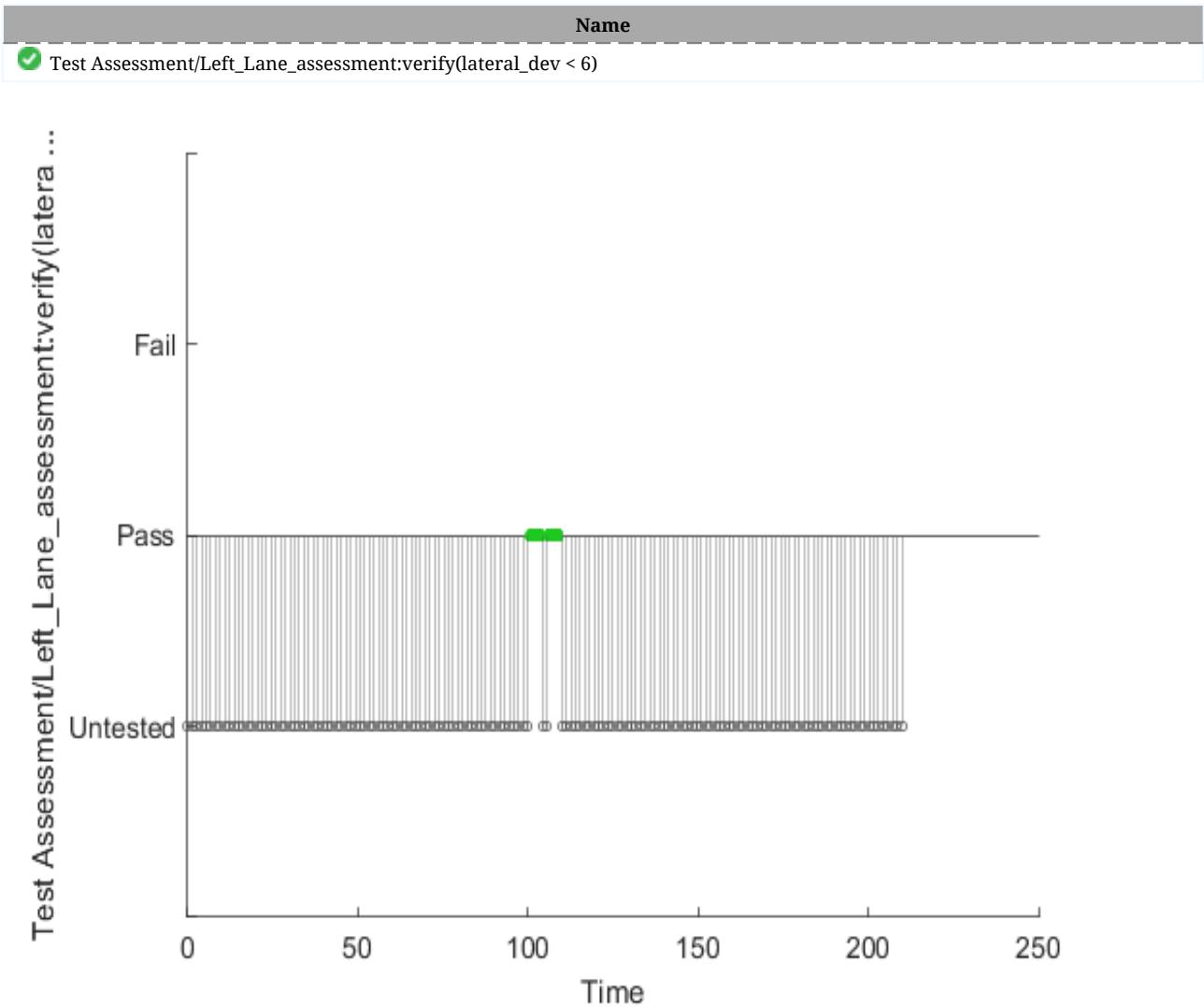
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



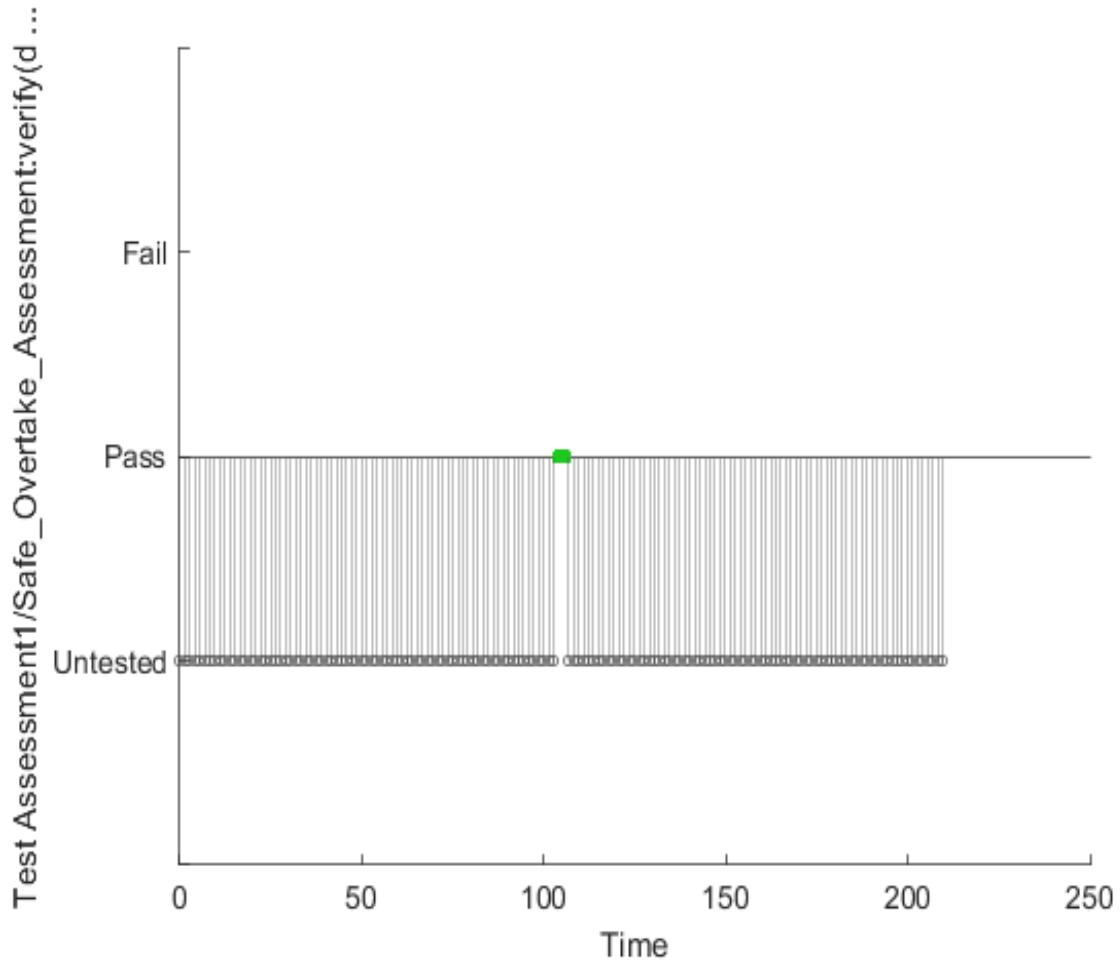
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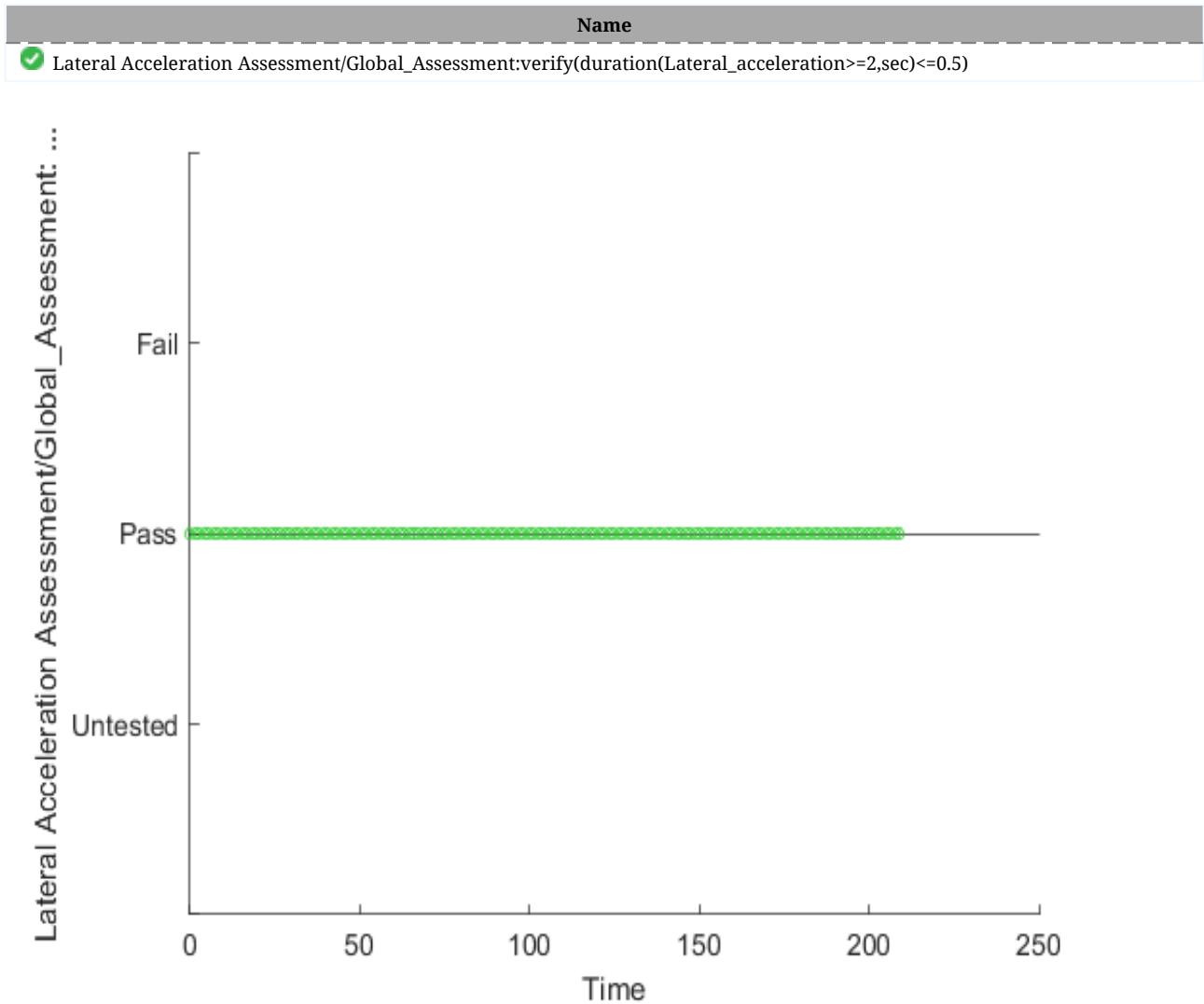
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

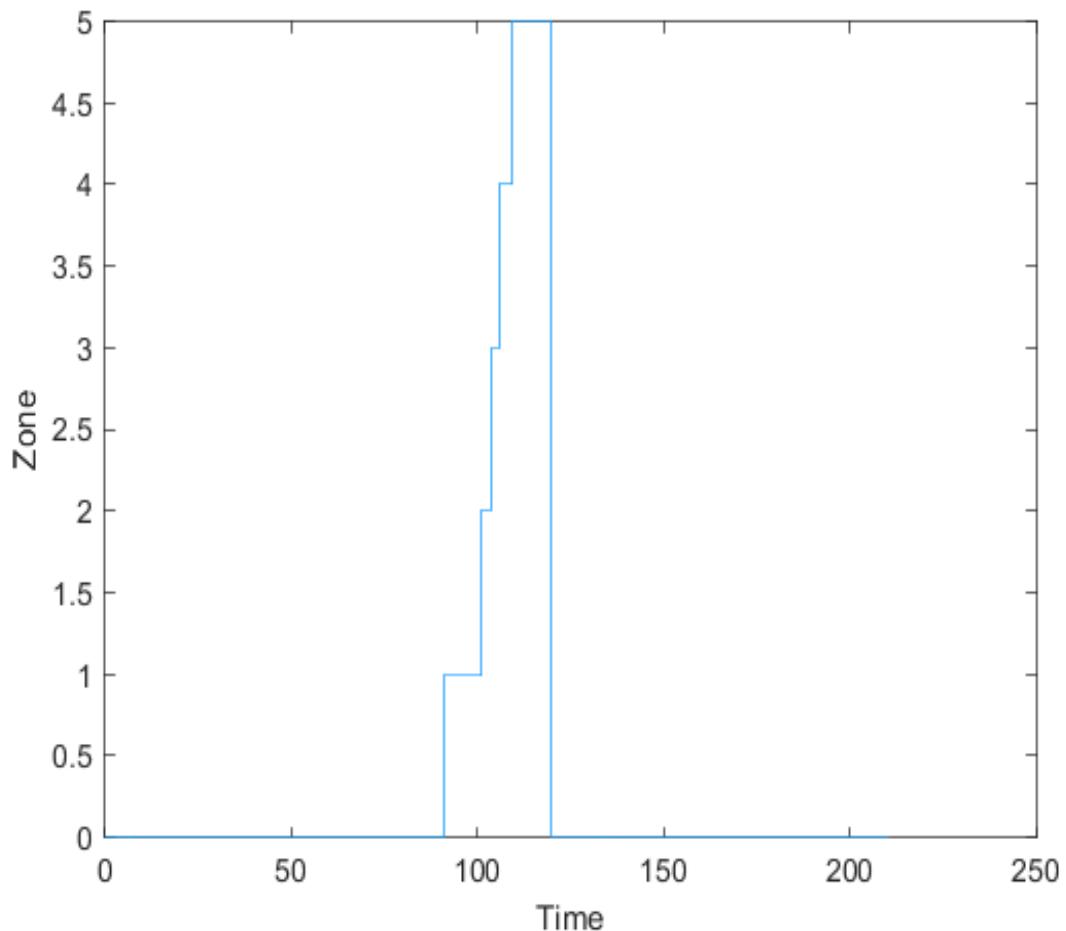
Start Time: 0  
Stop Time: 210.48161595730875  
Checksum: 1950608752 3325363458 1497884829 1748770208

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

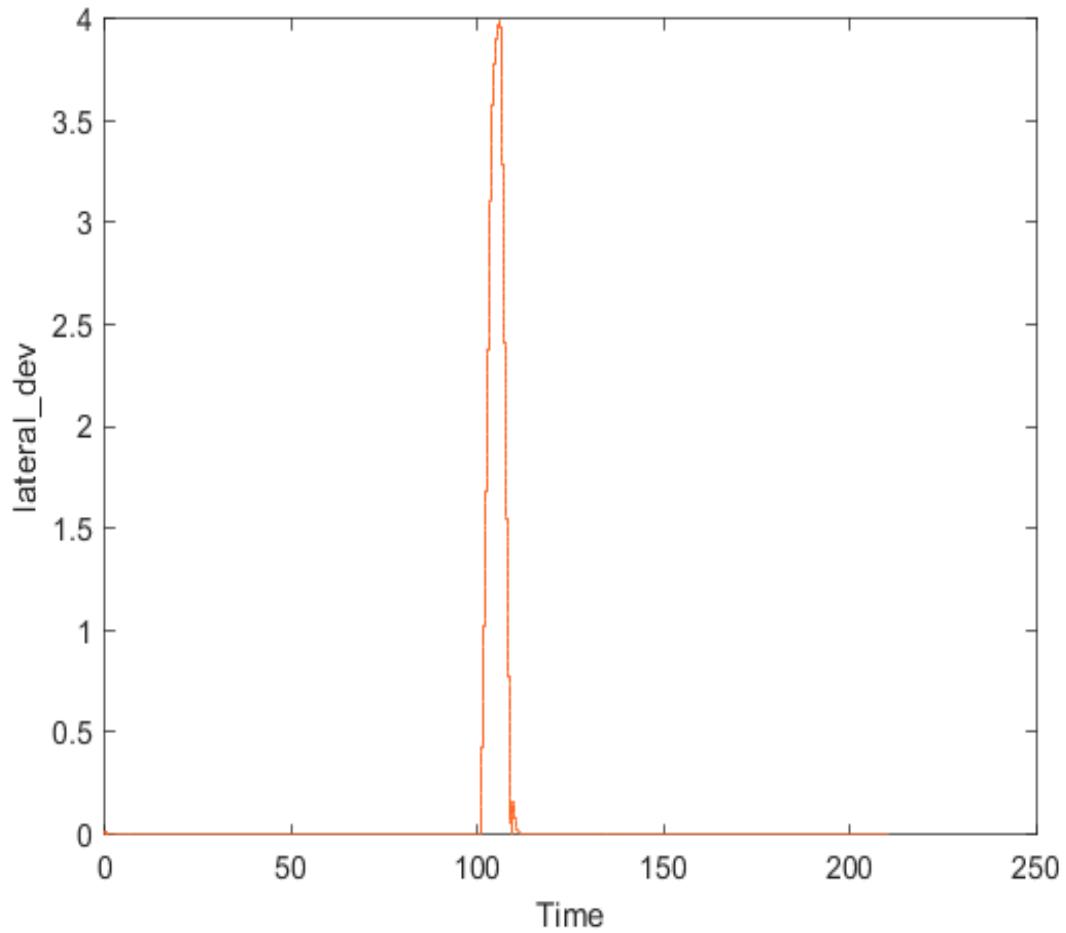
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 180° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:55:42  
End Time: 19-May-2021 17:55:56  
Outcome: Passed

## Test Case Information

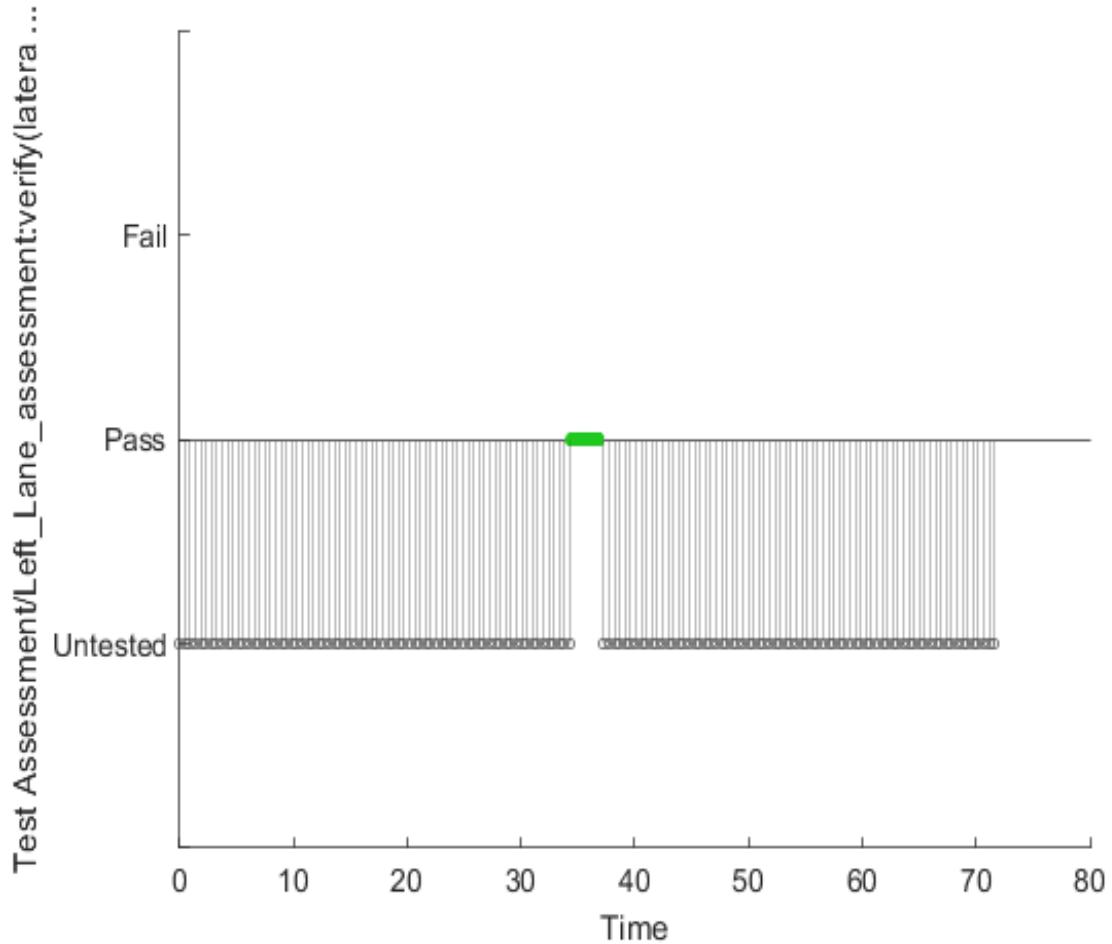
Name: 180° 50km/h  
Type: Simulation Test

## Verify Result

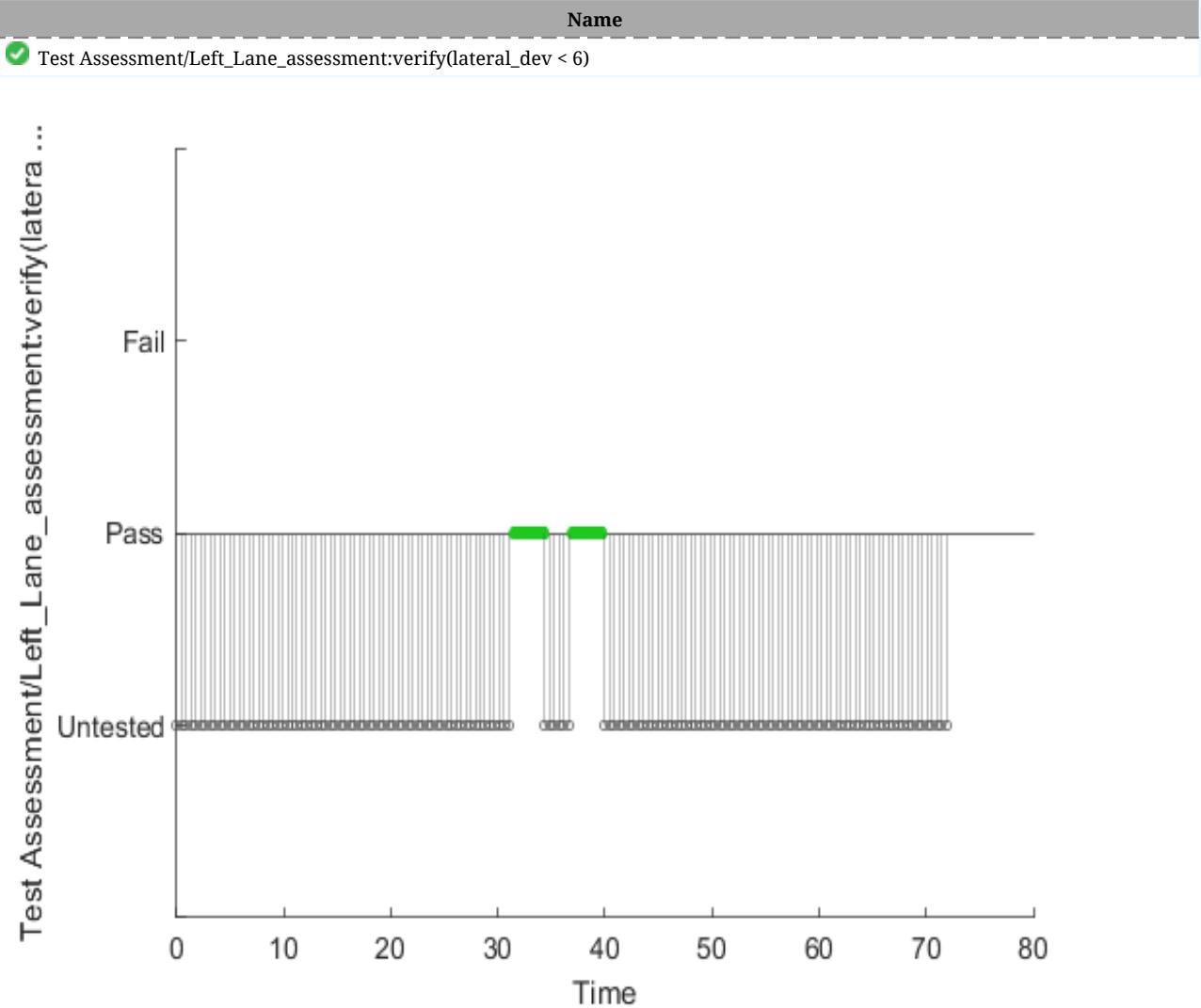
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



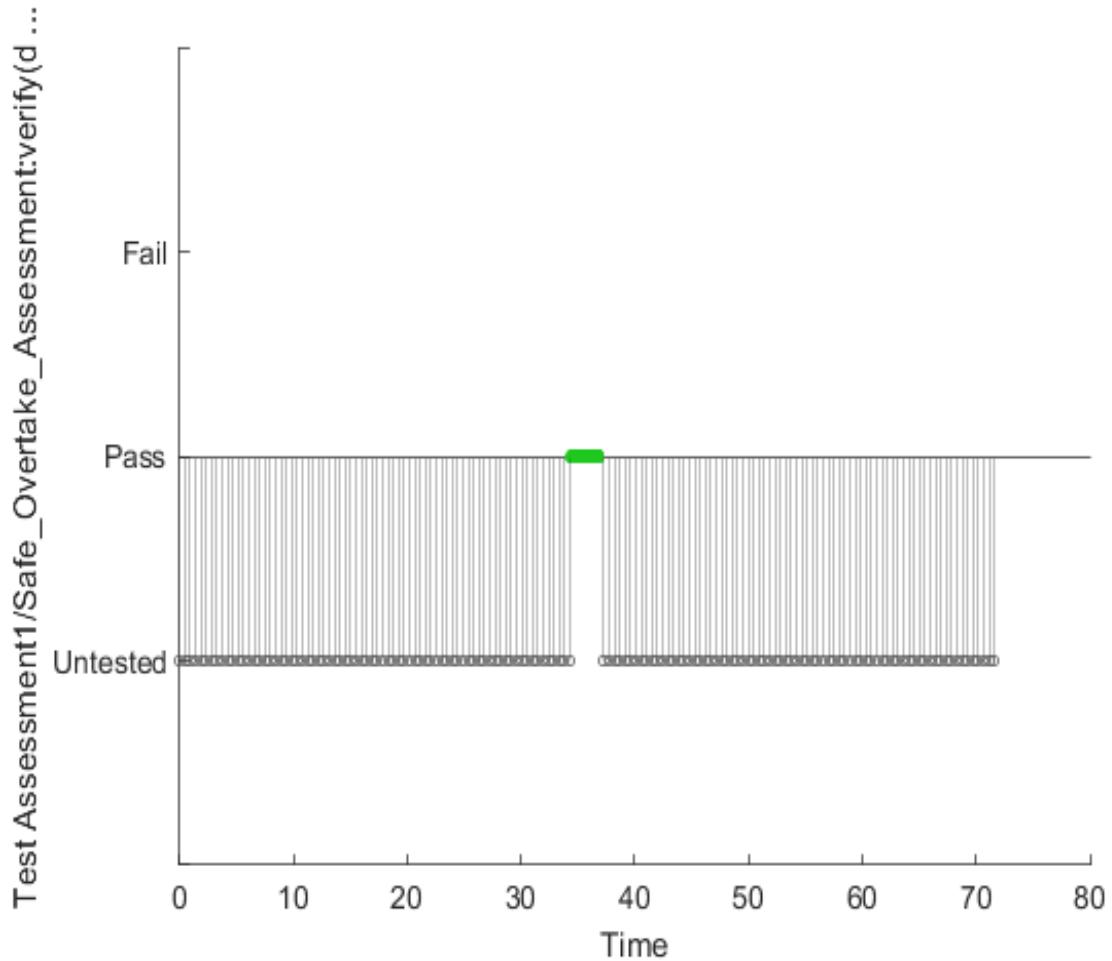
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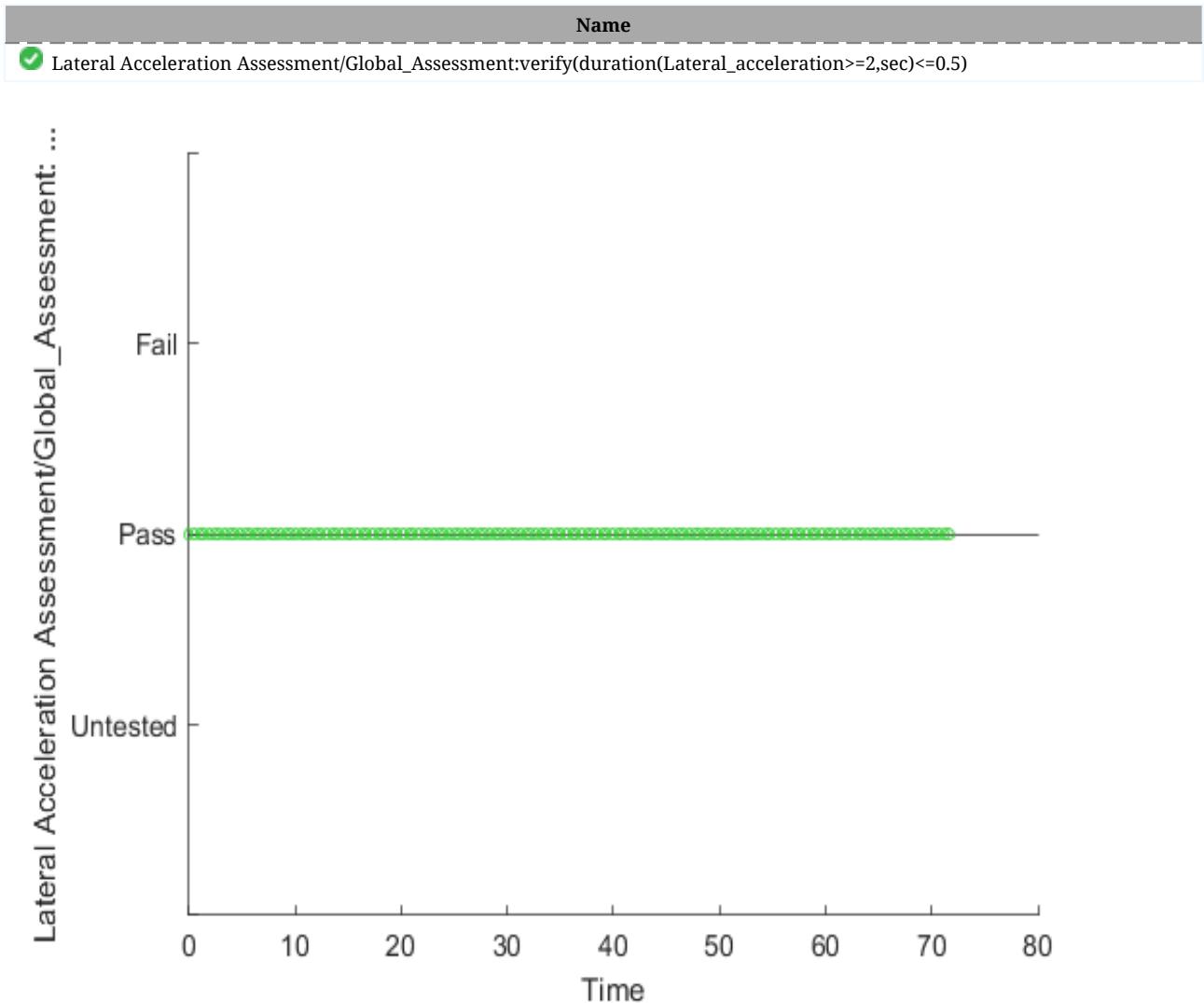
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

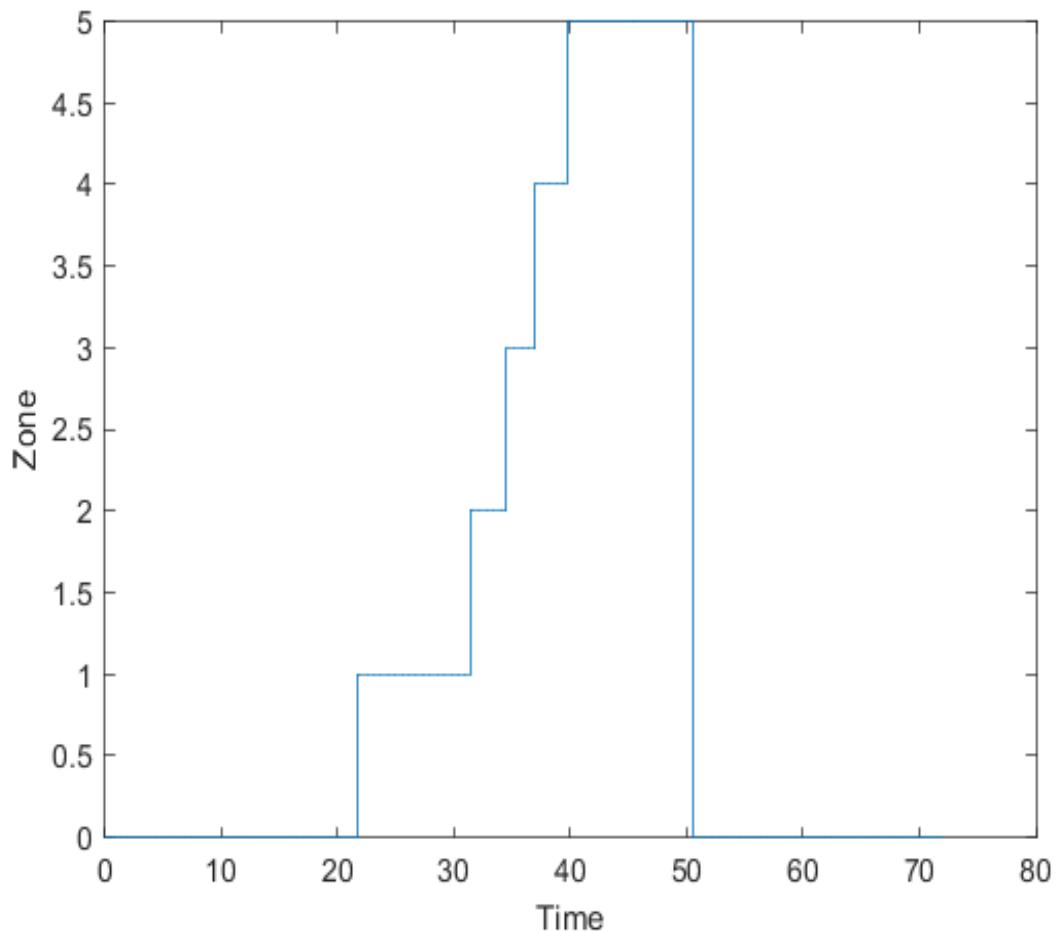
Start Time: 0  
Stop Time: 72  
Checksum: 1502734452 2262212197 3166314975 3808746684

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

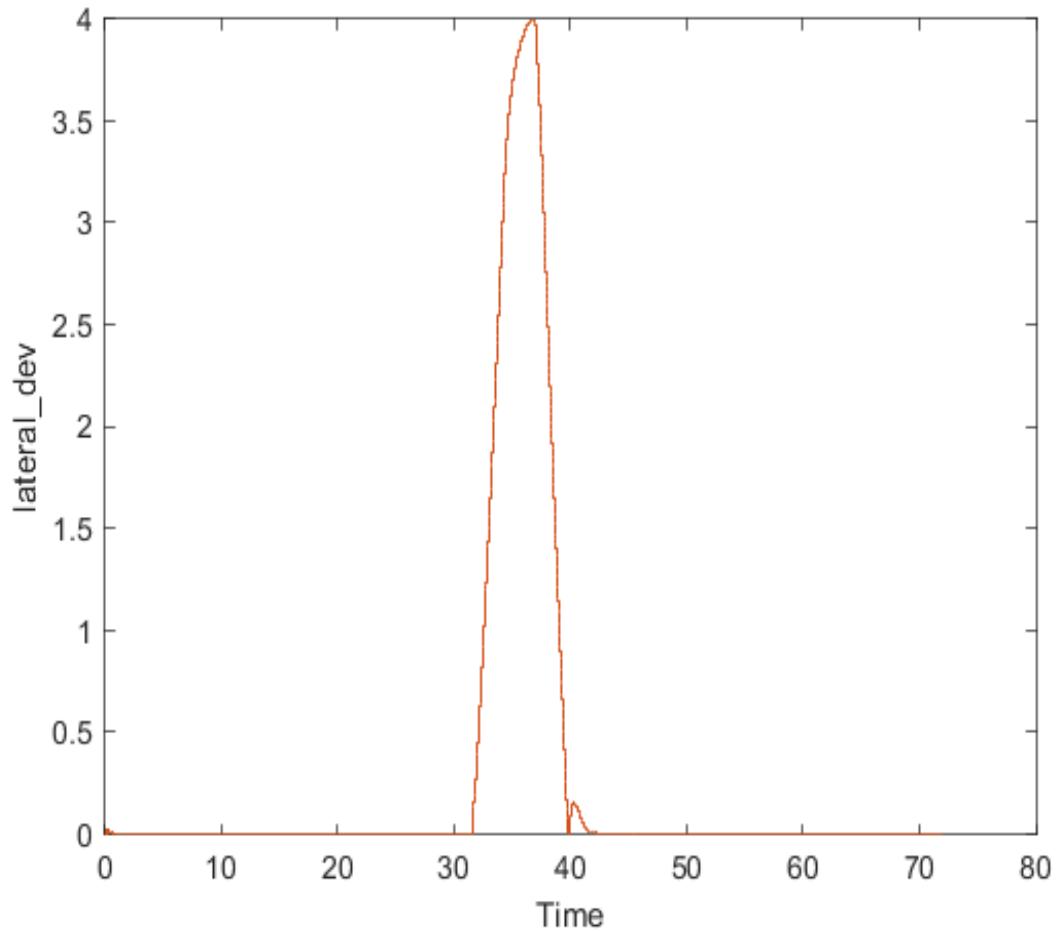
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -20° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:55:56  
End Time: 19-May-2021 17:56:12  
Outcome: Passed

## Test Case Information

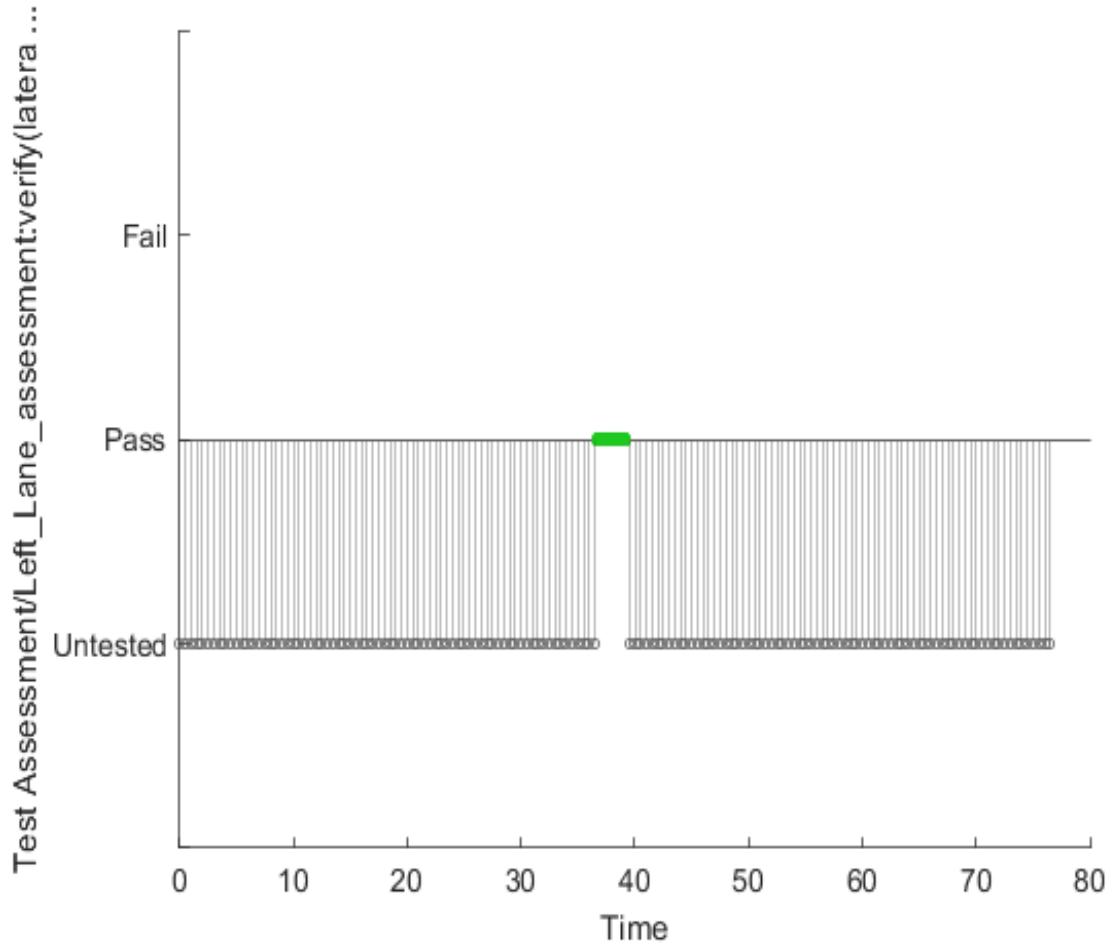
Name: -20° 50km/h  
Type: Simulation Test

## Verify Result

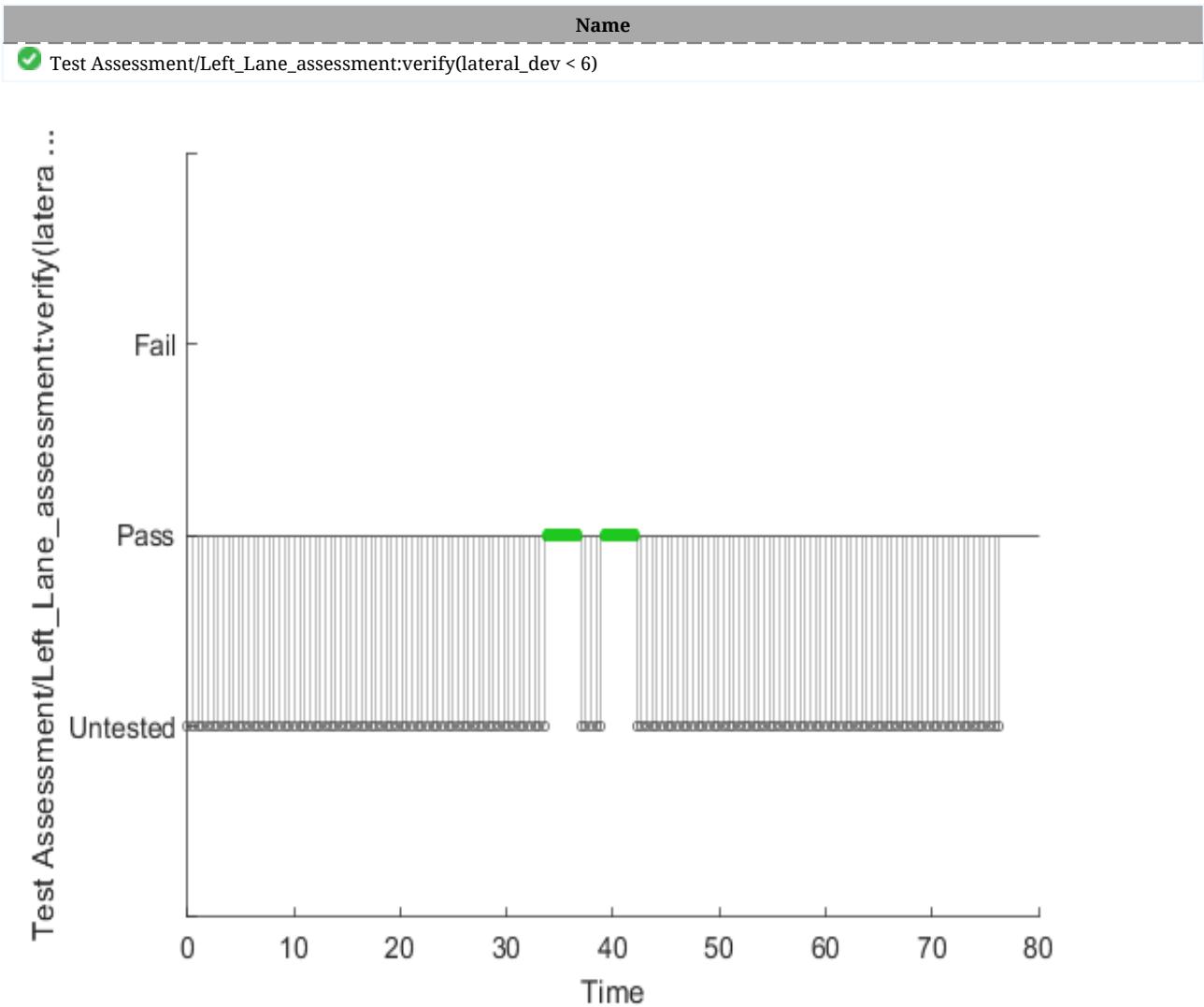
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



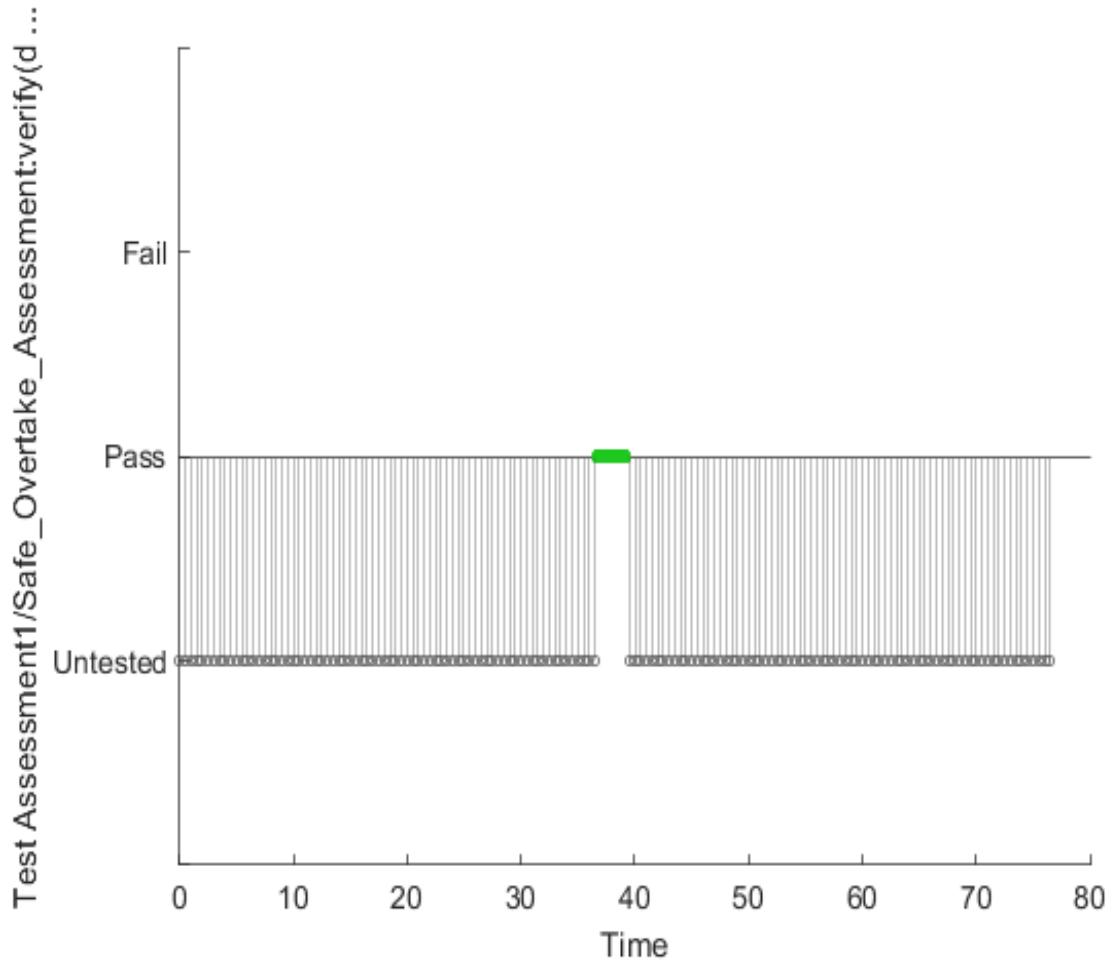
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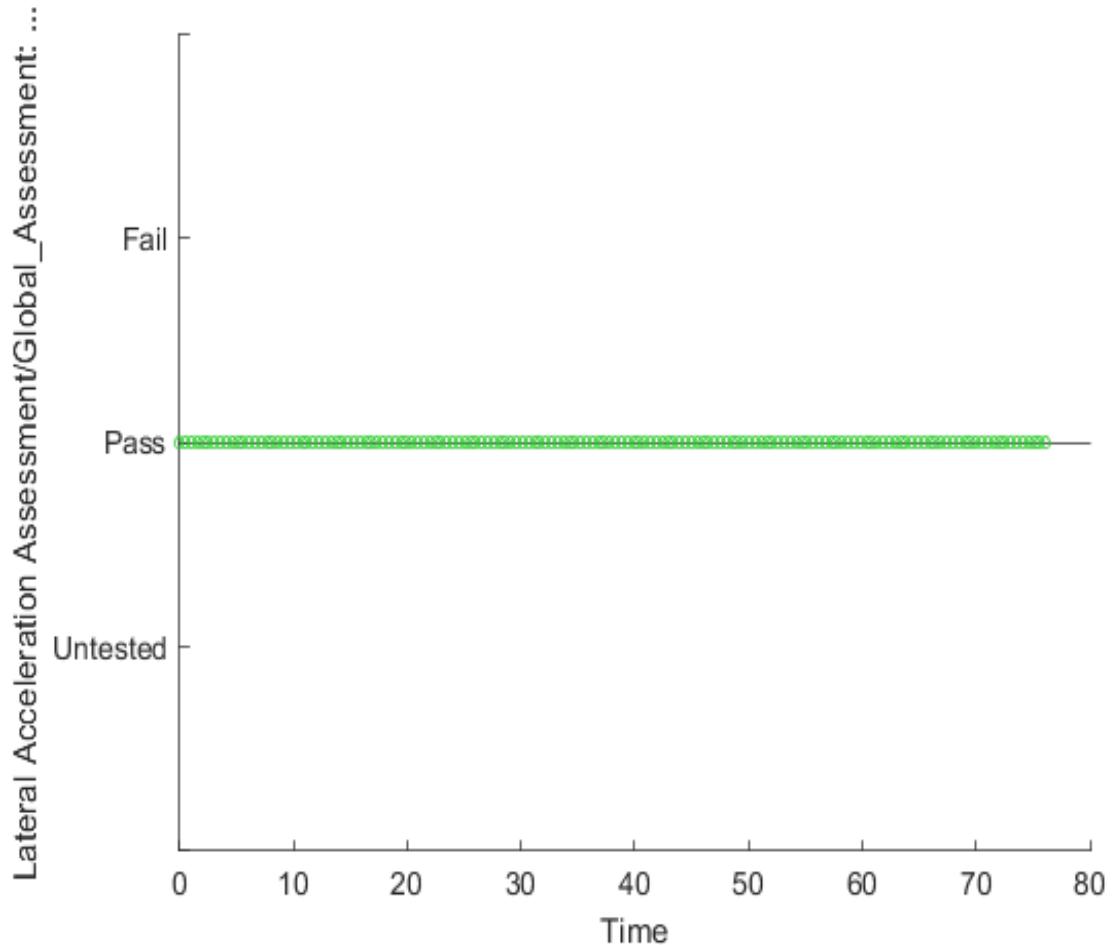
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

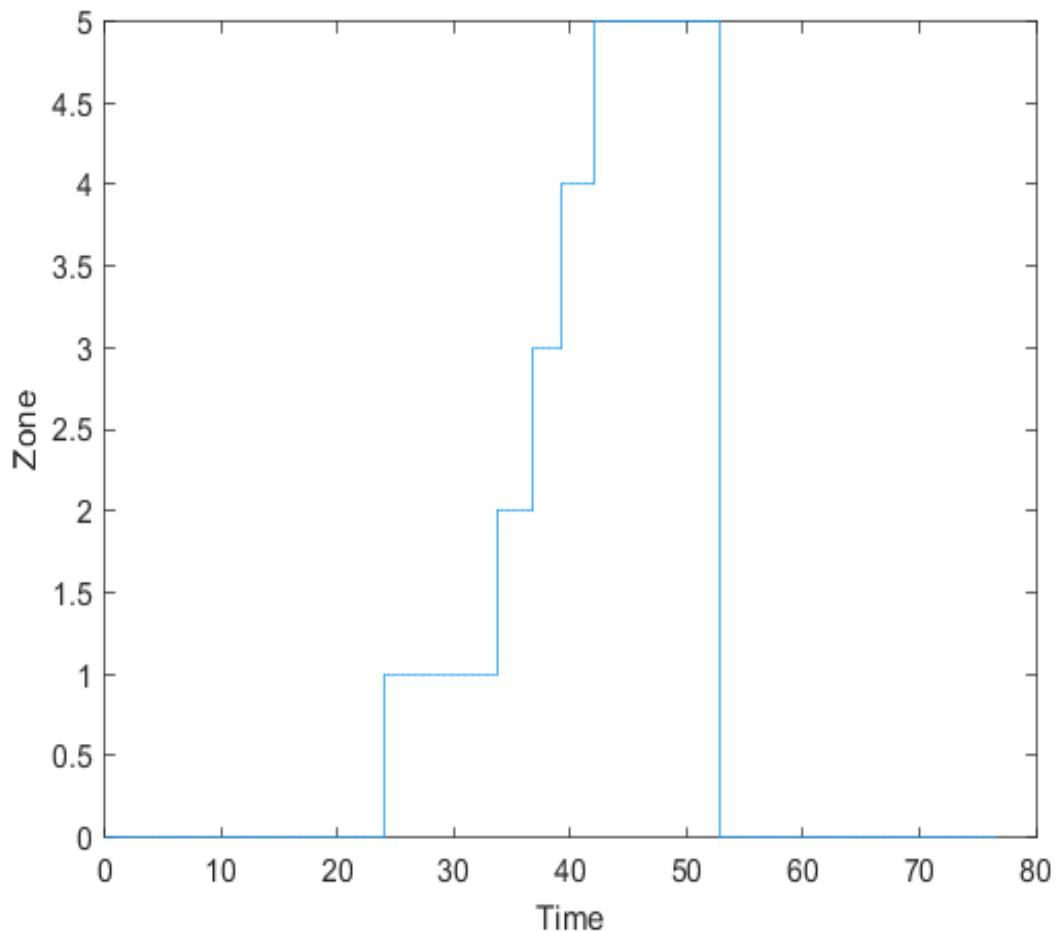
Start Time: 0  
Stop Time: 76.621532639330582  
Checksum: 3821062831 3255092513 2916787452 2306155687

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

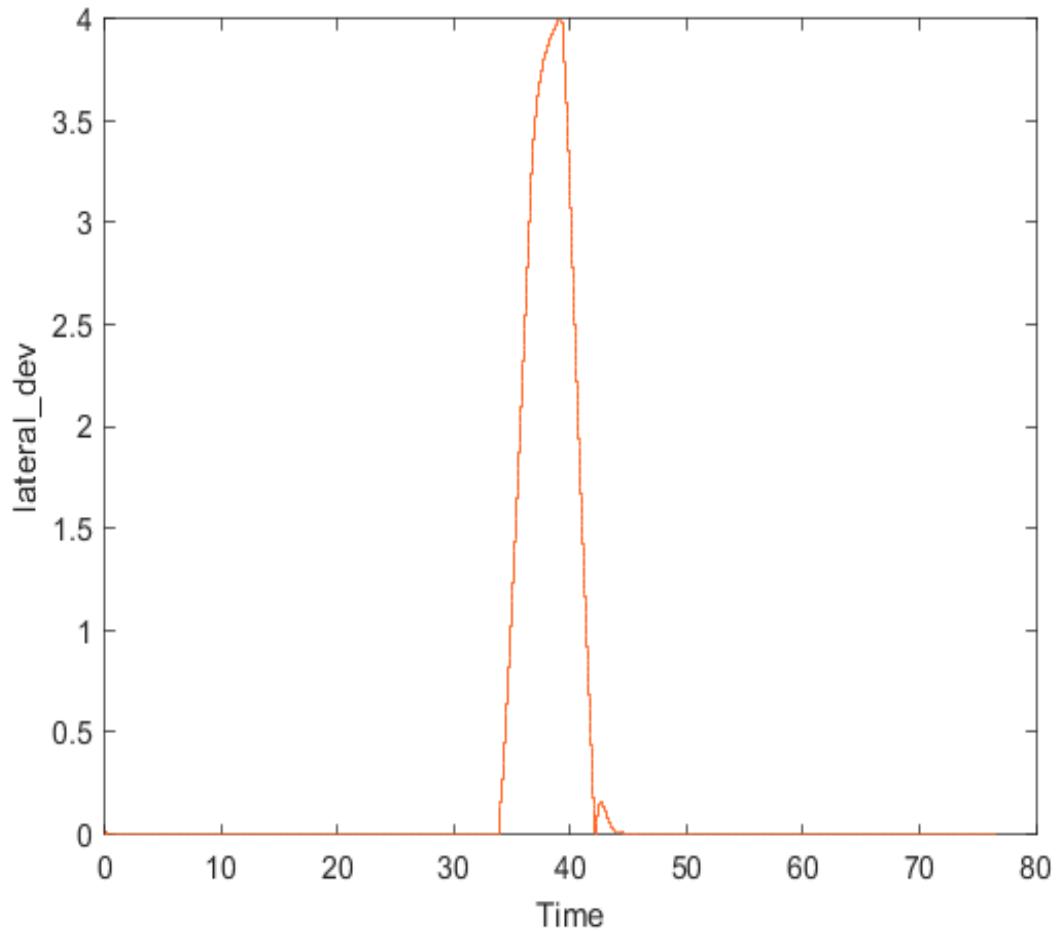
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -45° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:56:12  
End Time: 19-May-2021 17:56:33  
Outcome: Passed

## Test Case Information

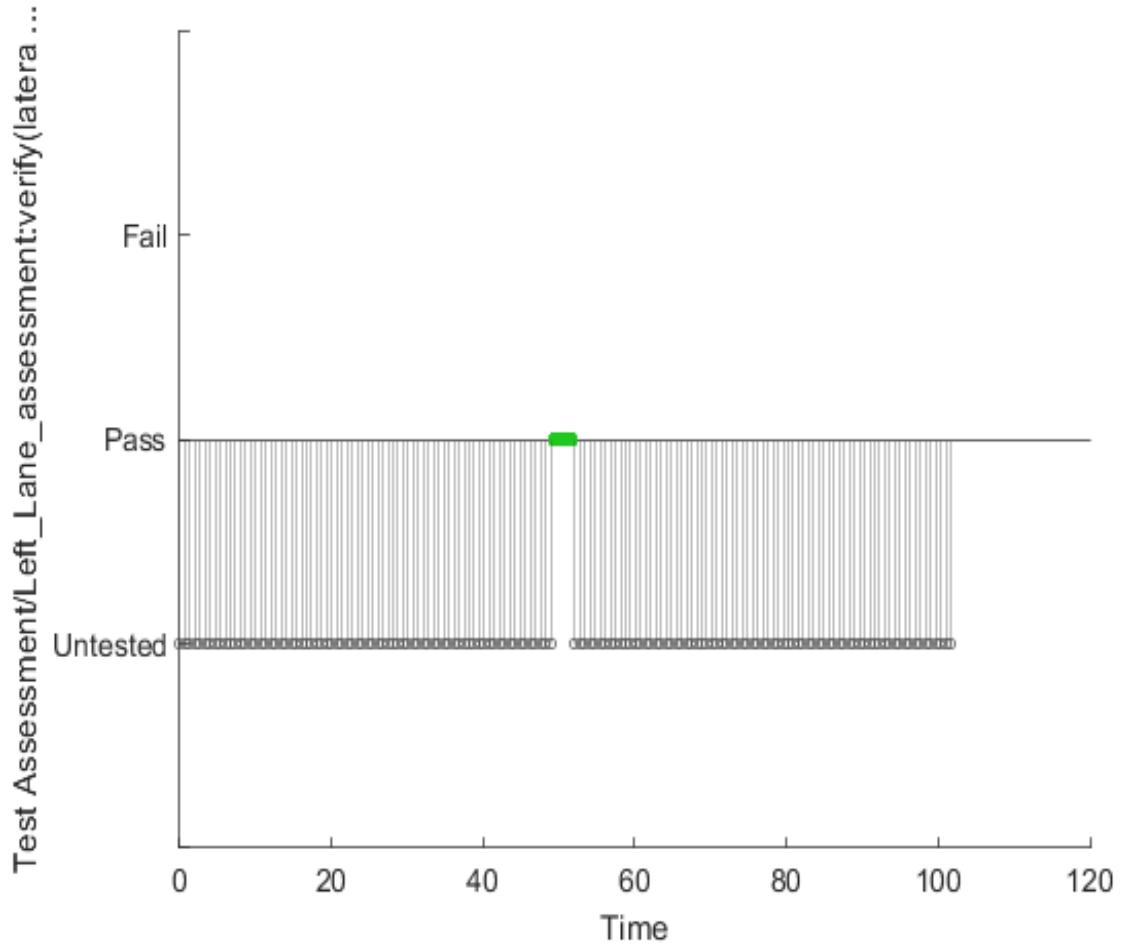
Name: -45° 50km/h  
Type: Simulation Test

## Verify Result

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

### Name

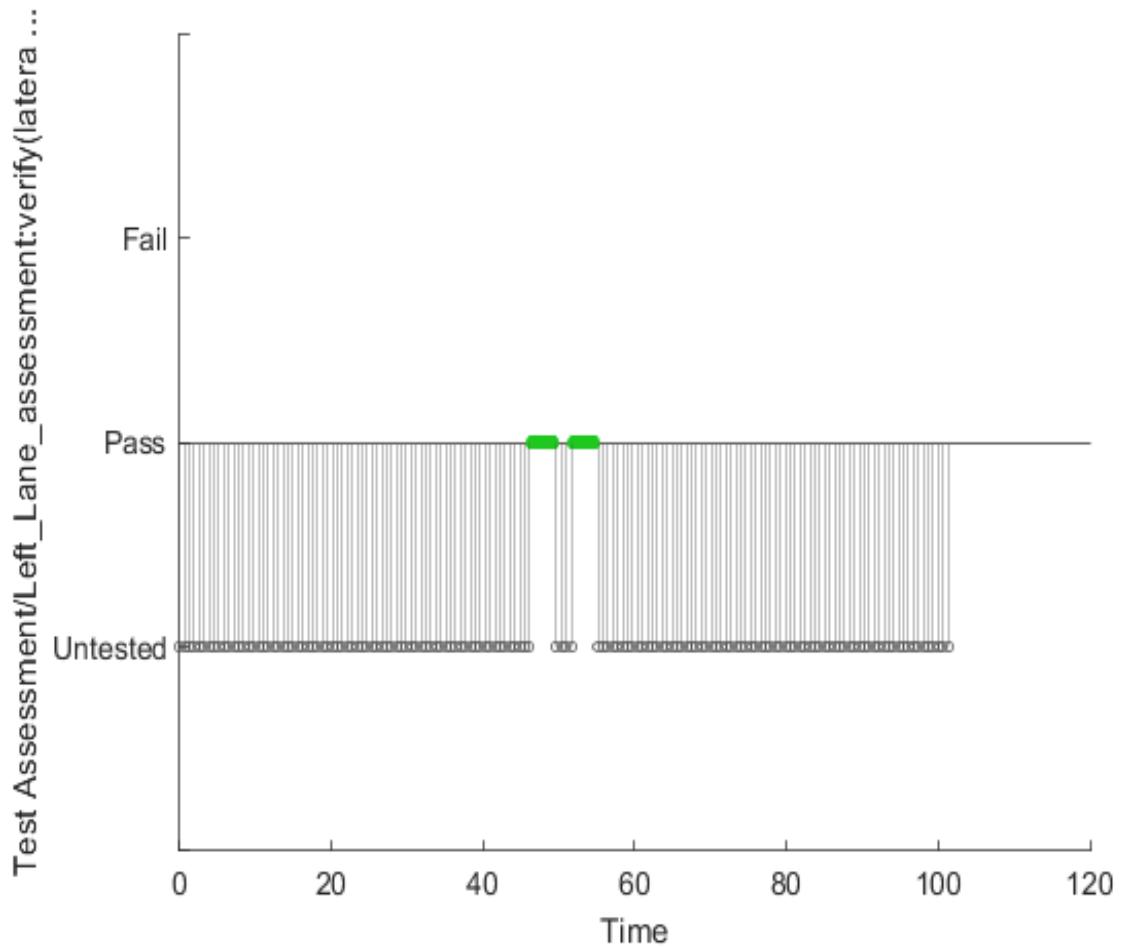
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

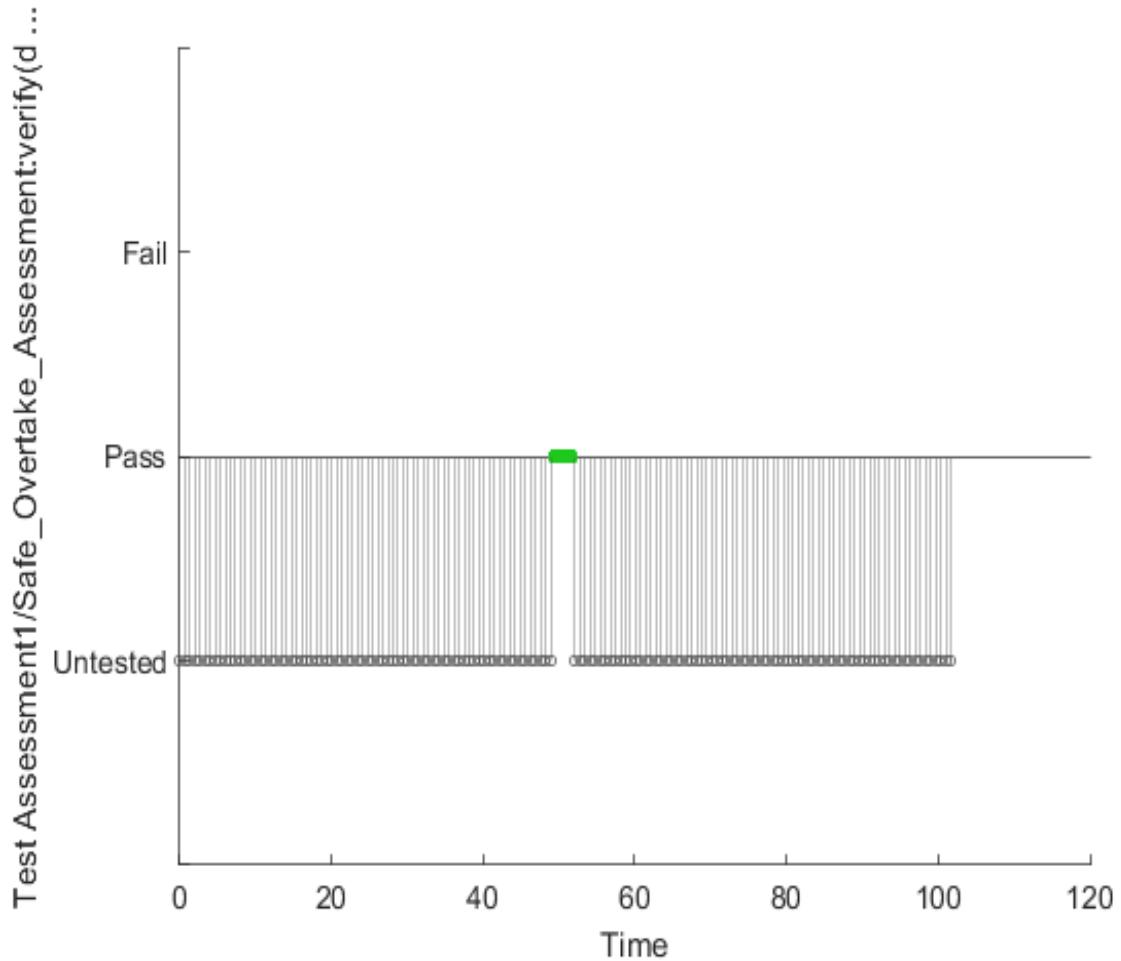
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



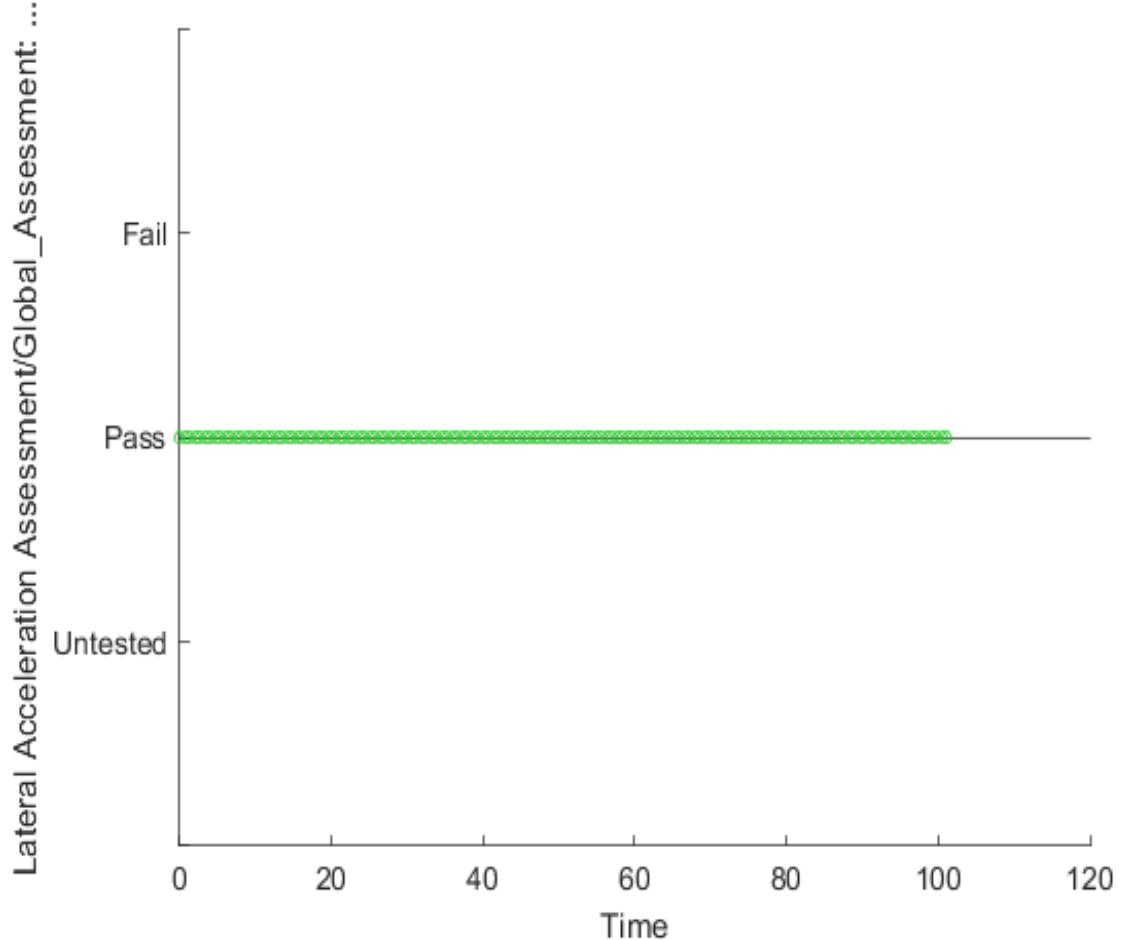
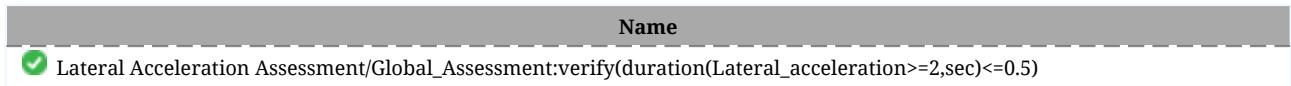
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

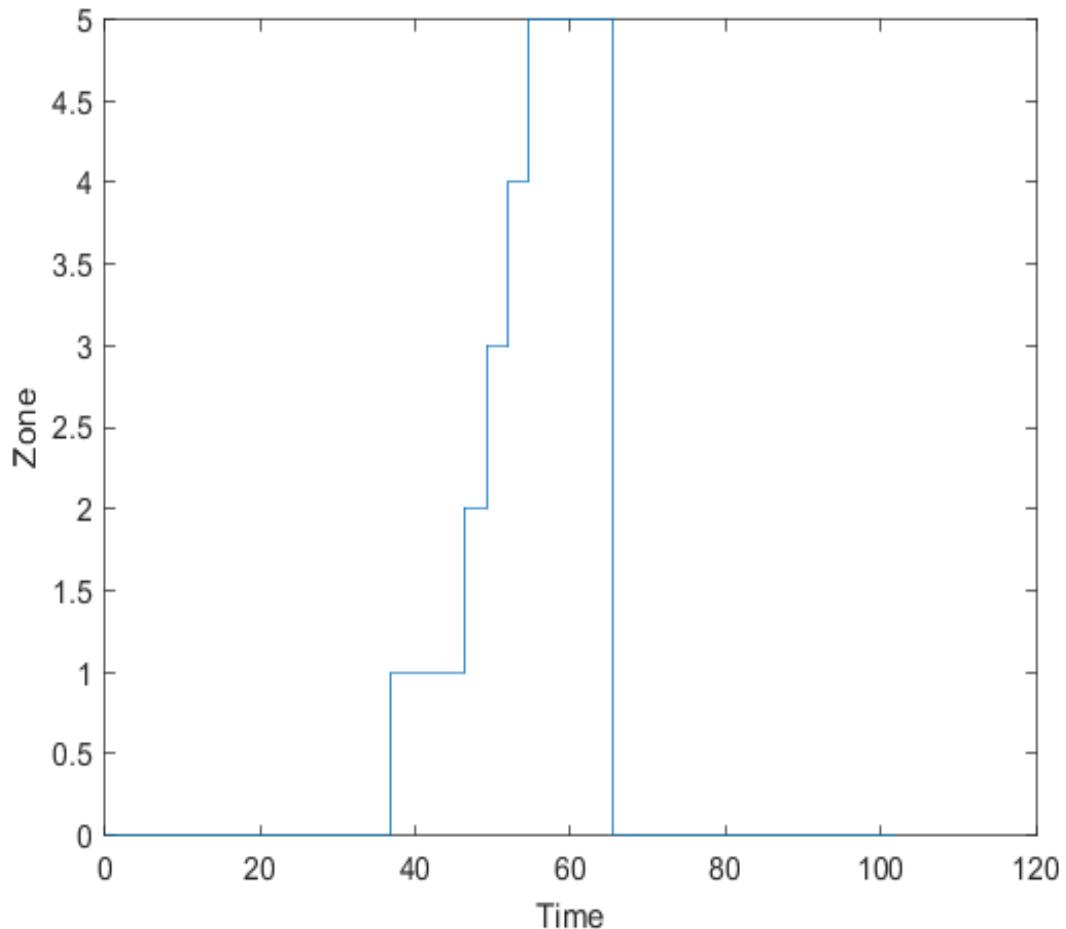
Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 101.82337649086284  
Checksum: 3897230891 2554983064 1445871265 2888259817

## Simulation Output

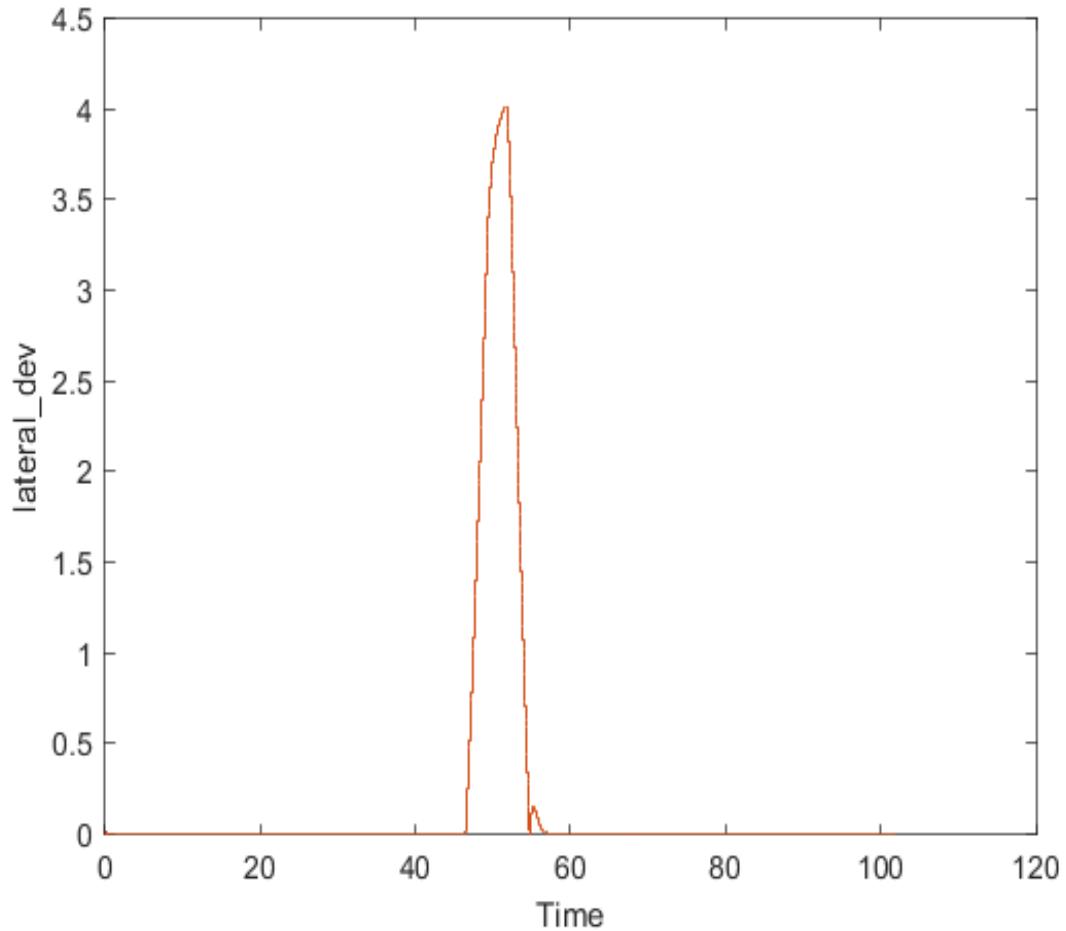
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

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



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



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## -70° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:56:33  
End Time: 19-May-2021 17:57:24  
Outcome: Passed

## Test Case Information

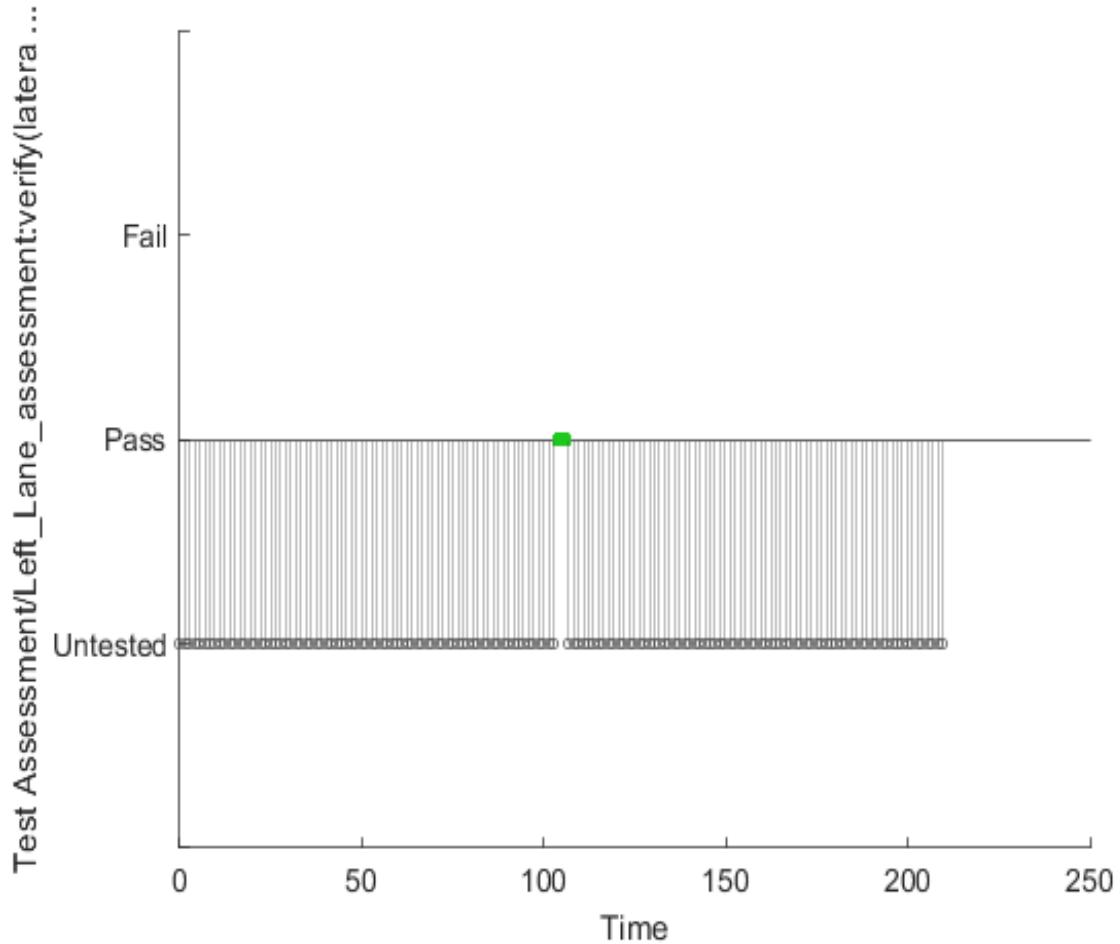
Name: -70° 50km/h  
Type: Simulation Test

## Verify Result

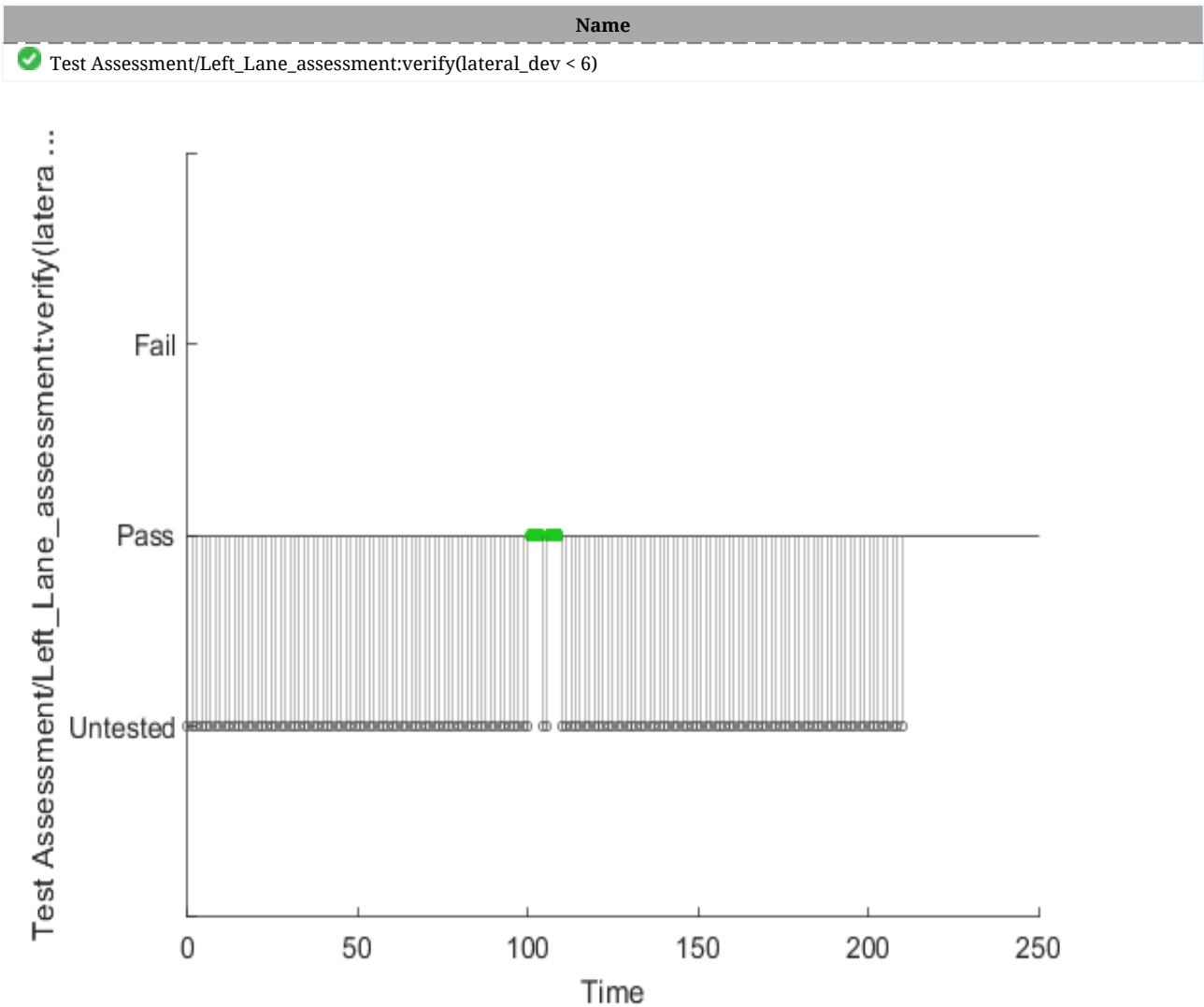
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



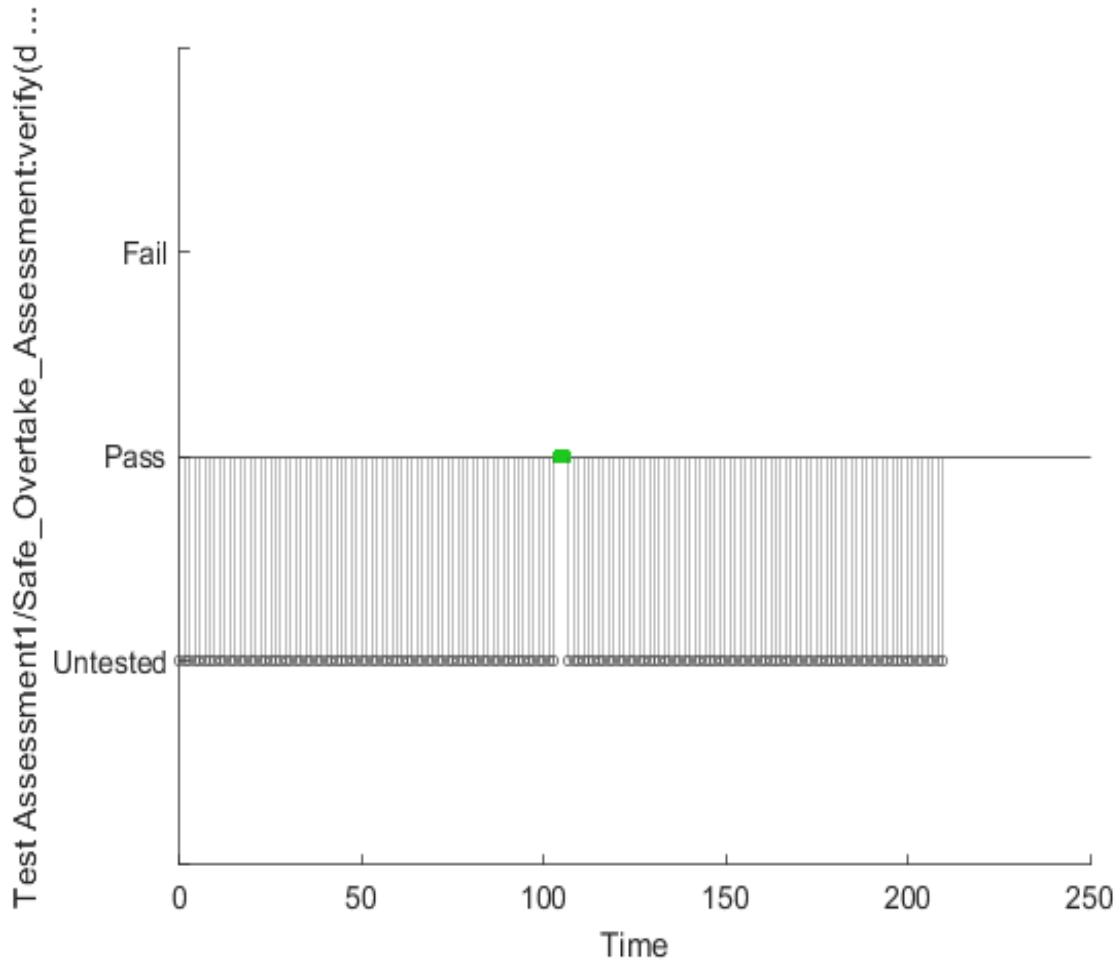
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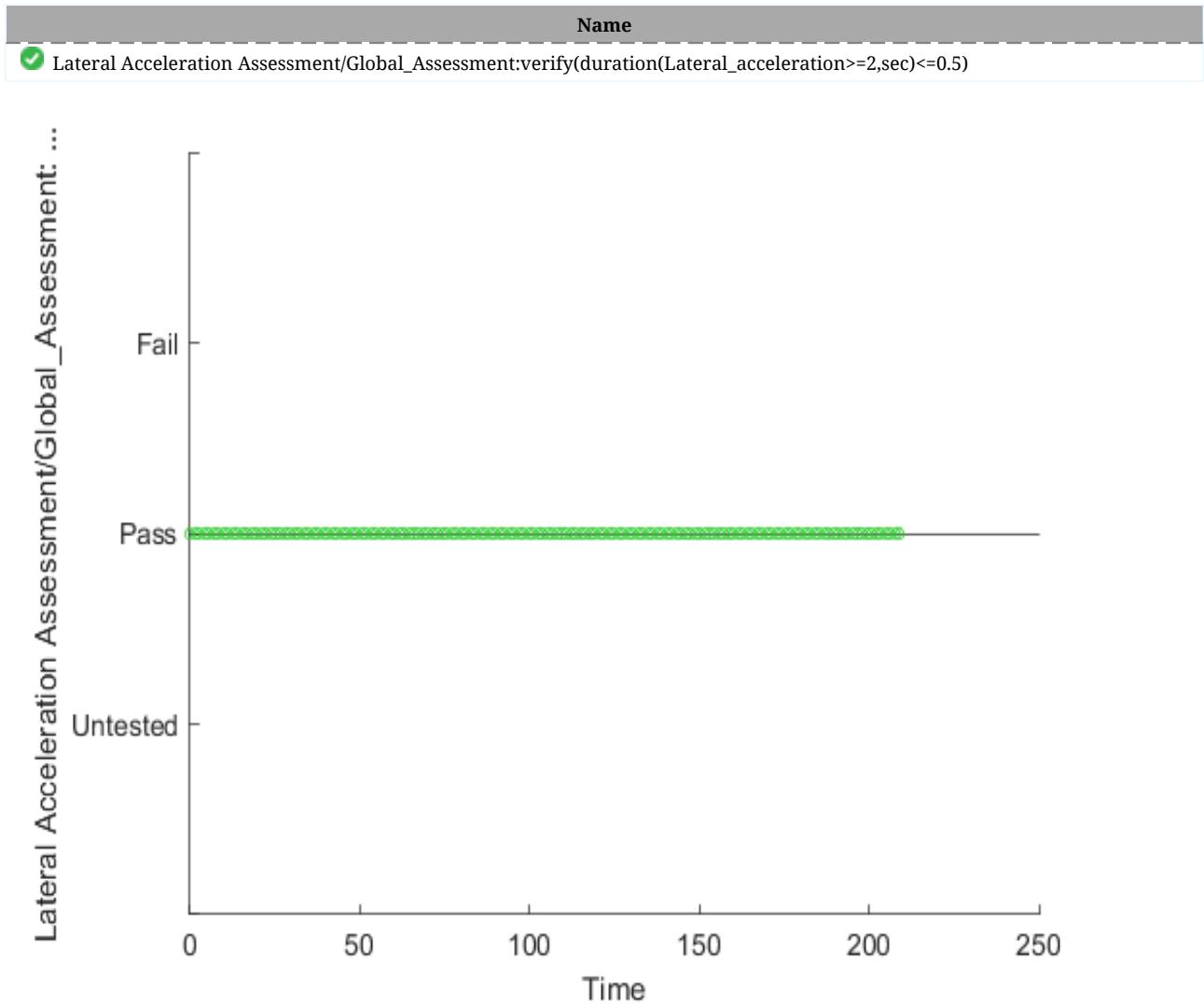
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

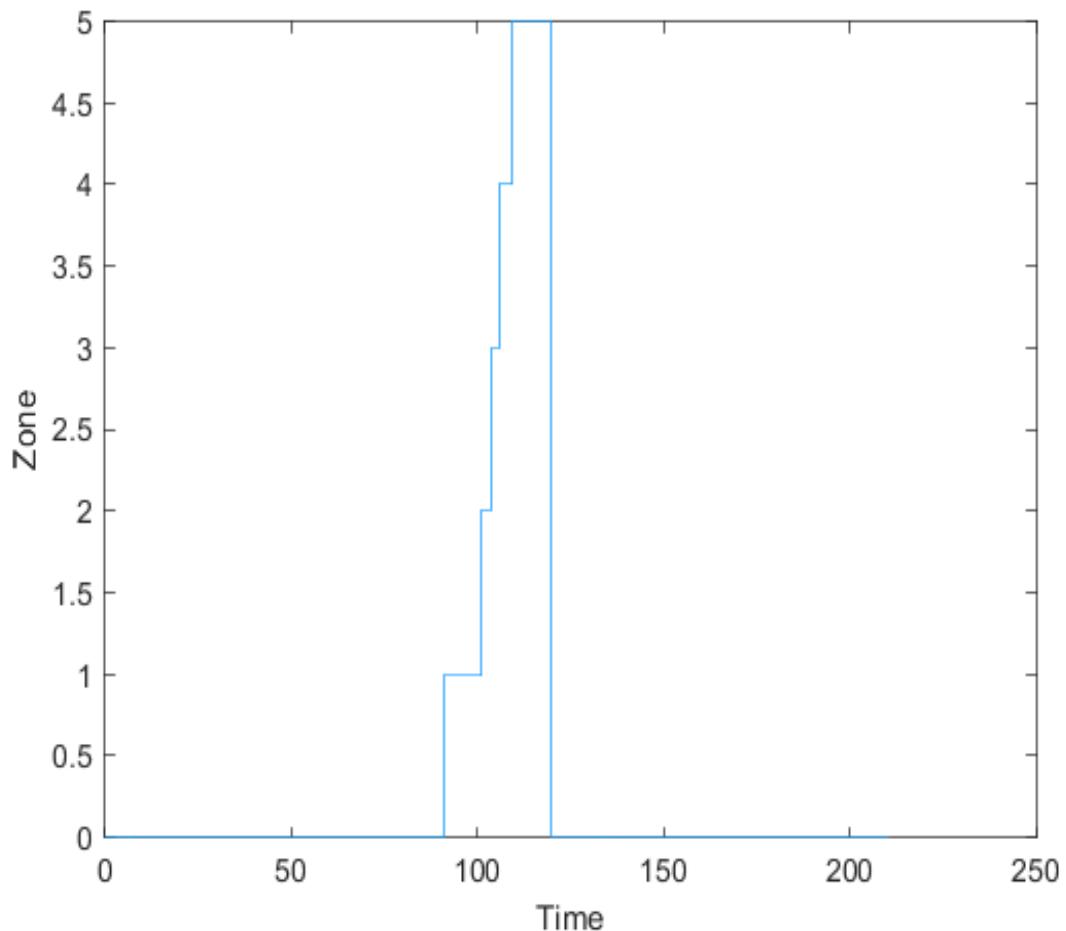
Start Time: 0  
Stop Time: 210.48161595730875  
Checksum: 1950608752 3325363458 1497884829 1748770208

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

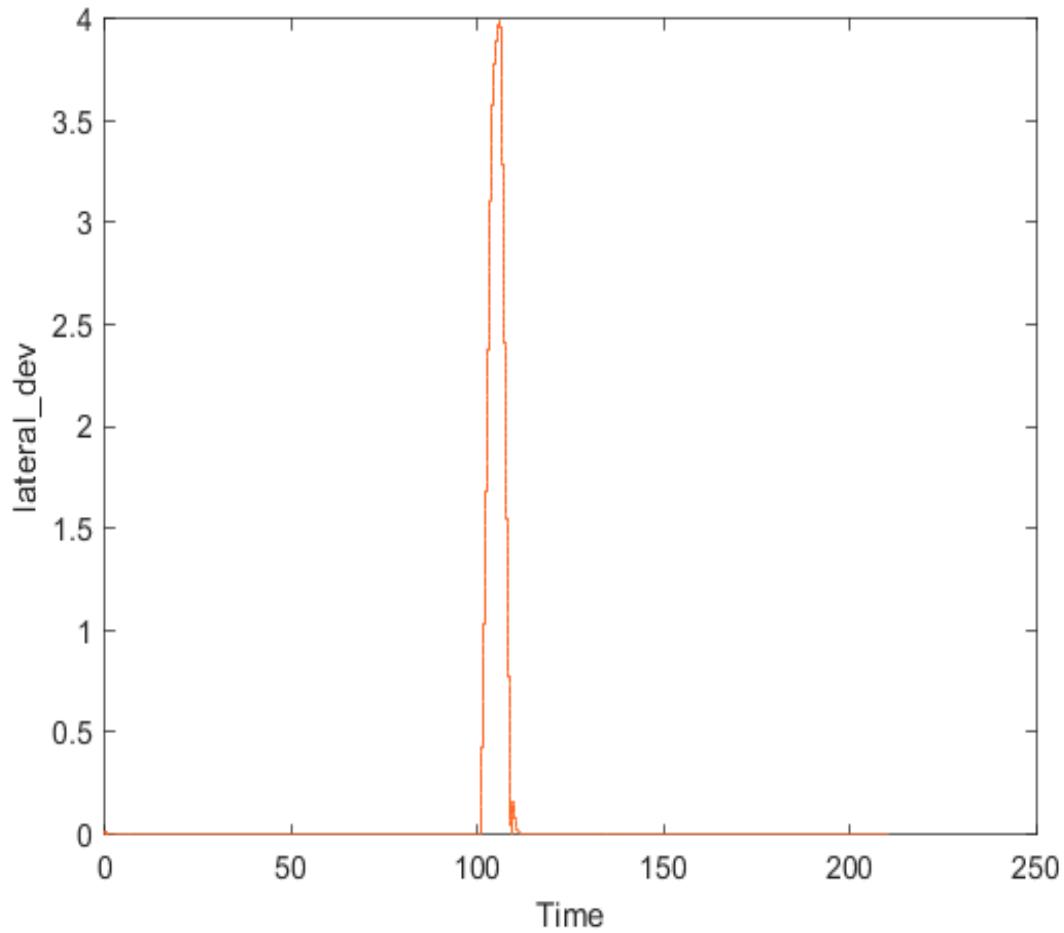
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -90° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:57:24  
End Time: 19-May-2021 17:57:38  
Outcome: Passed

## Test Case Information

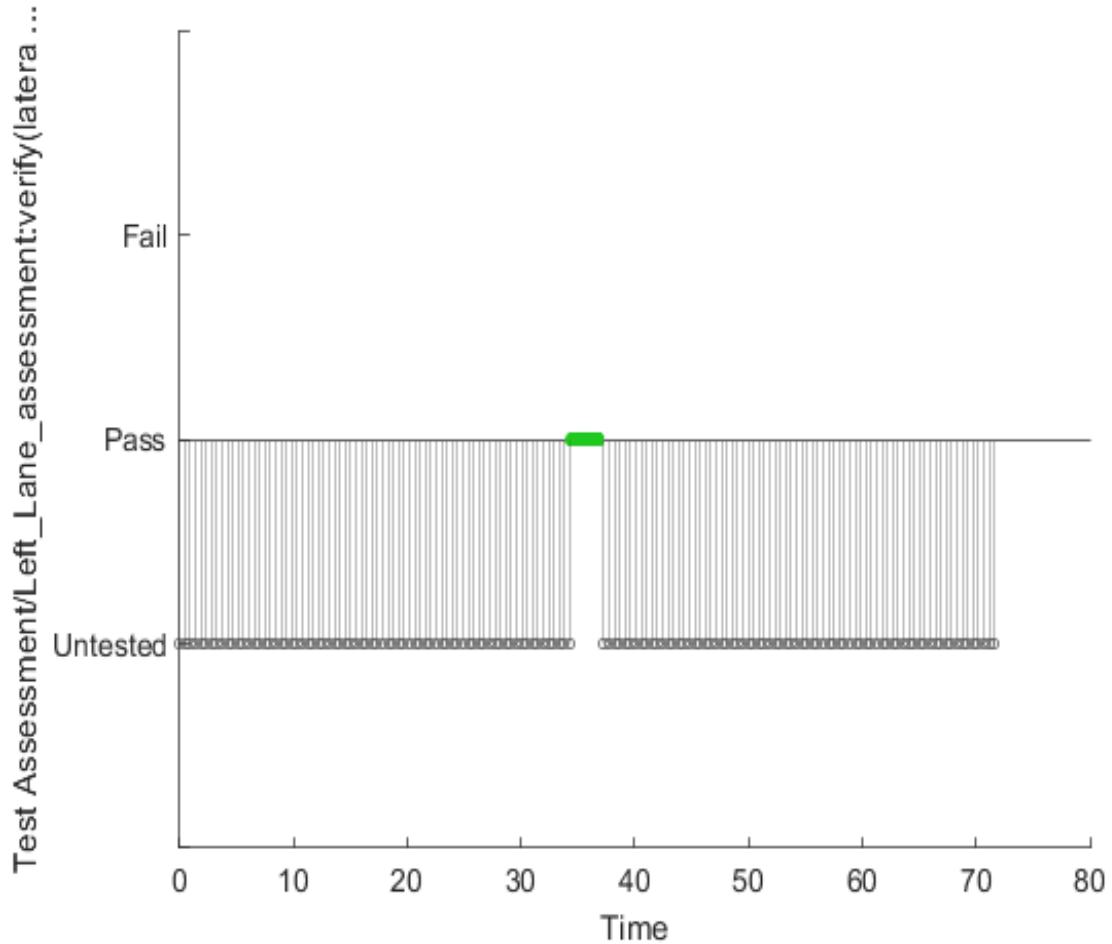
Name: -90° 50km/h  
Type: Simulation Test

## Verify Result

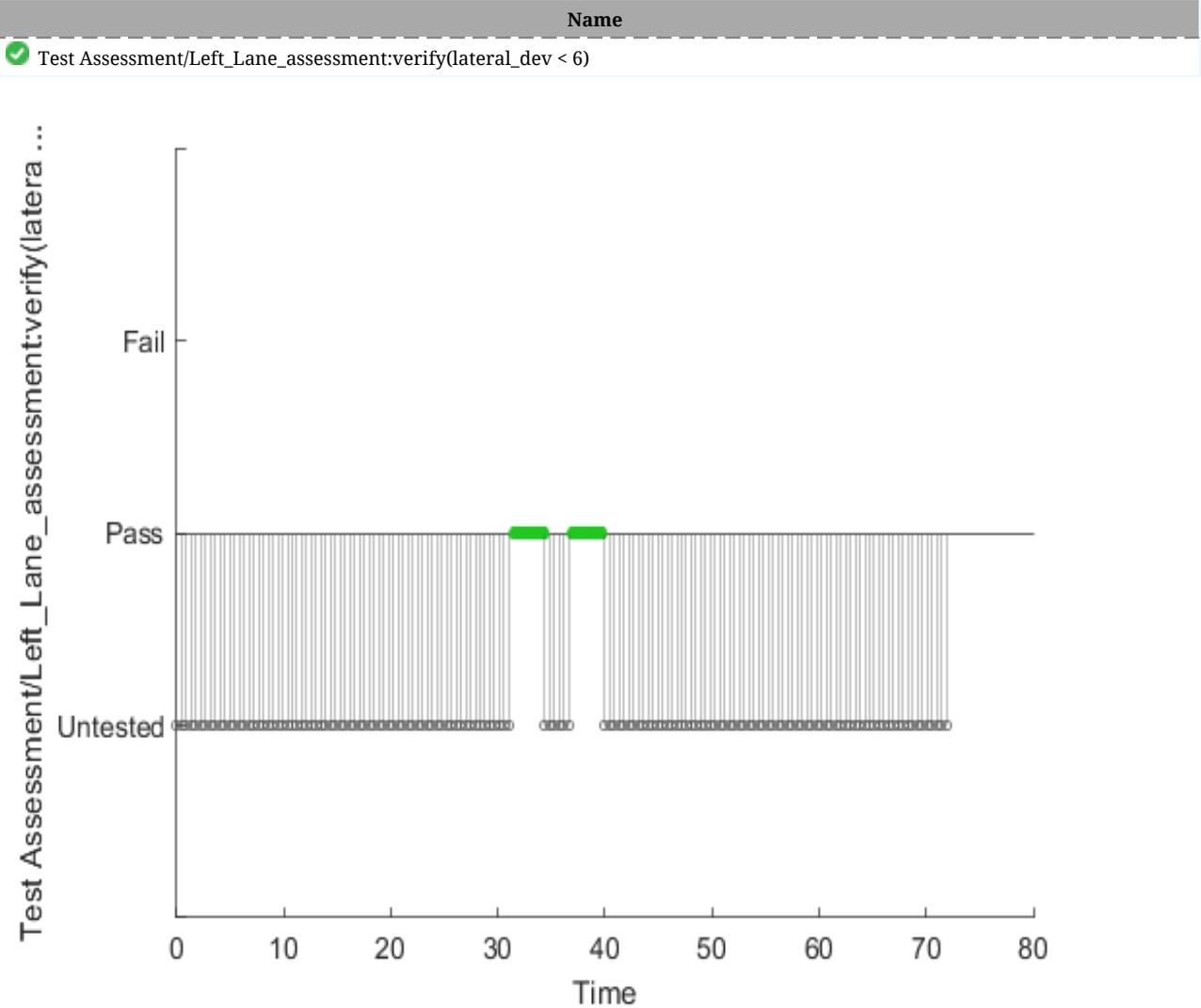
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



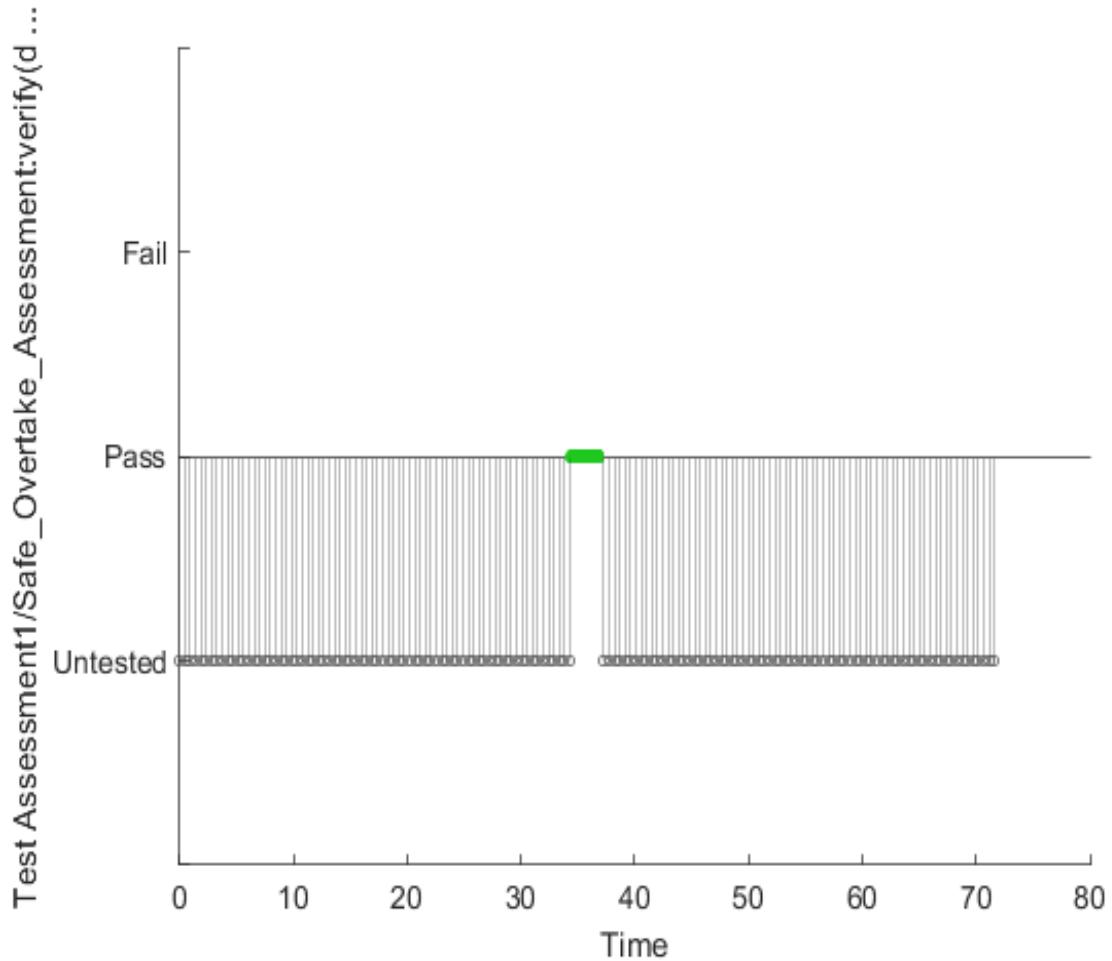
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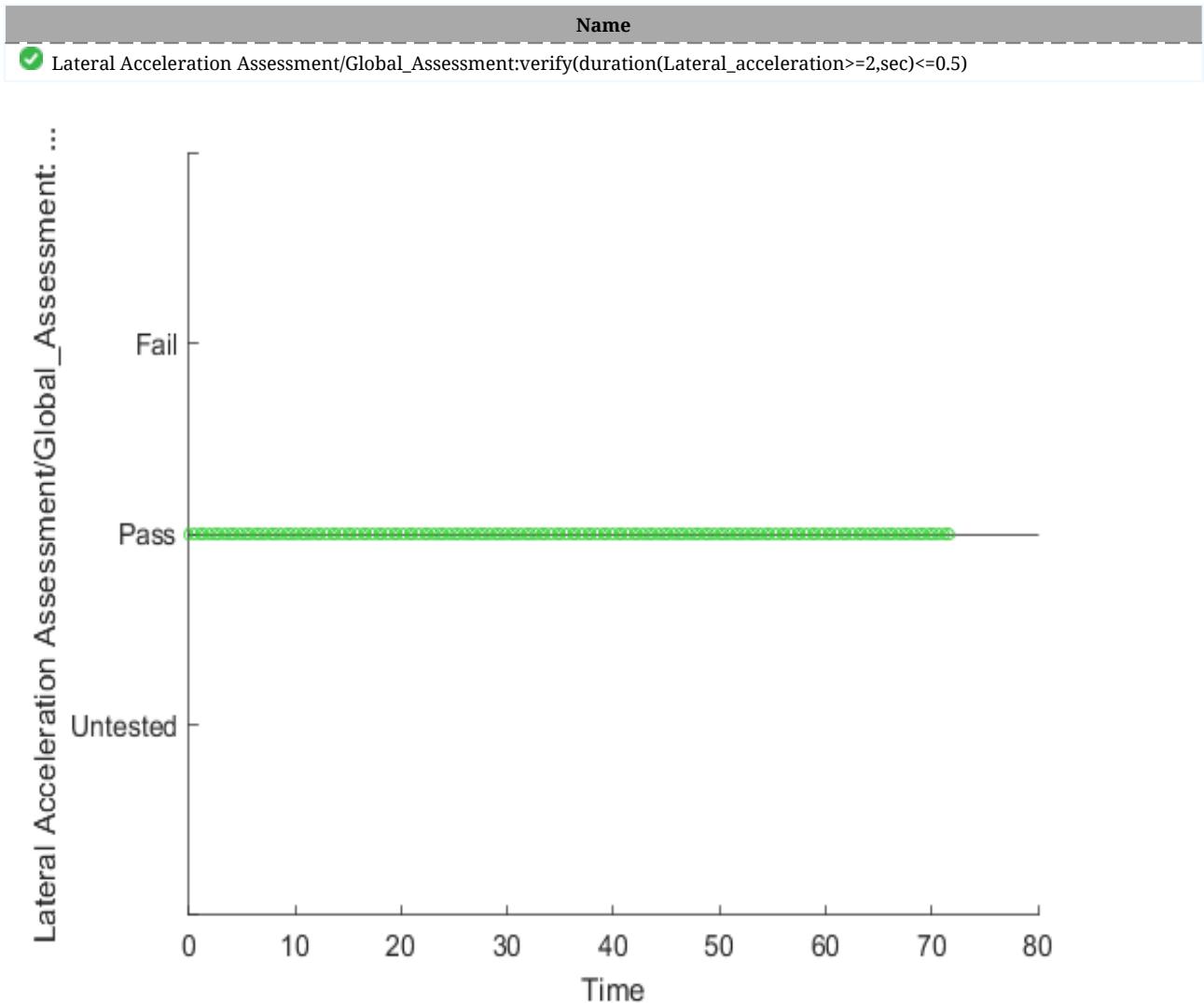
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

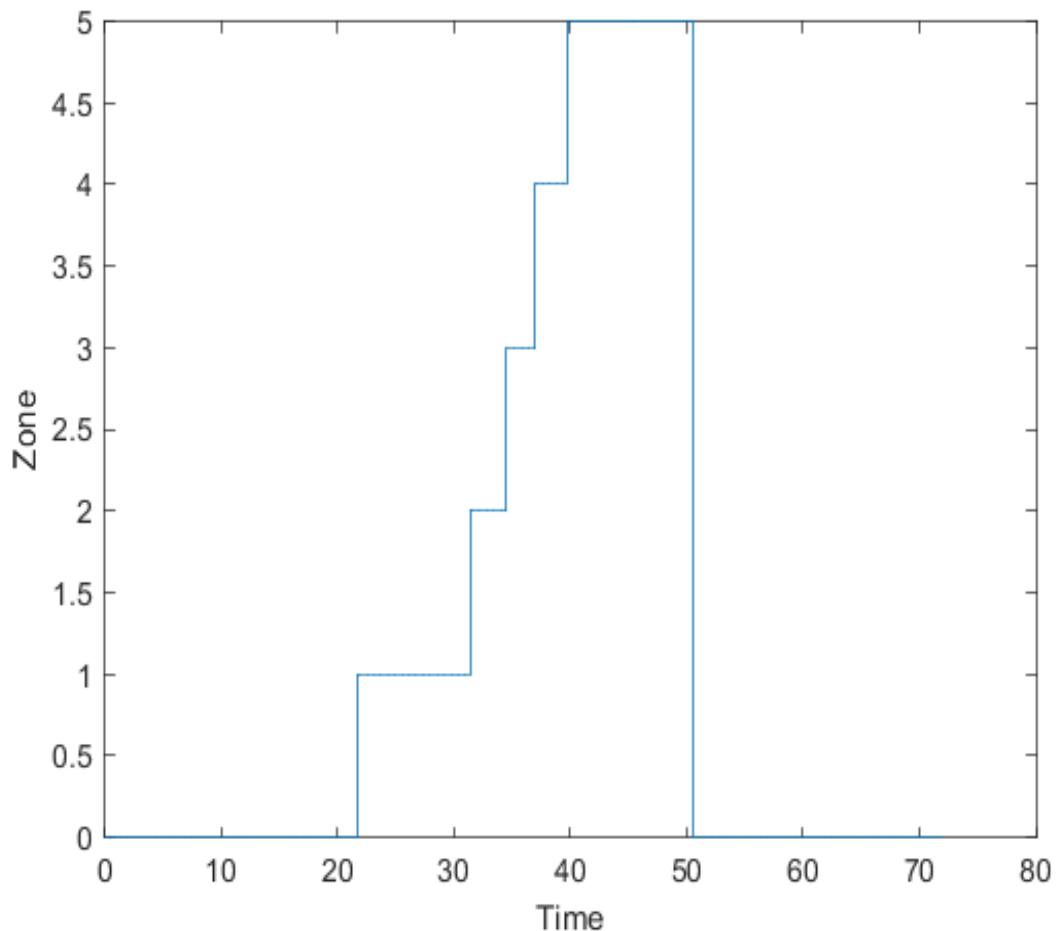
Start Time: 0  
Stop Time: 72  
Checksum: 1502734452 2262212197 3166314975 3808746684

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

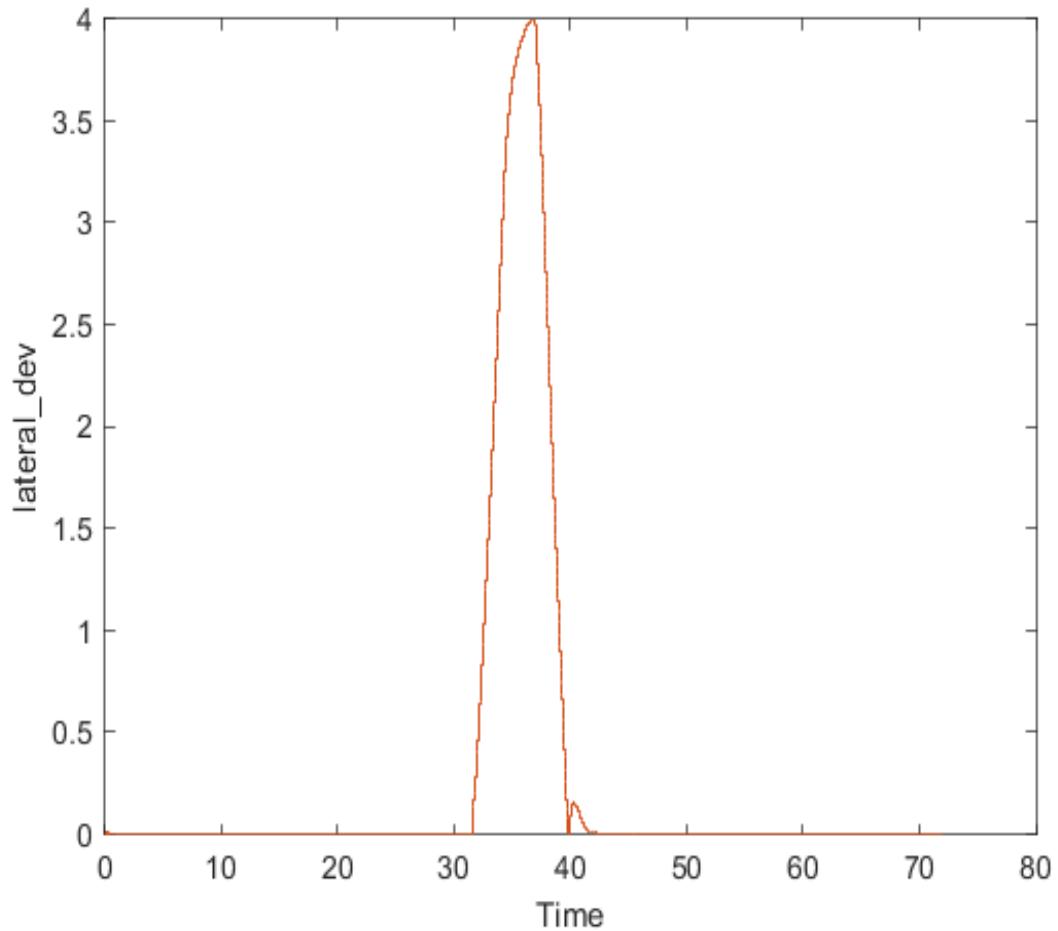
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -110° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:57:38  
End Time: 19-May-2021 17:57:53  
Outcome: Passed

## Test Case Information

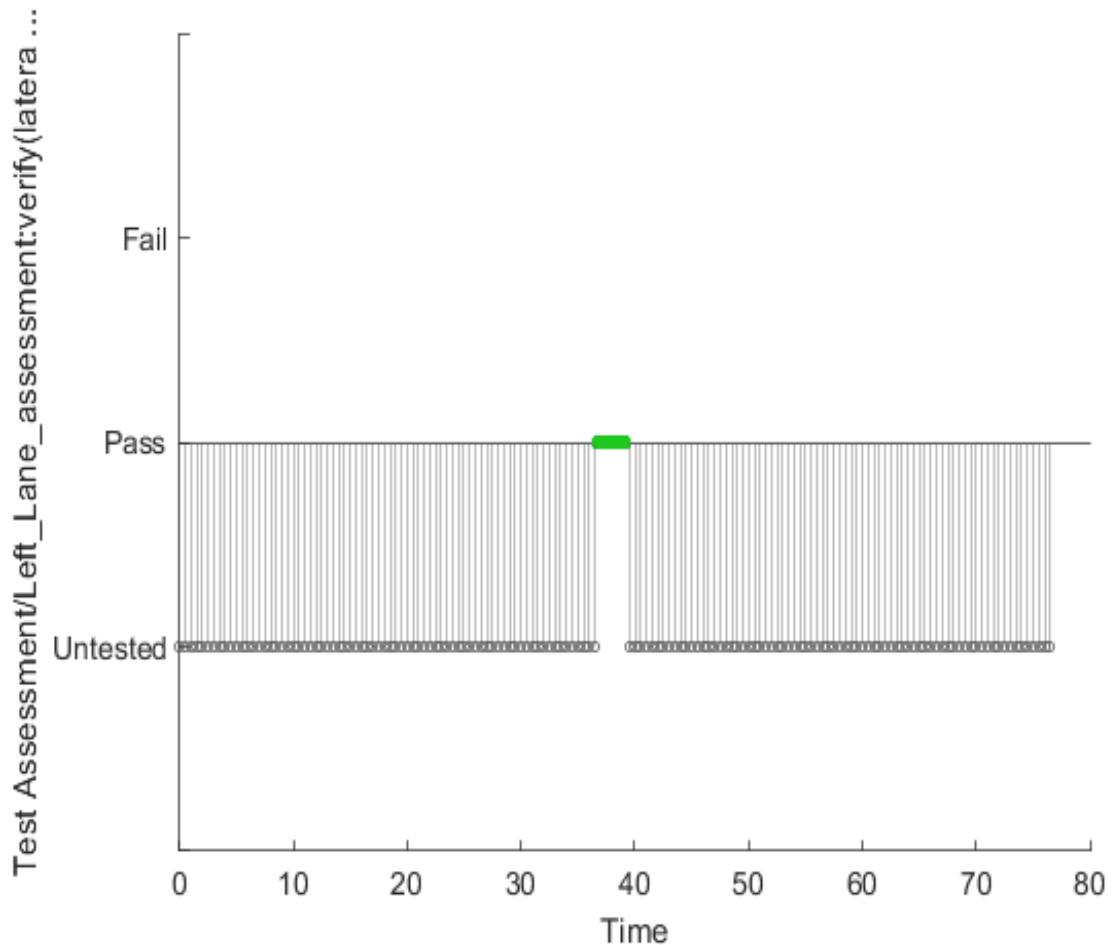
Name: -110° 50km/h  
Type: Simulation Test

## Verify Result

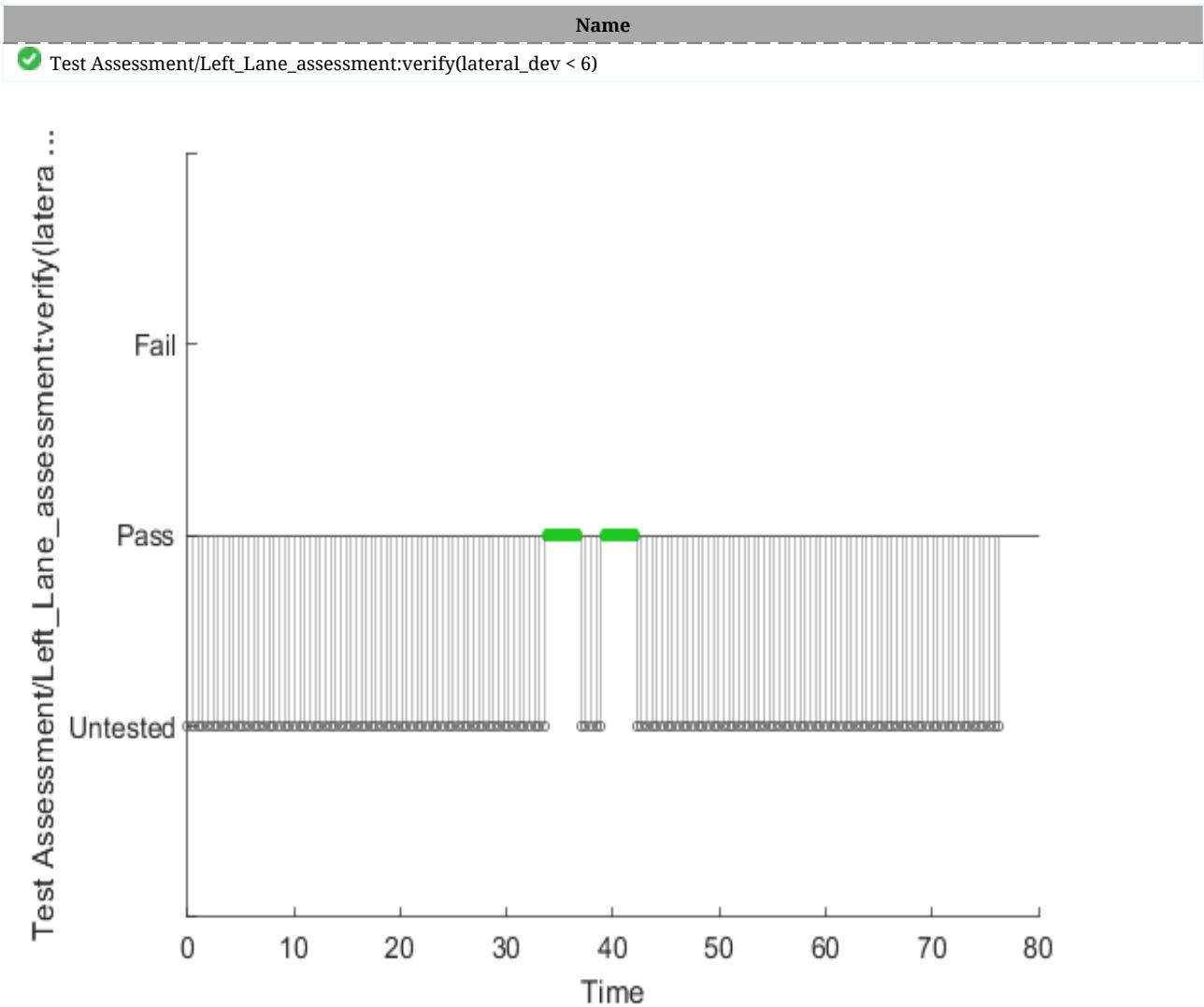
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



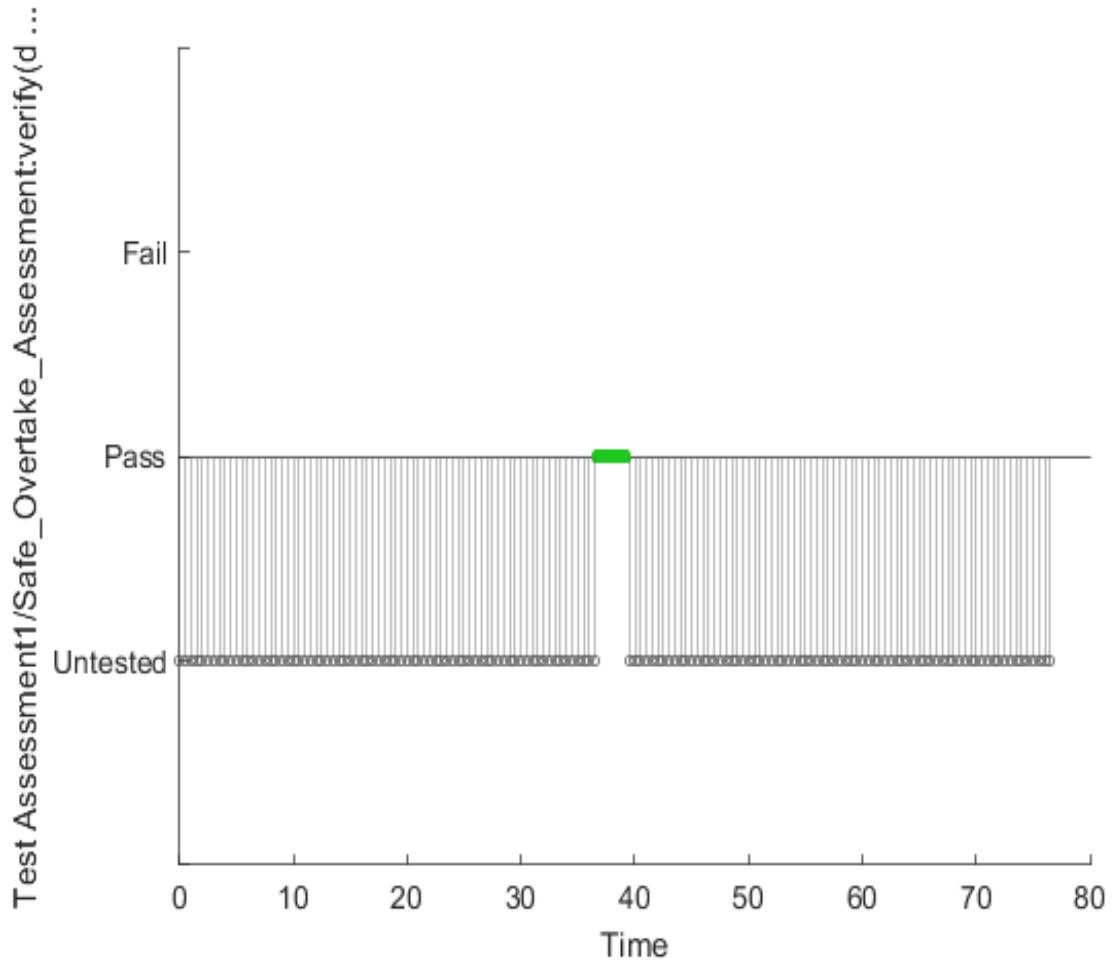
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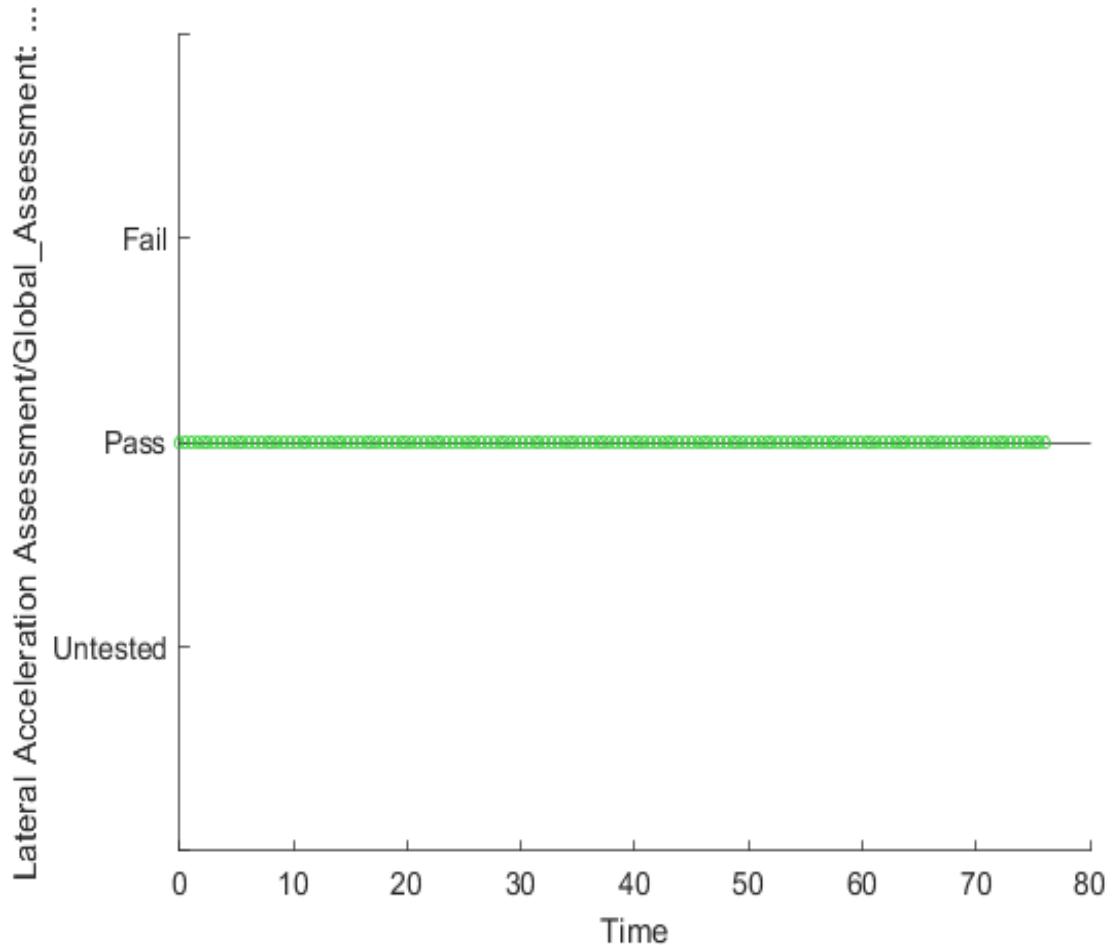
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

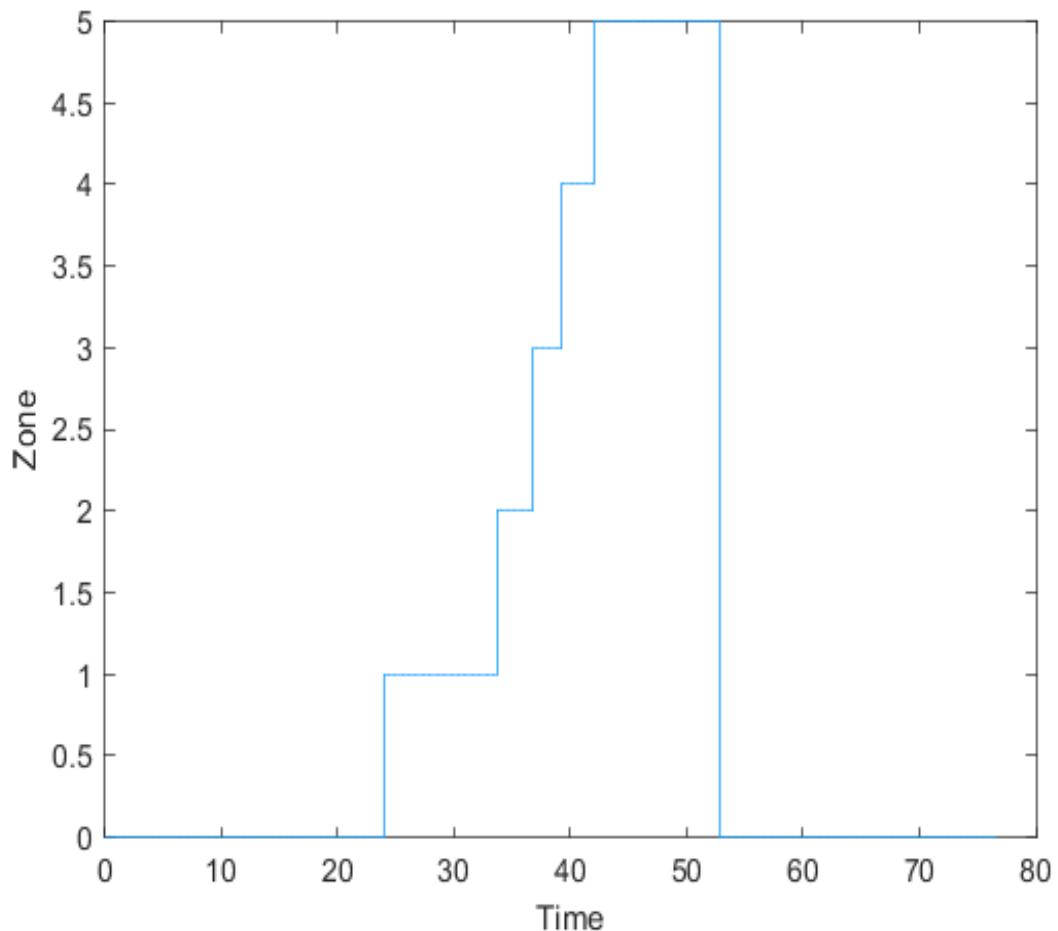
Start Time: 0  
Stop Time: 76.621532639330582  
Checksum: 3821062831 3255092513 2916787452 2306155687

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

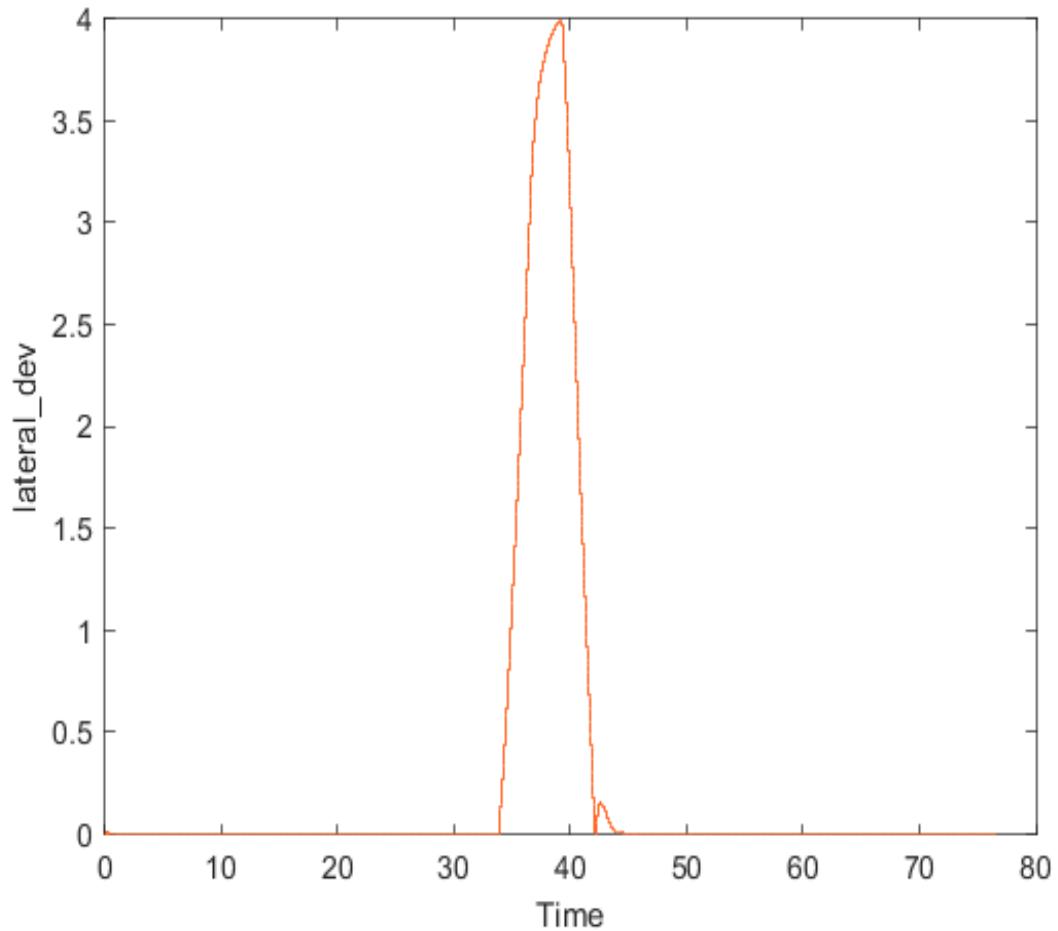
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -135° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:57:53  
End Time: 19-May-2021 17:58:12  
Outcome: Passed

## Test Case Information

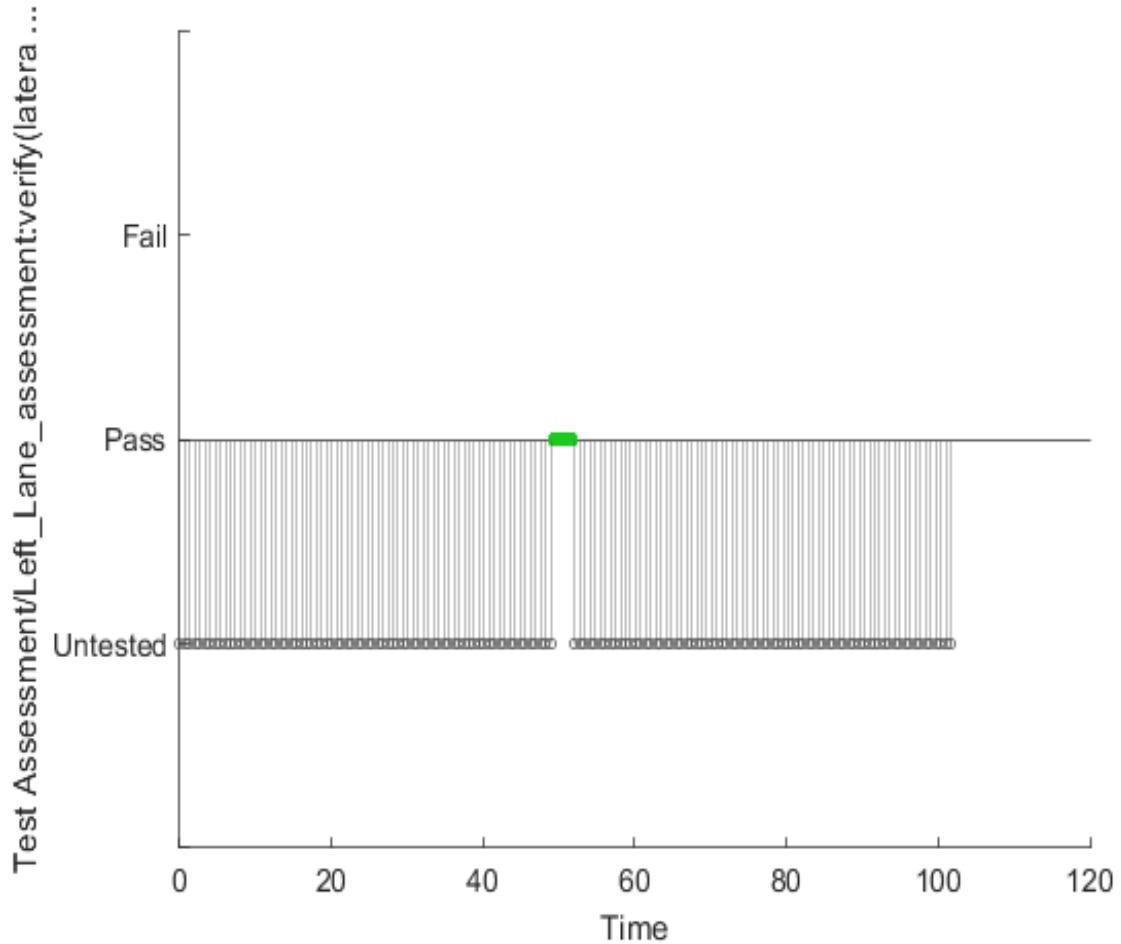
Name: -135° 50km/h  
Type: Simulation Test

## Verify Result

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

### Name

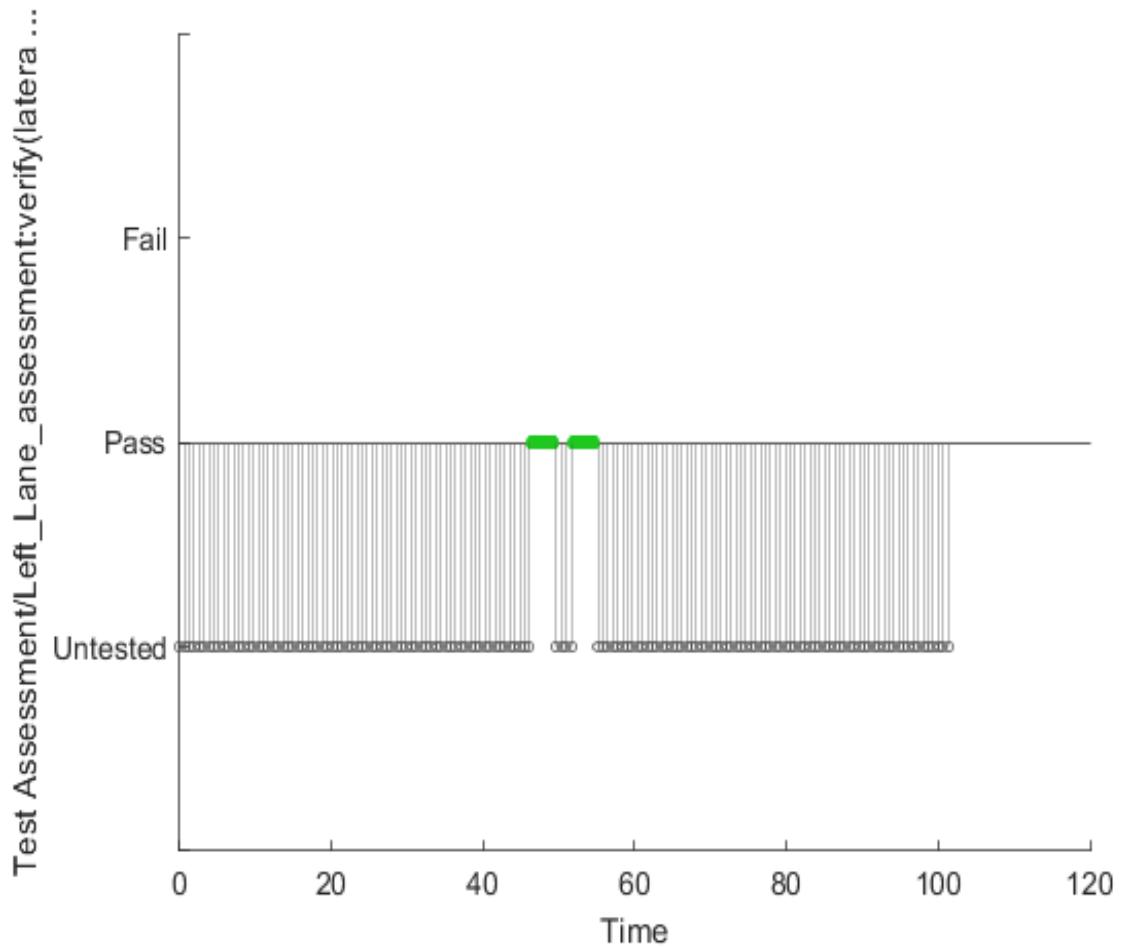
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

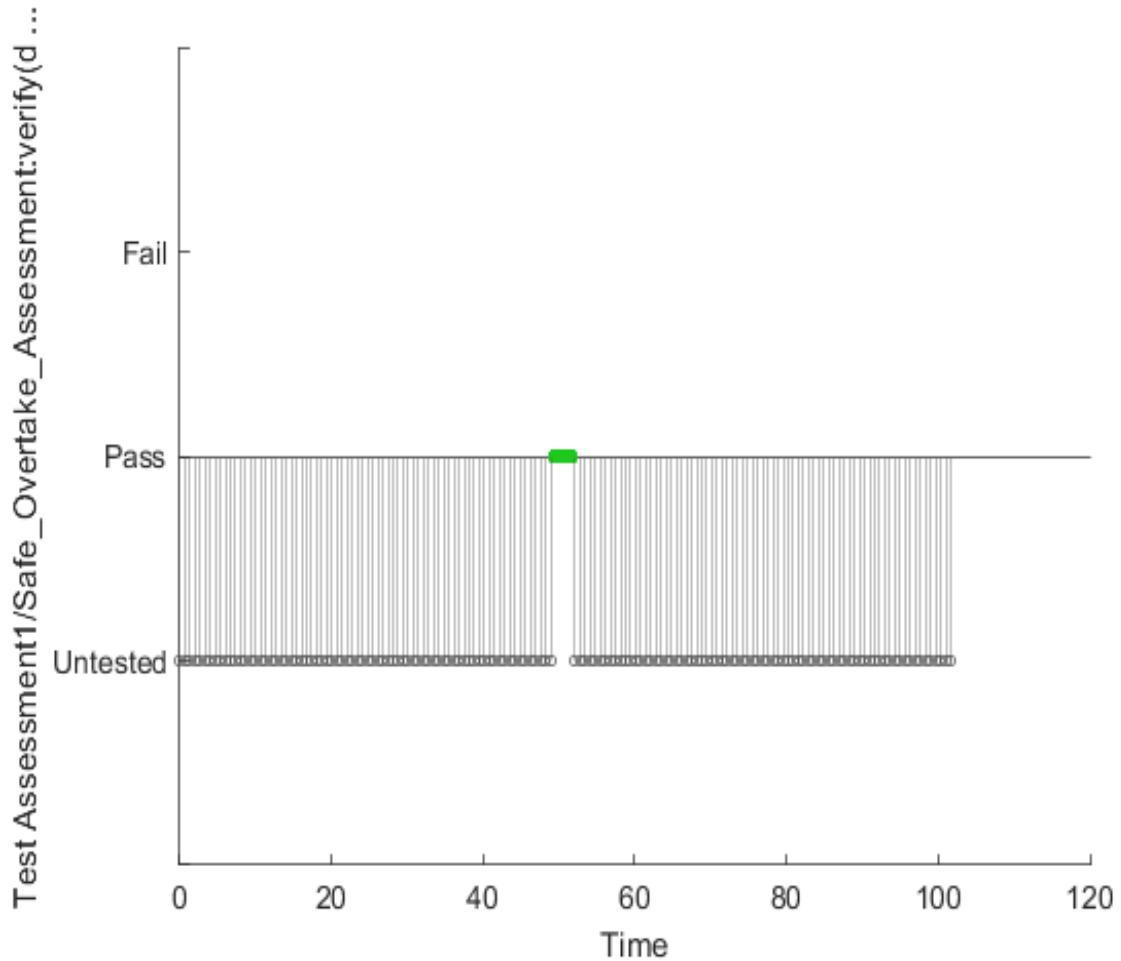
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



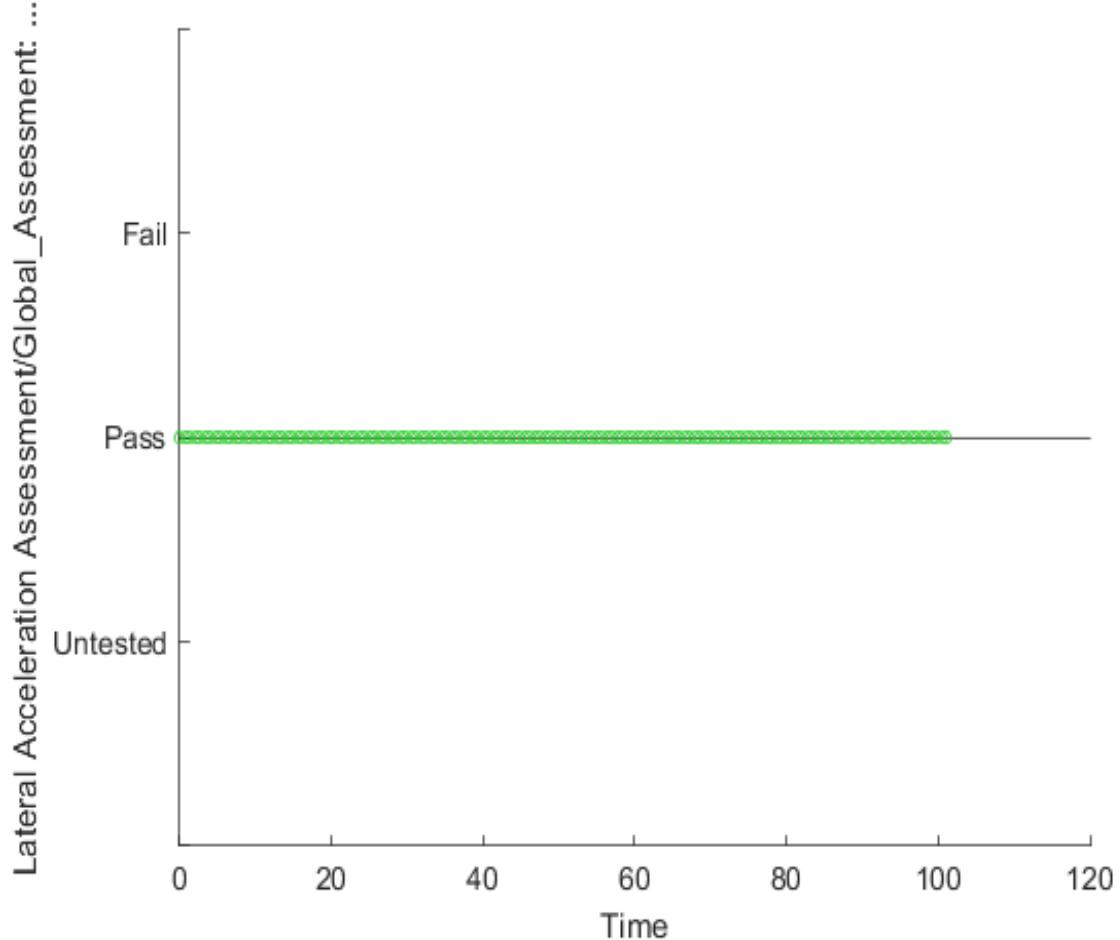
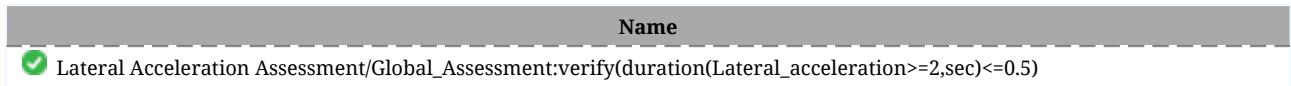
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

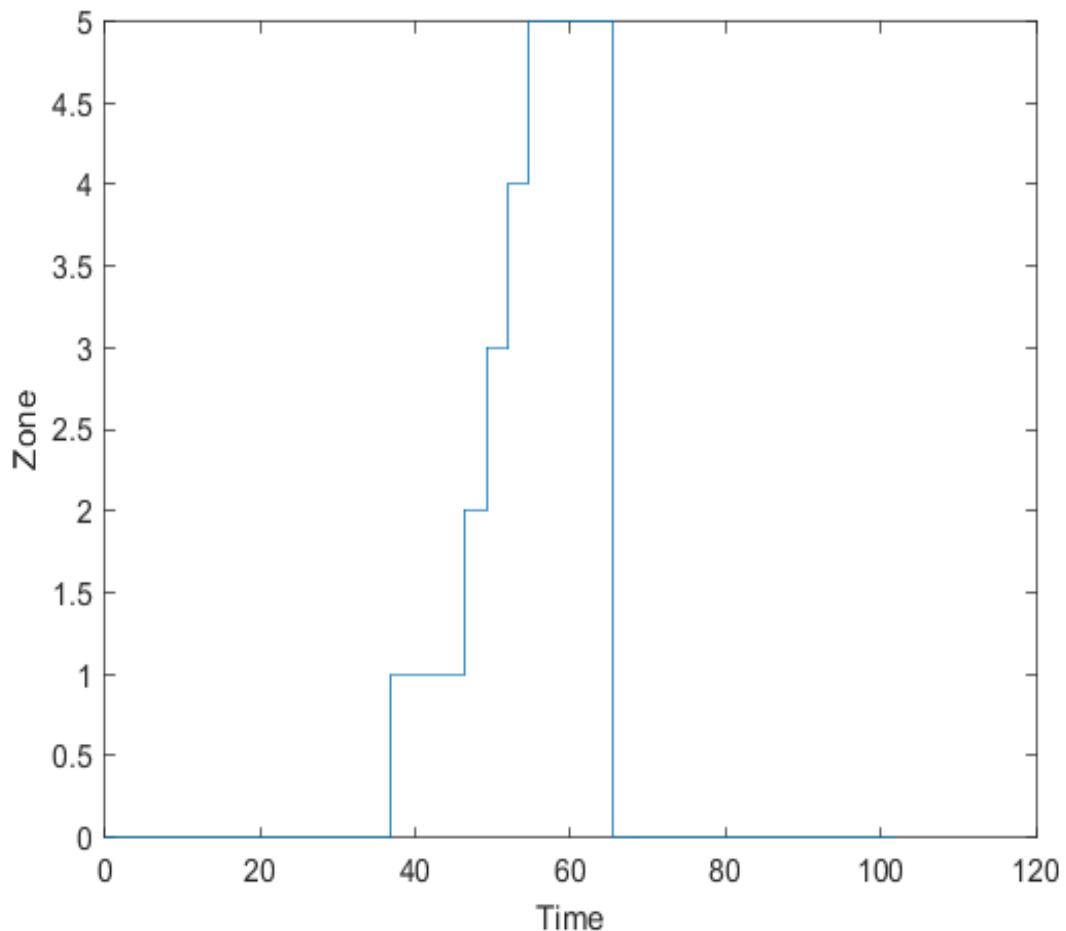
Start Time: 0  
Stop Time: 101.82337649086284  
Checksum: 3897230891 2554983064 1445871265 2888259817

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

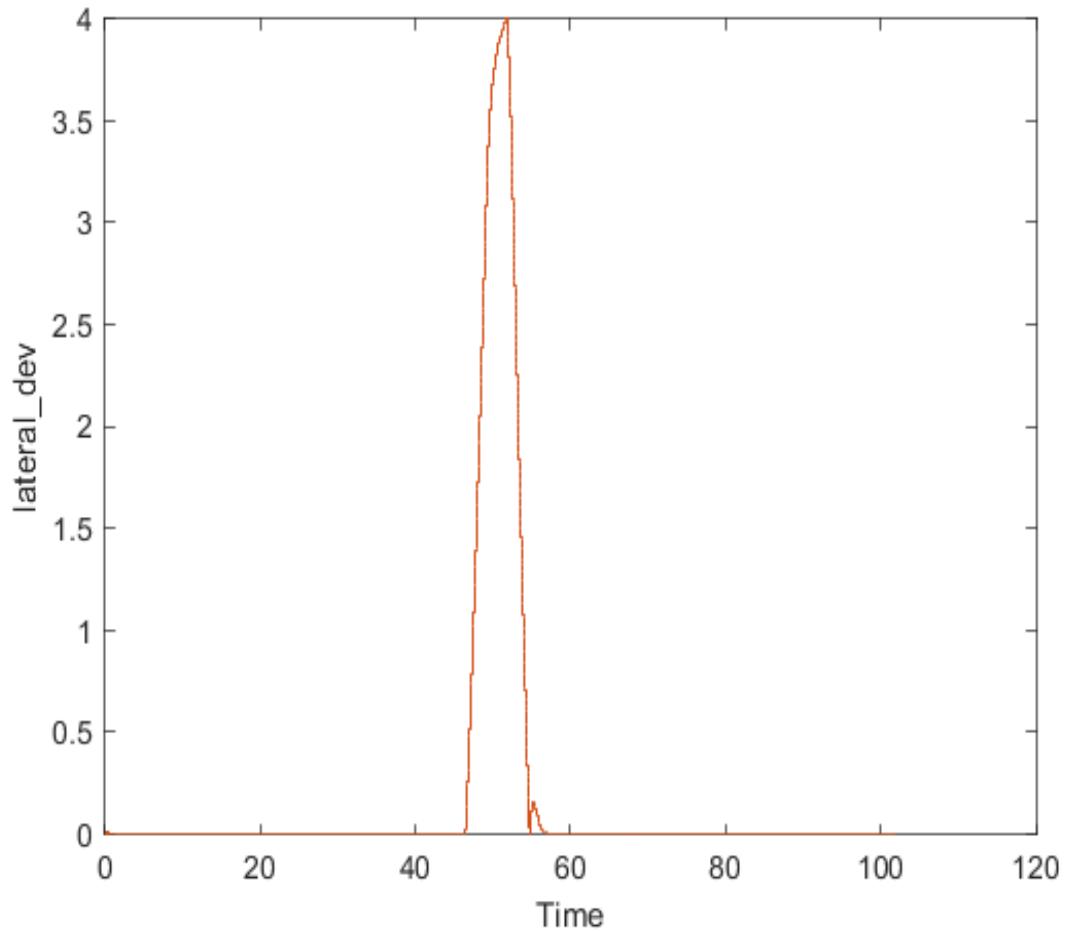
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -160° 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:58:12  
End Time: 19-May-2021 17:59:00  
Outcome: Passed

## Test Case Information

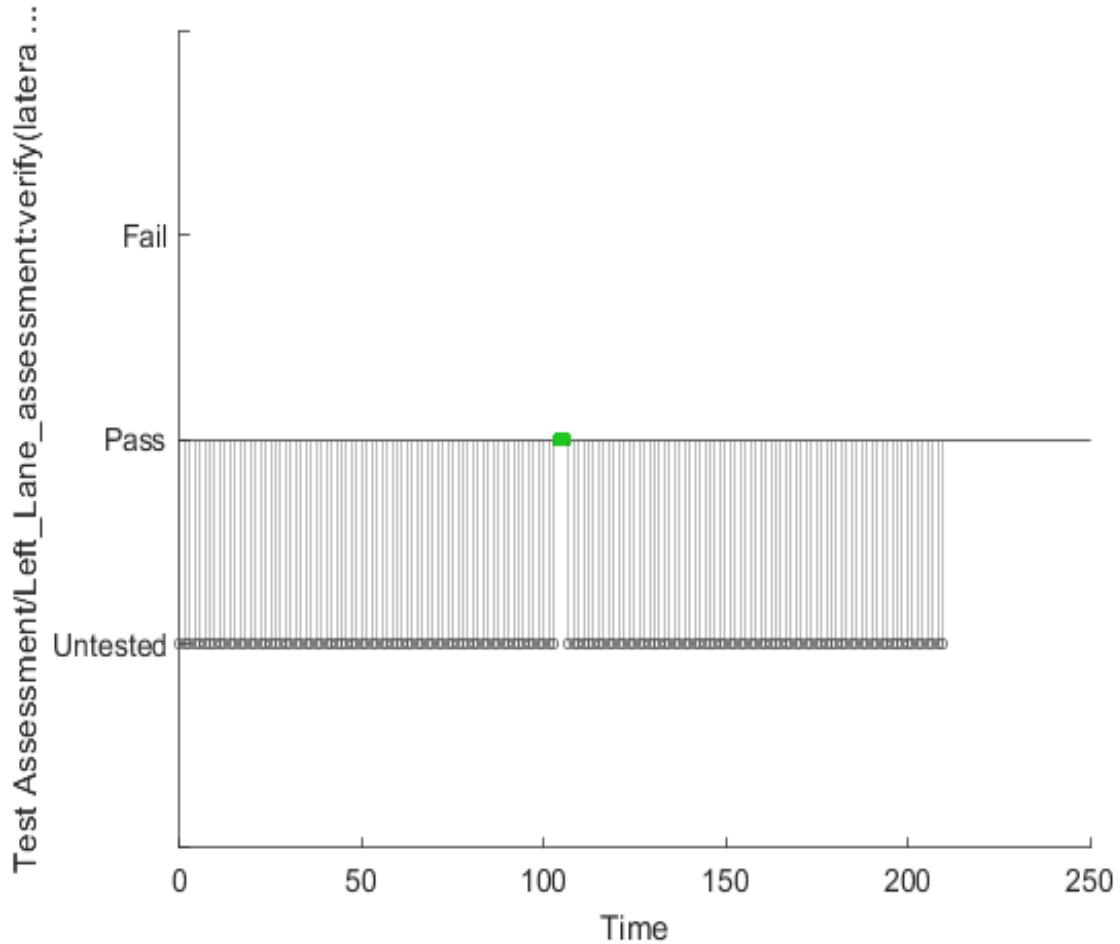
Name: -160° 50km/h  
Type: Simulation Test

## Verify Result

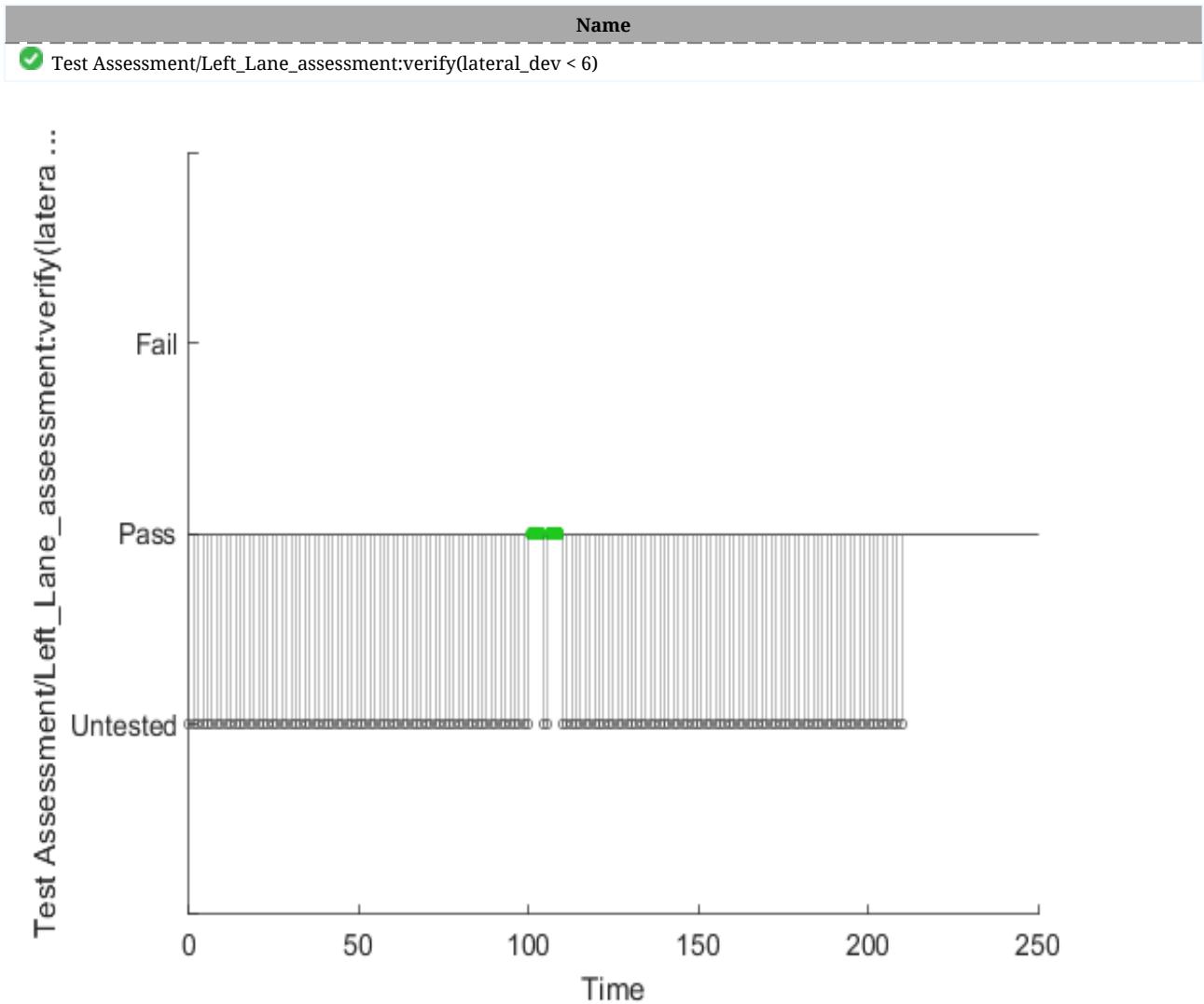
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



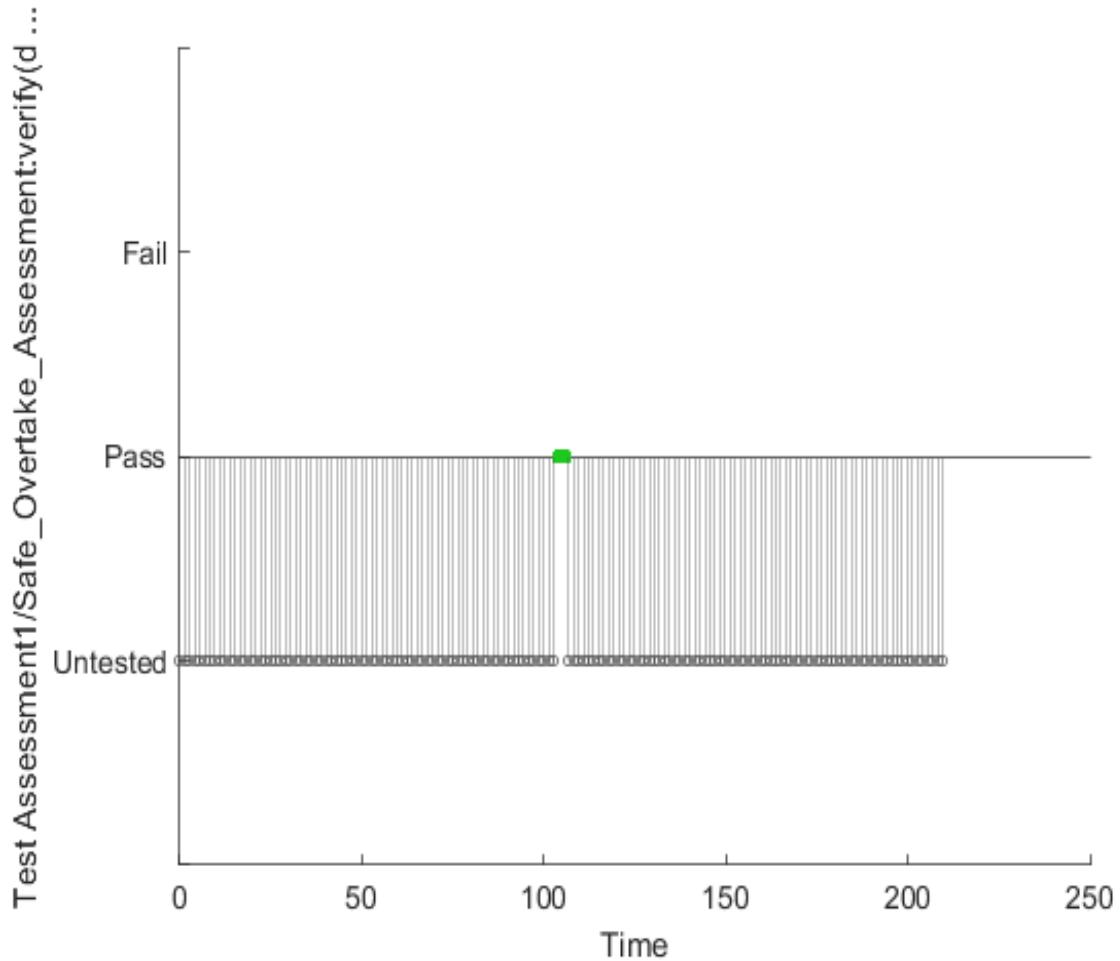
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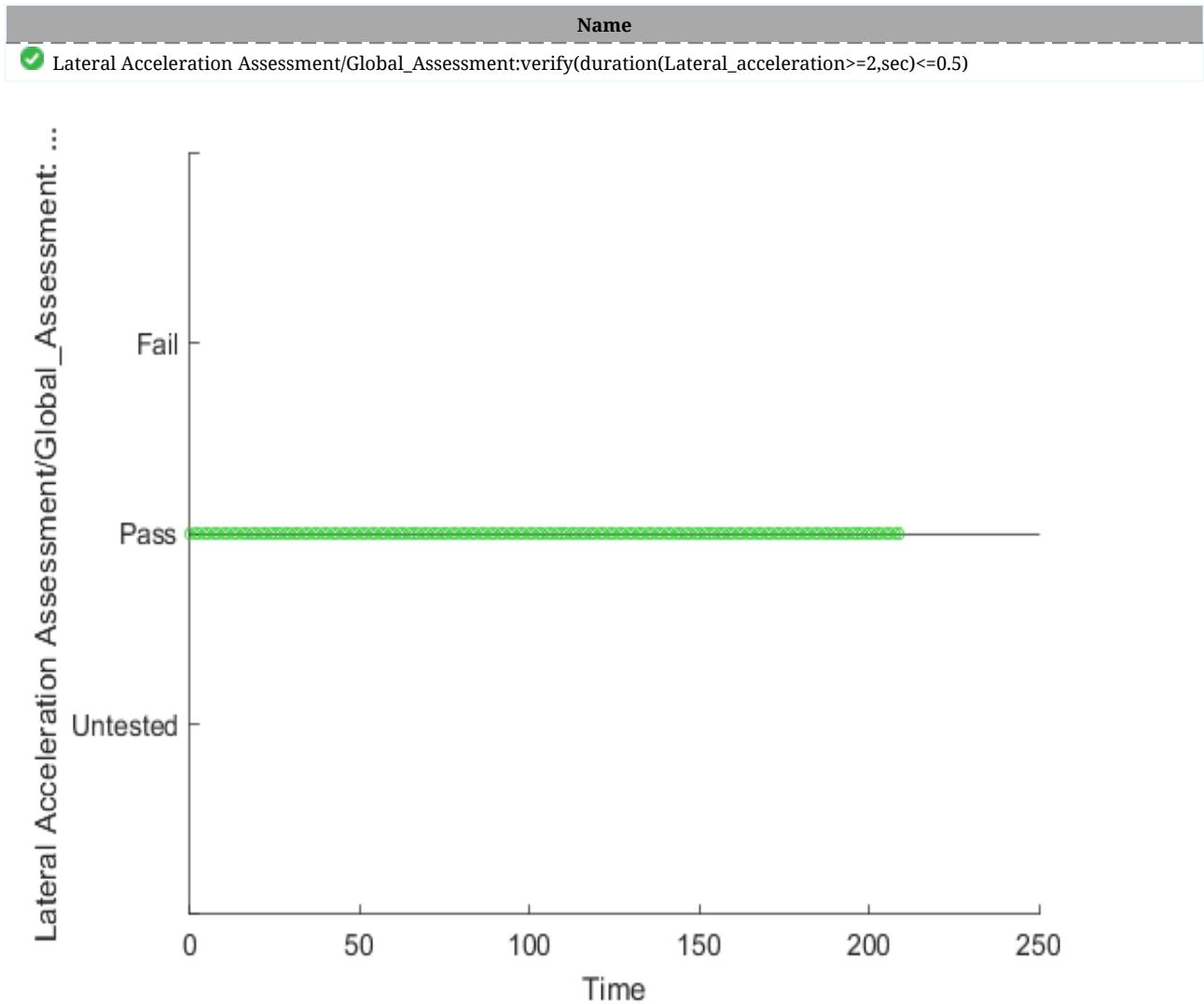
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

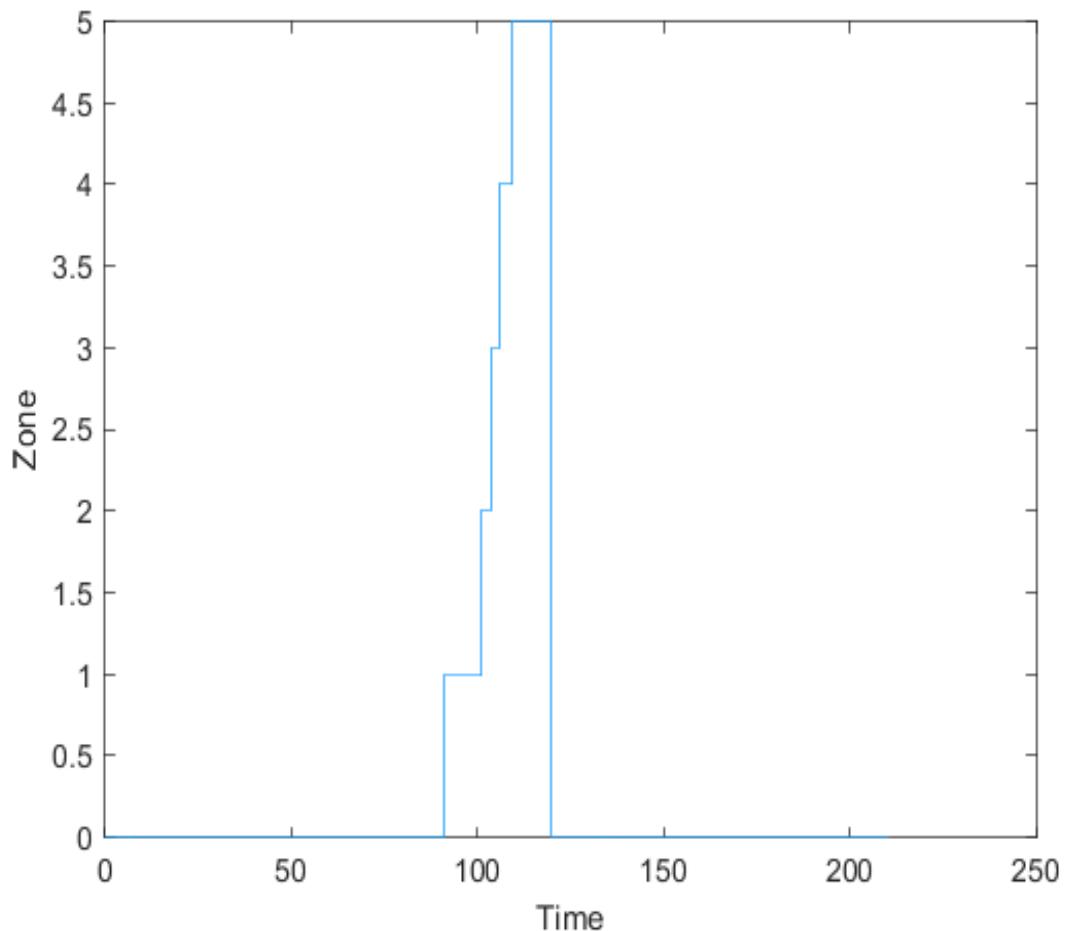
Start Time: 0  
Stop Time: 210.48161595730875  
Checksum: 1950608752 3325363458 1497884829 1748770208

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

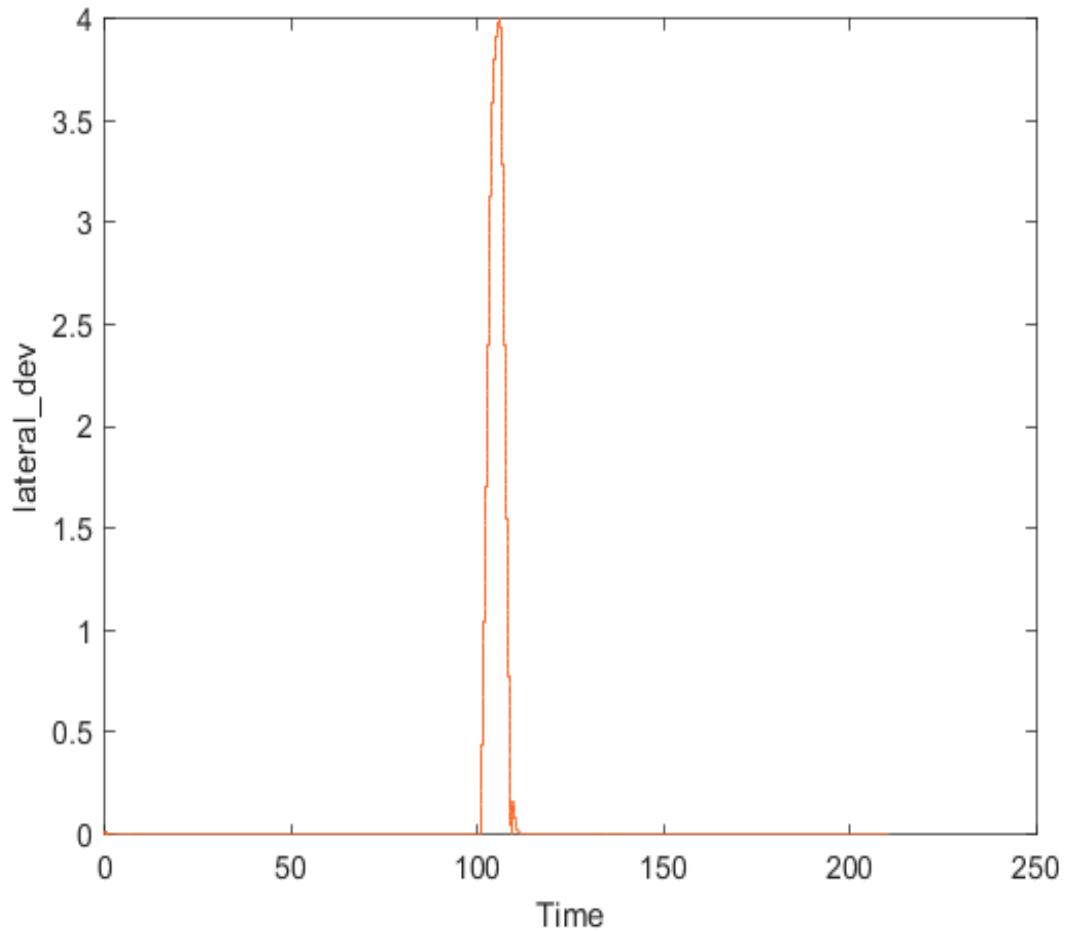
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature clockwise 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 17:59:00  
End Time: 19-May-2021 18:00:37  
Outcome: Passed

## Test Case Information

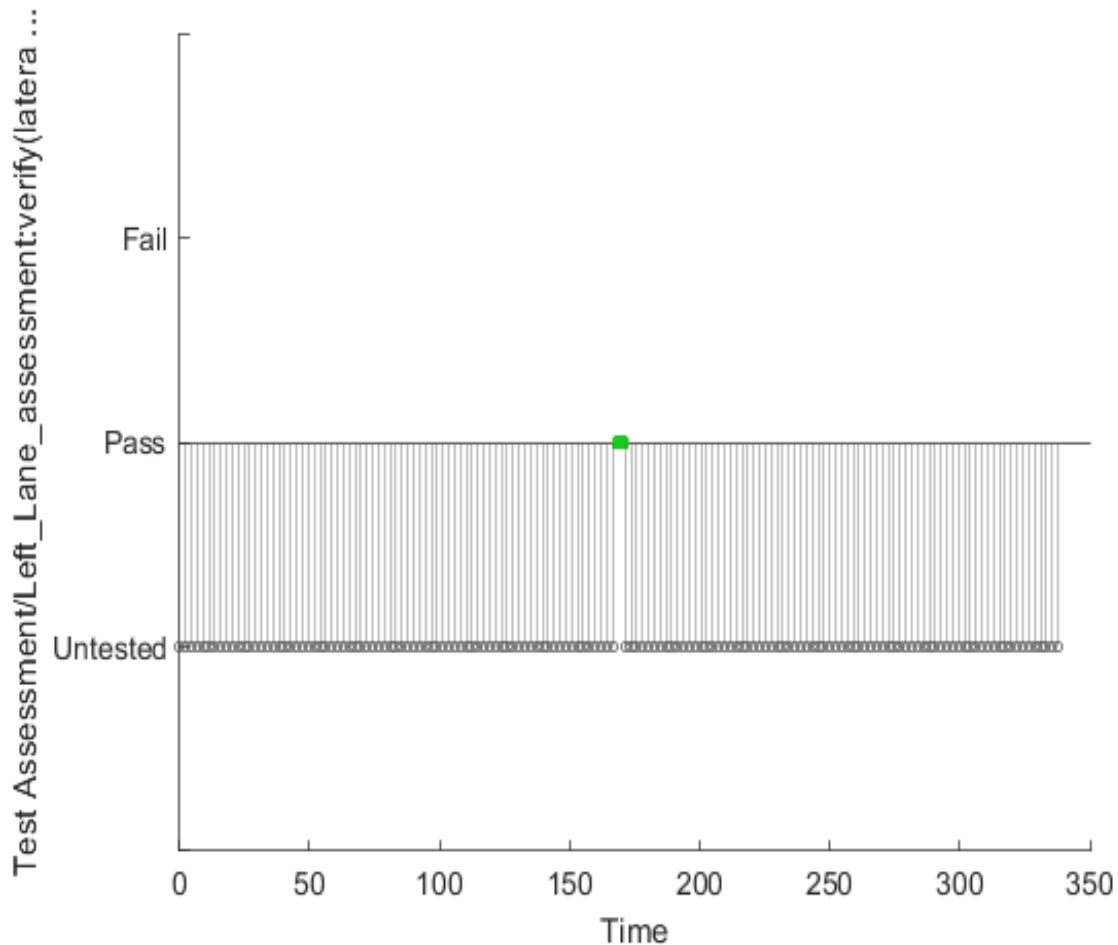
Name: 1000m curvature clockwise 50km/h  
Type: Simulation Test

## Verify Result

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

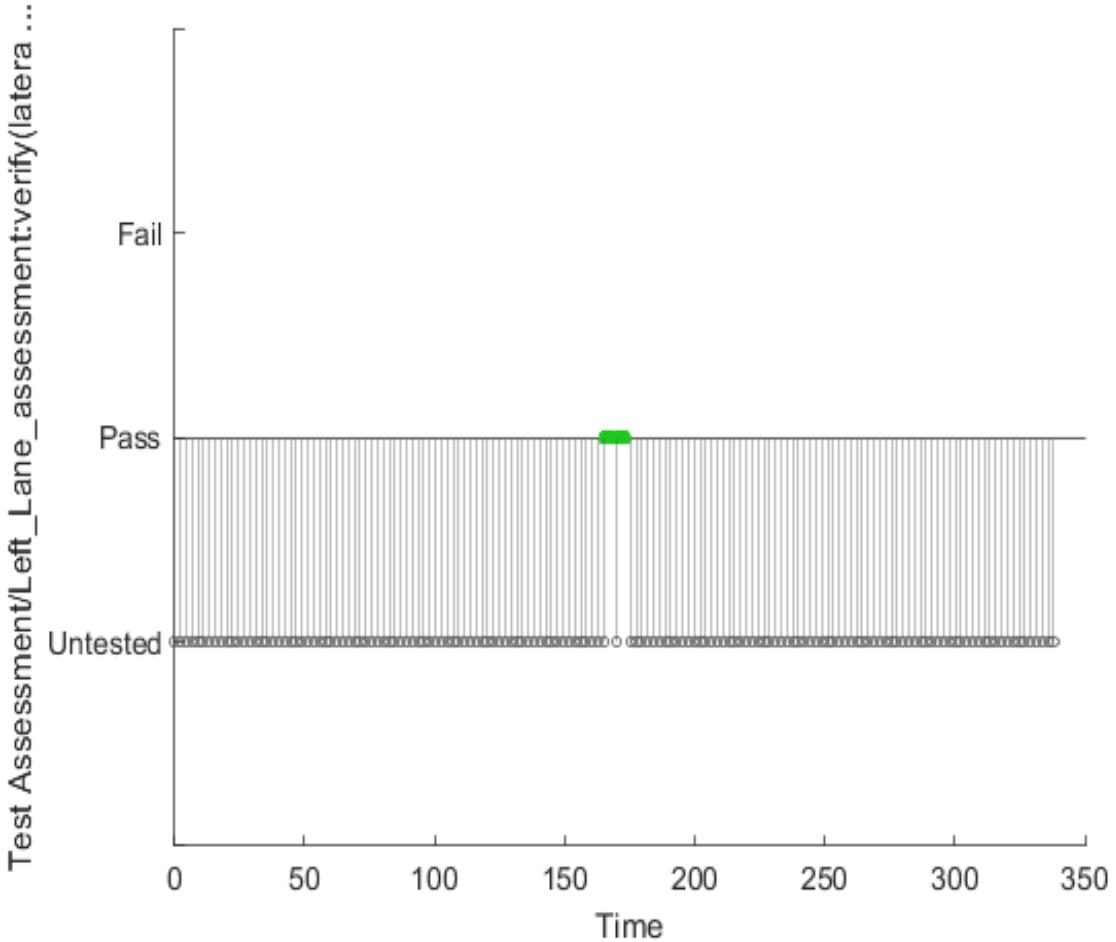
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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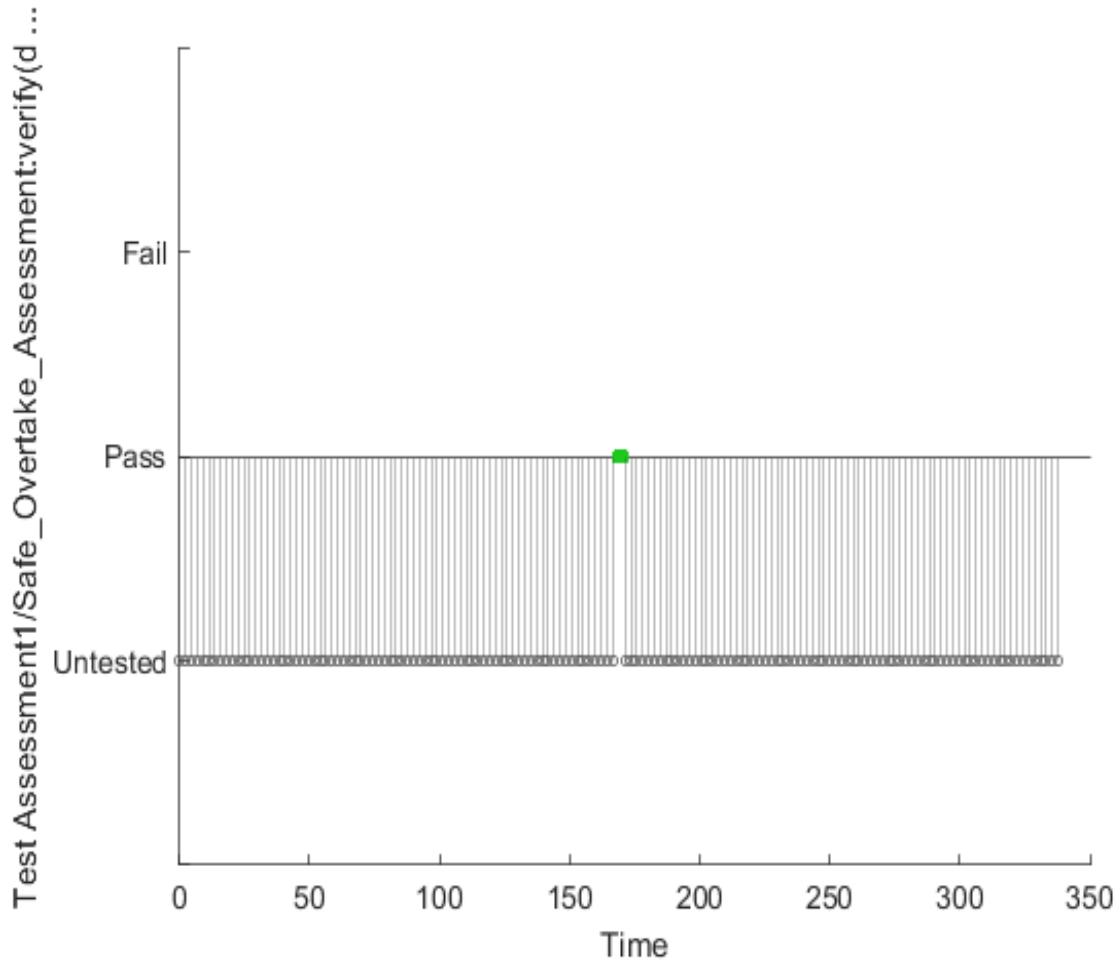
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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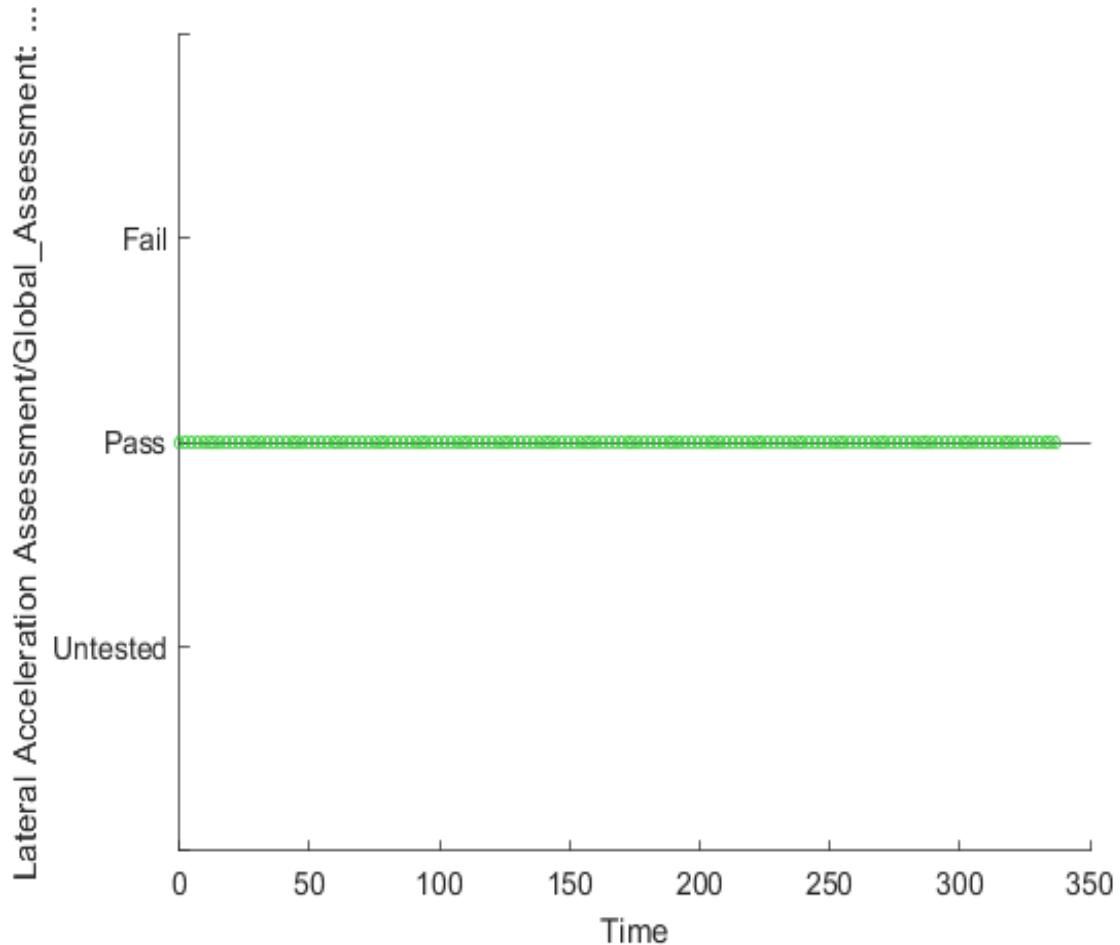
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

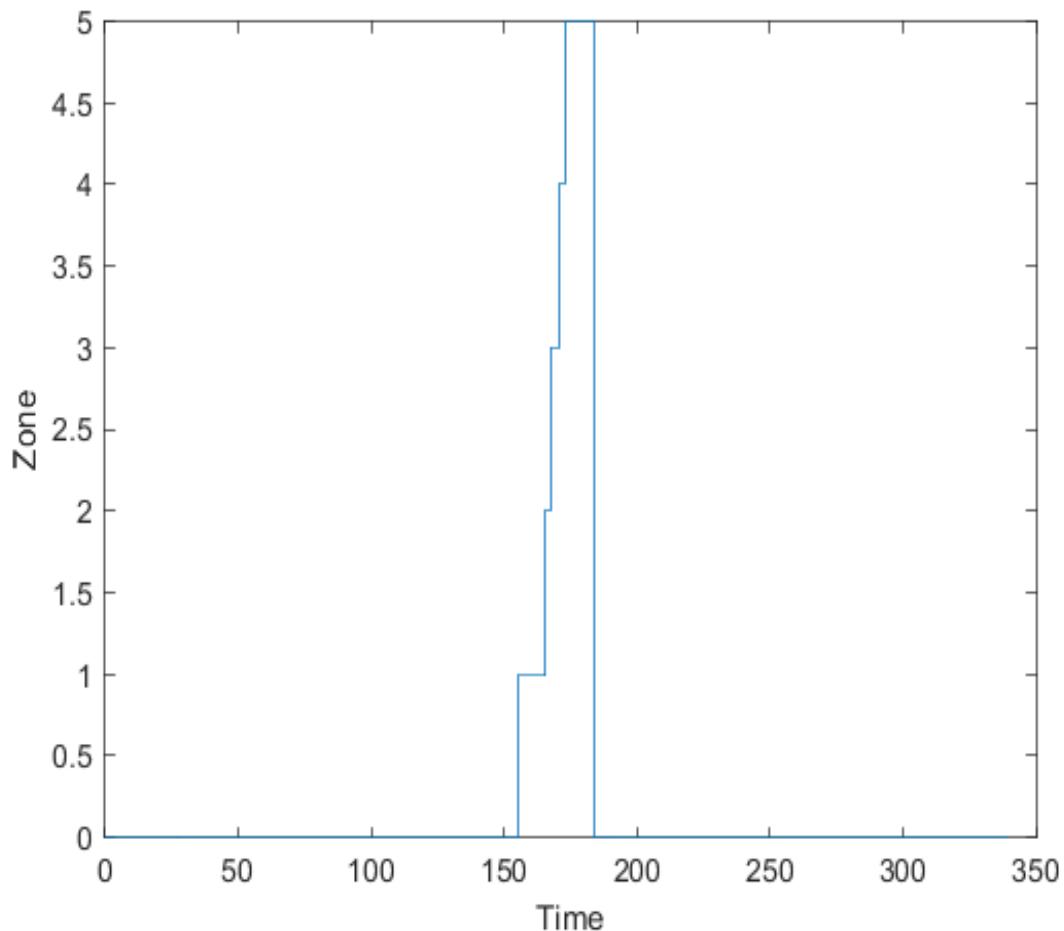
Start Time: 0  
Stop Time: 339.29999999984005  
Checksum: 963801961 2549221000 2284223359 1593093471

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

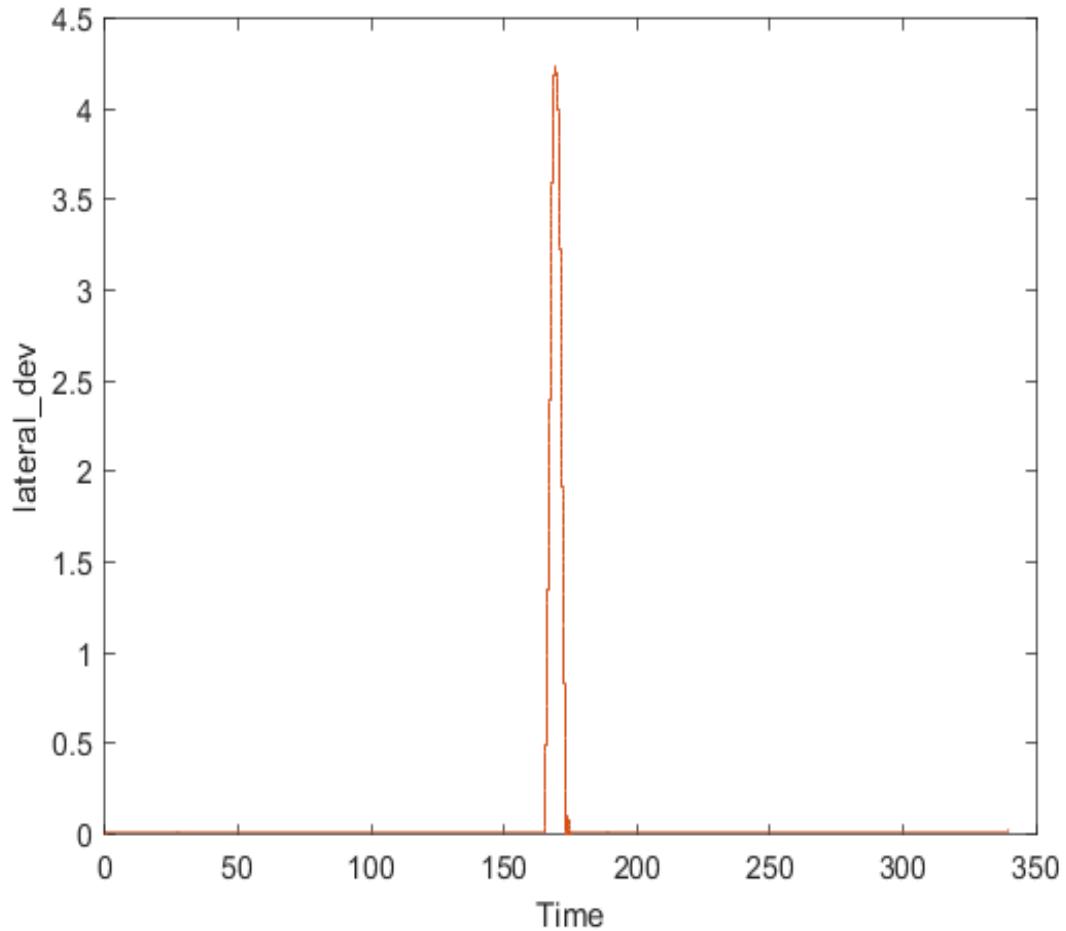
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature clockwise 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 18:00:37  
End Time: 19-May-2021 18:01:17  
Outcome: Passed

## Test Case Information

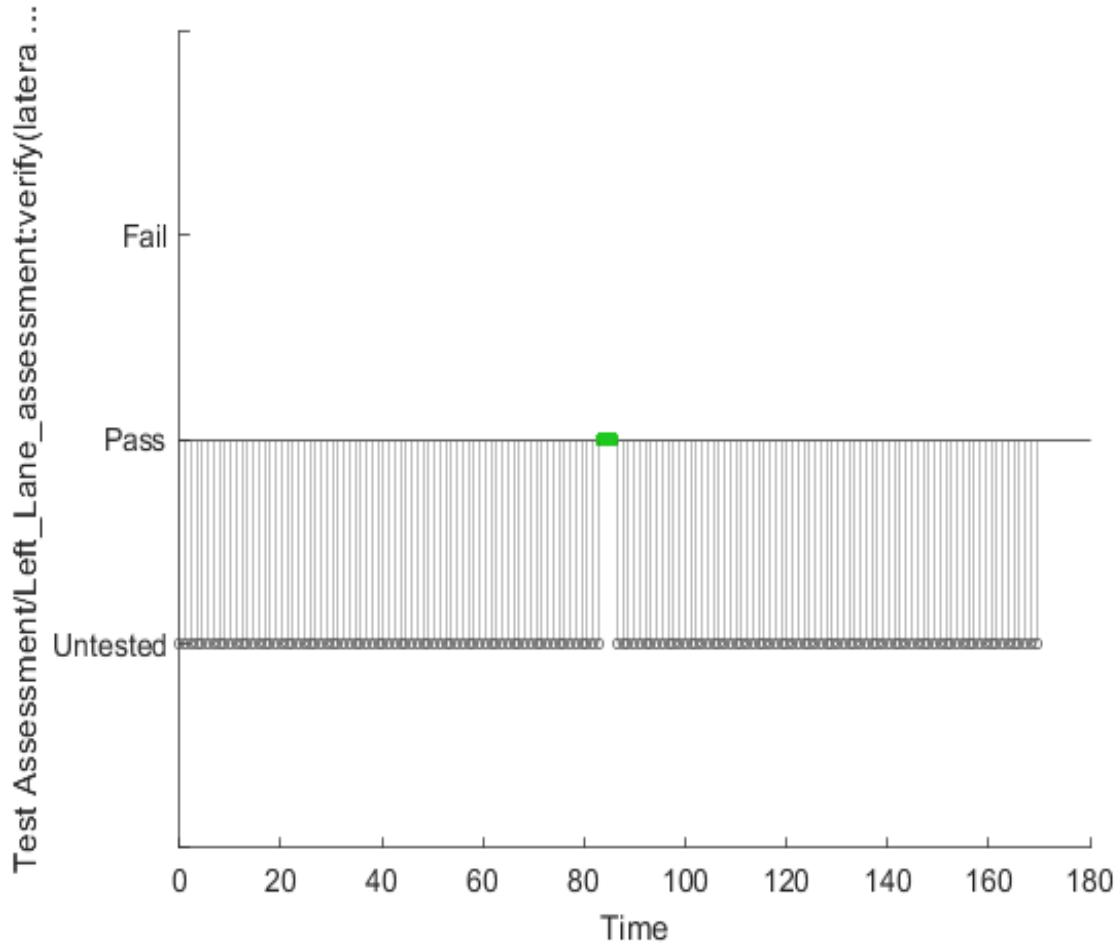
Name: 500m curvature clockwise 50km/h  
Type: Simulation Test

## Verify Result

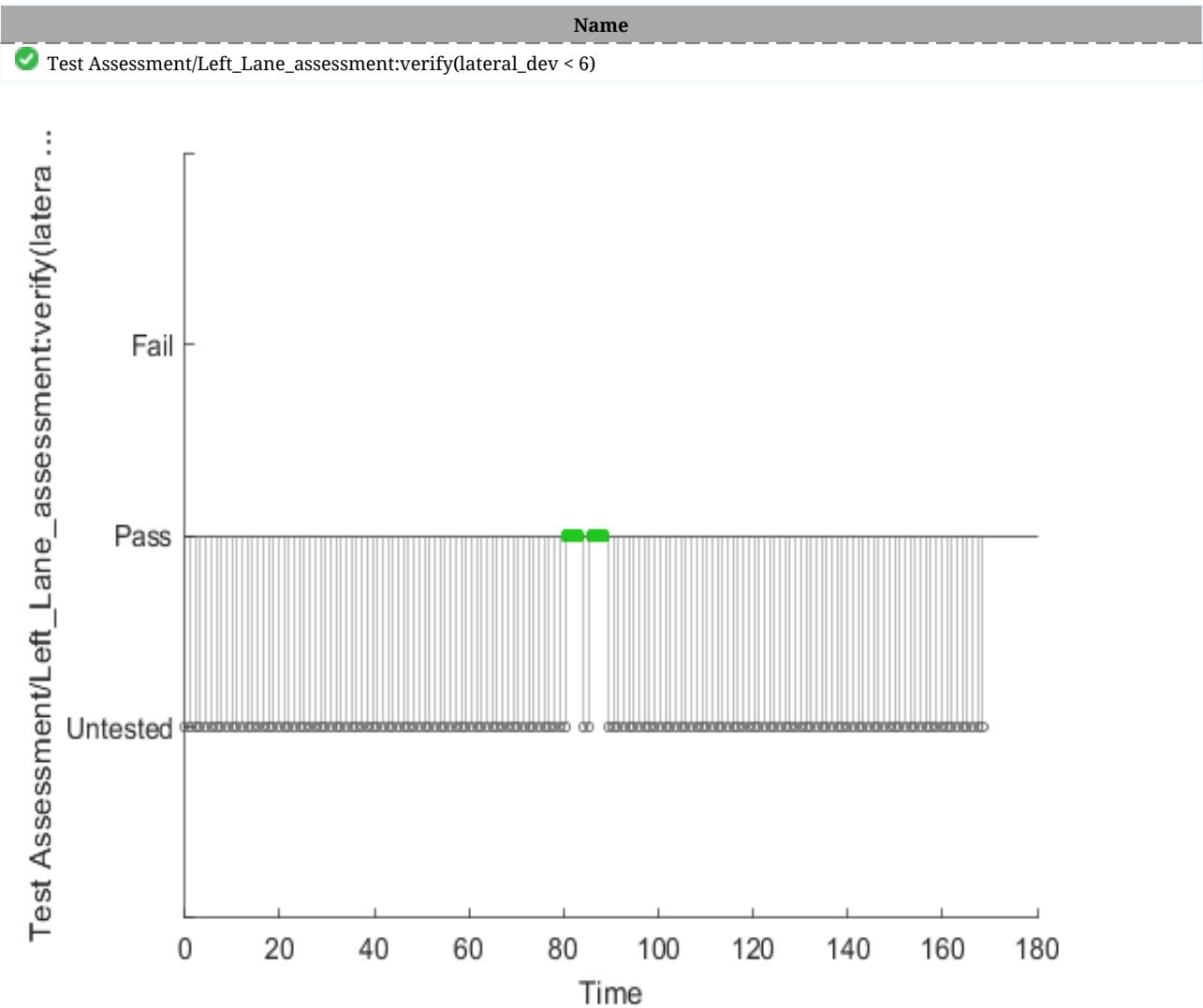
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



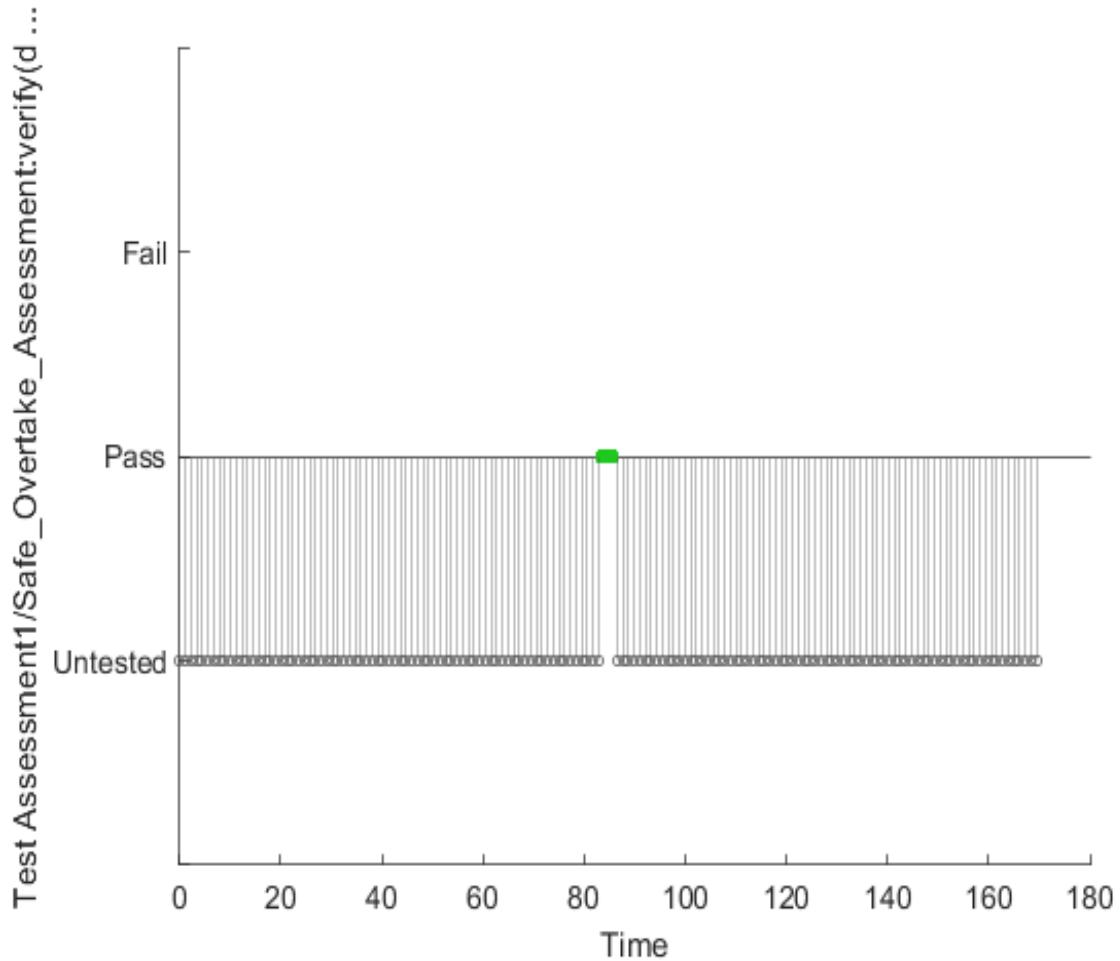
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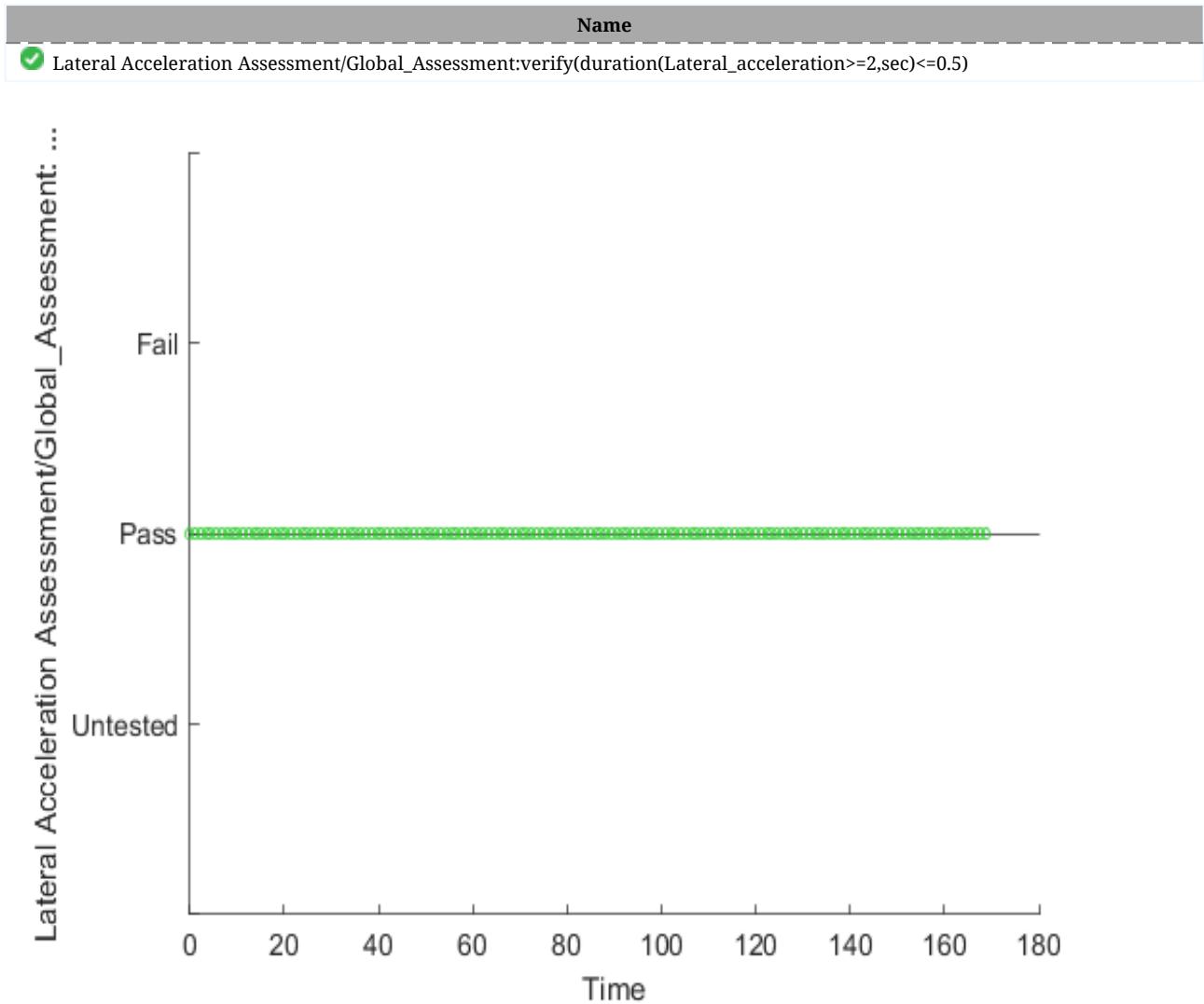
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

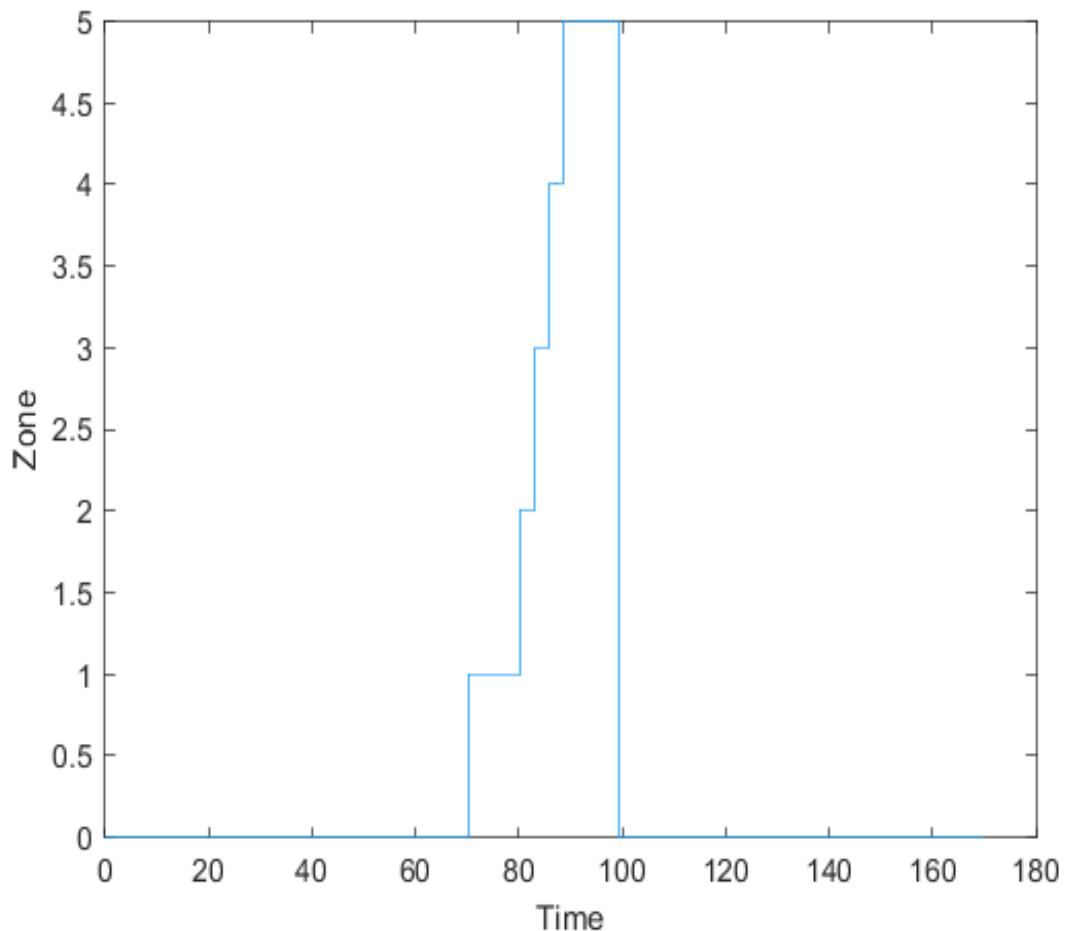
Start Time: 0  
Stop Time: 169.650000000000313  
Checksum: 148901719 4283494041 2849782483 8574799

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

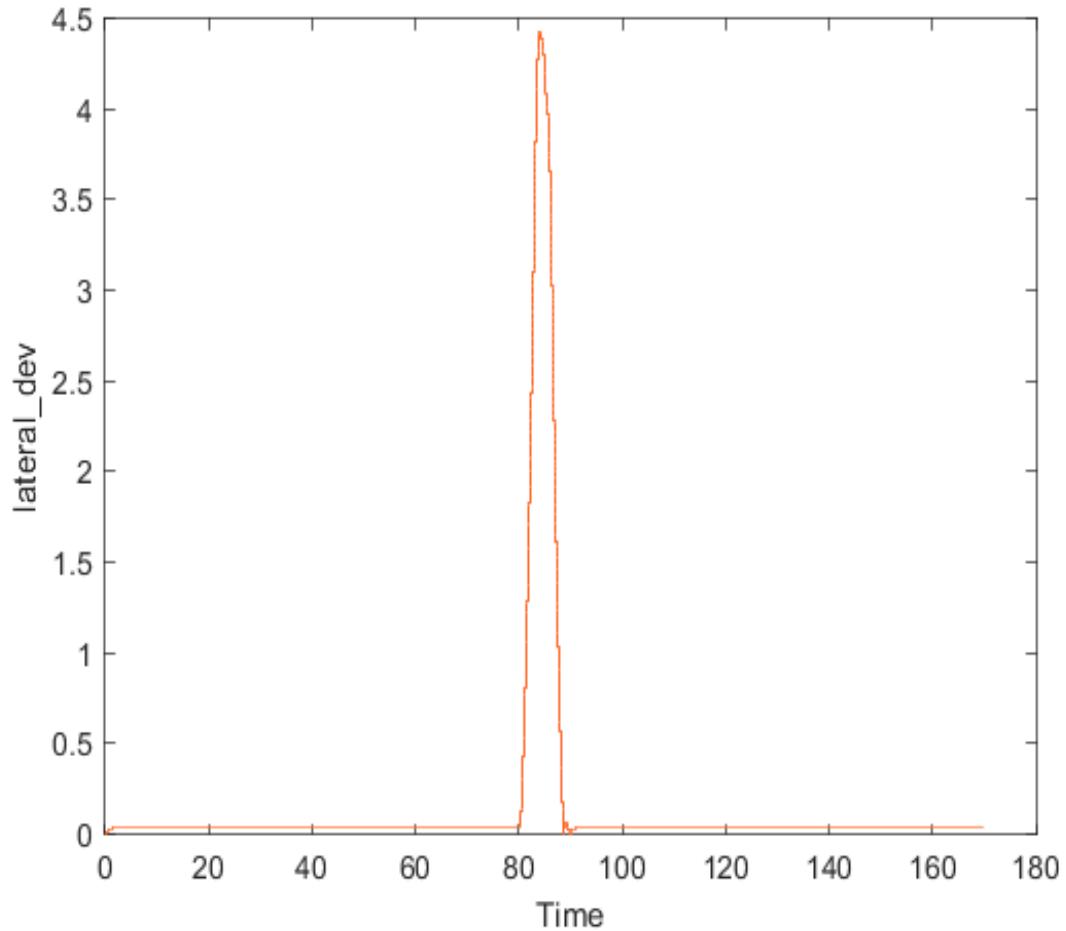
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature clockwise 50km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_50km/h](#)

Start Time: 19-May-2021 18:01:17  
End Time: 19-May-2021 18:01:37  
Outcome: Passed

## Test Case Information

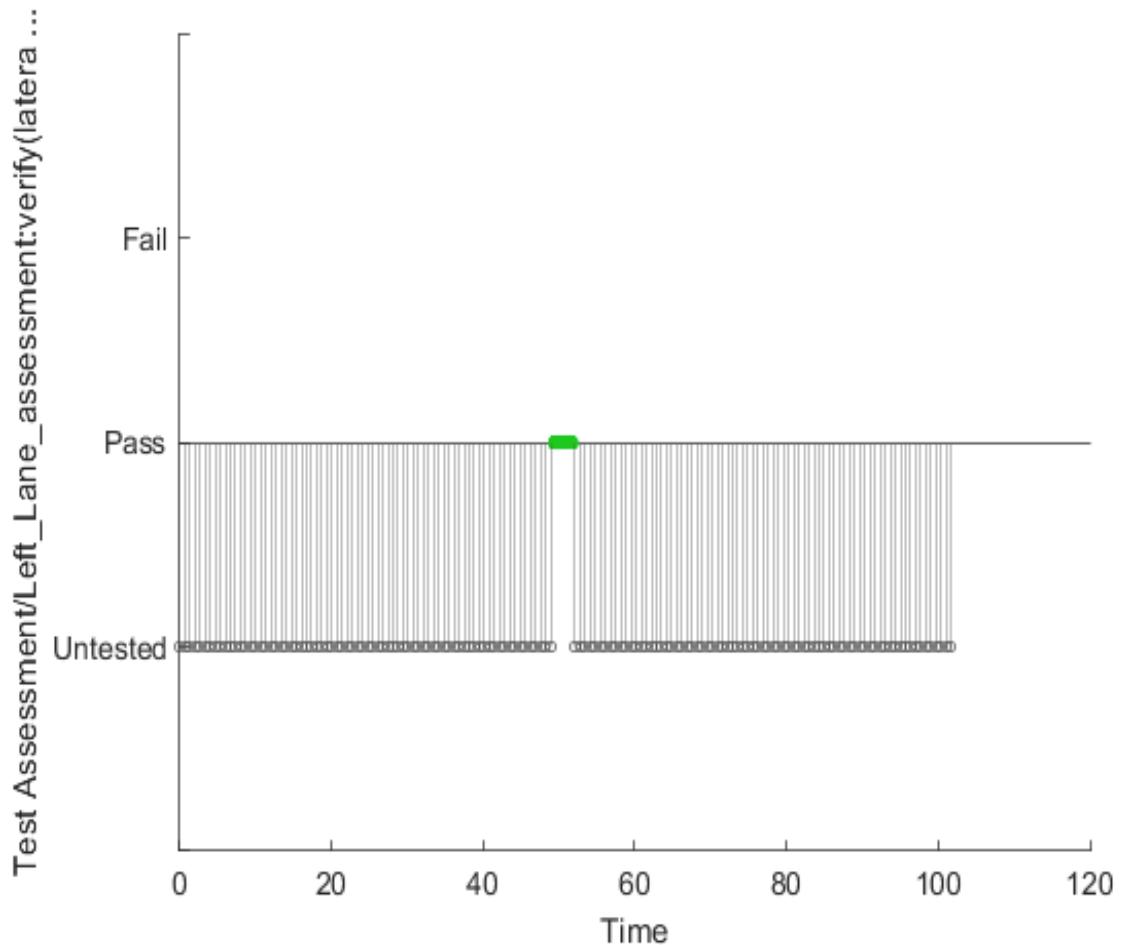
Name: 300m curvature clockwise 50km/h  
Type: Simulation Test

## Verify Result

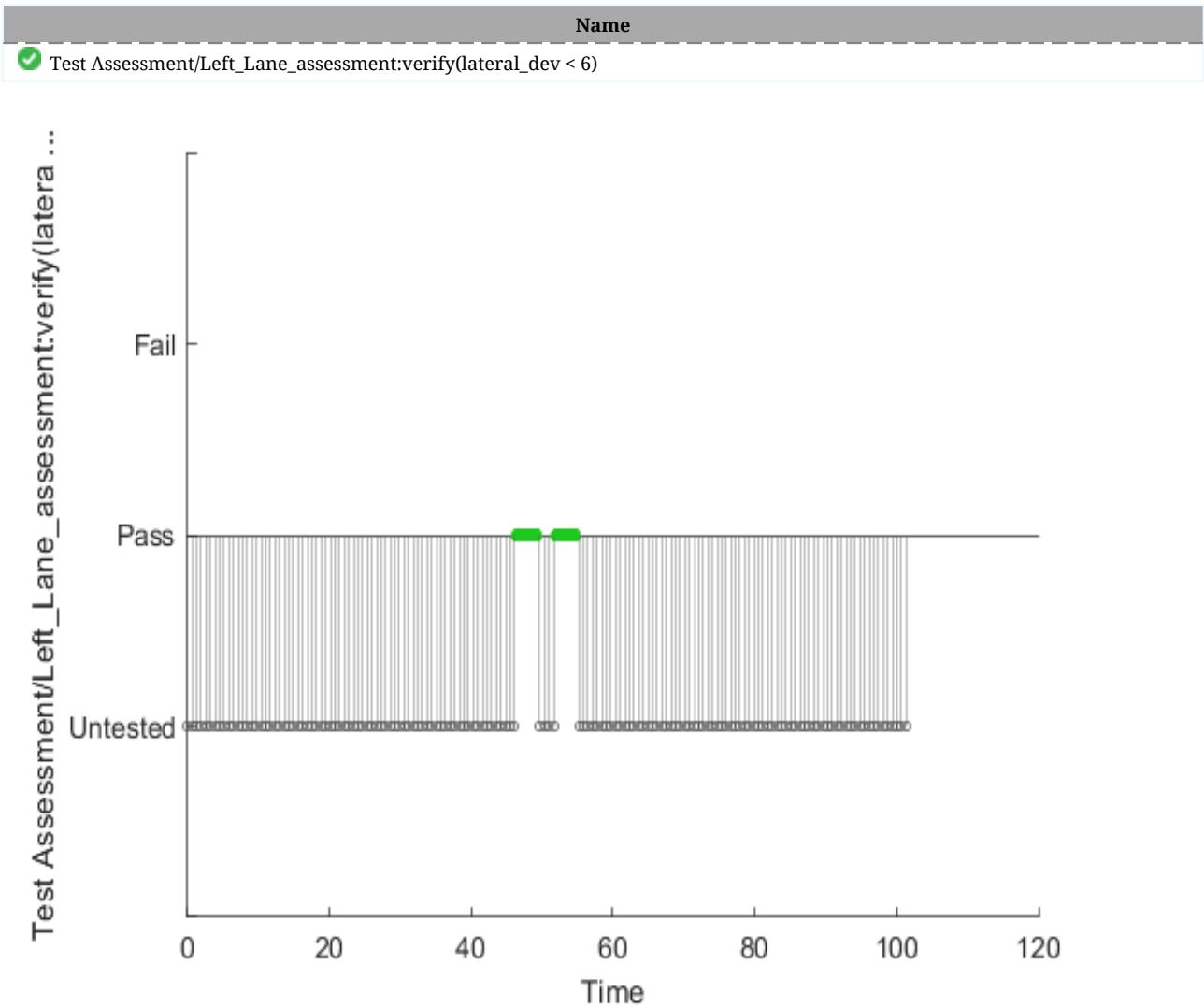
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



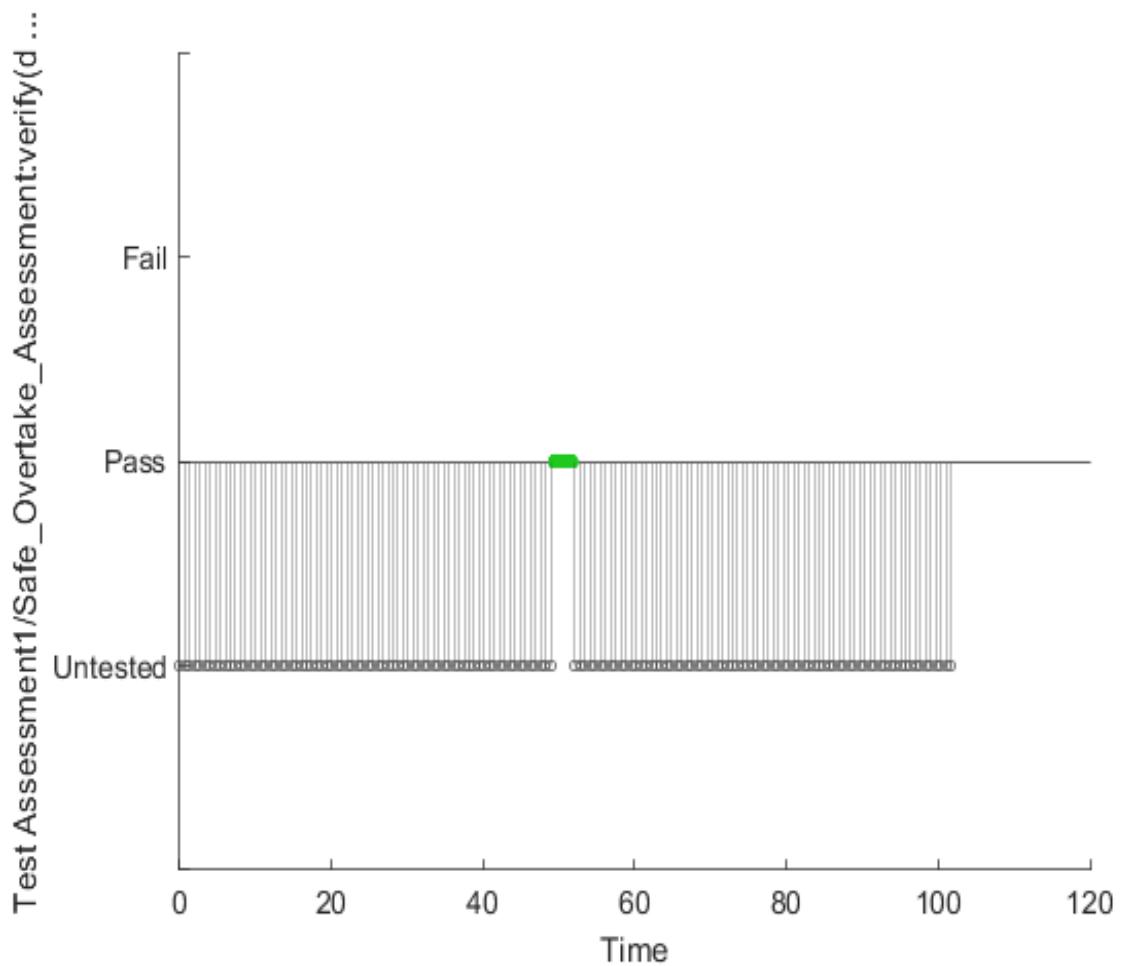
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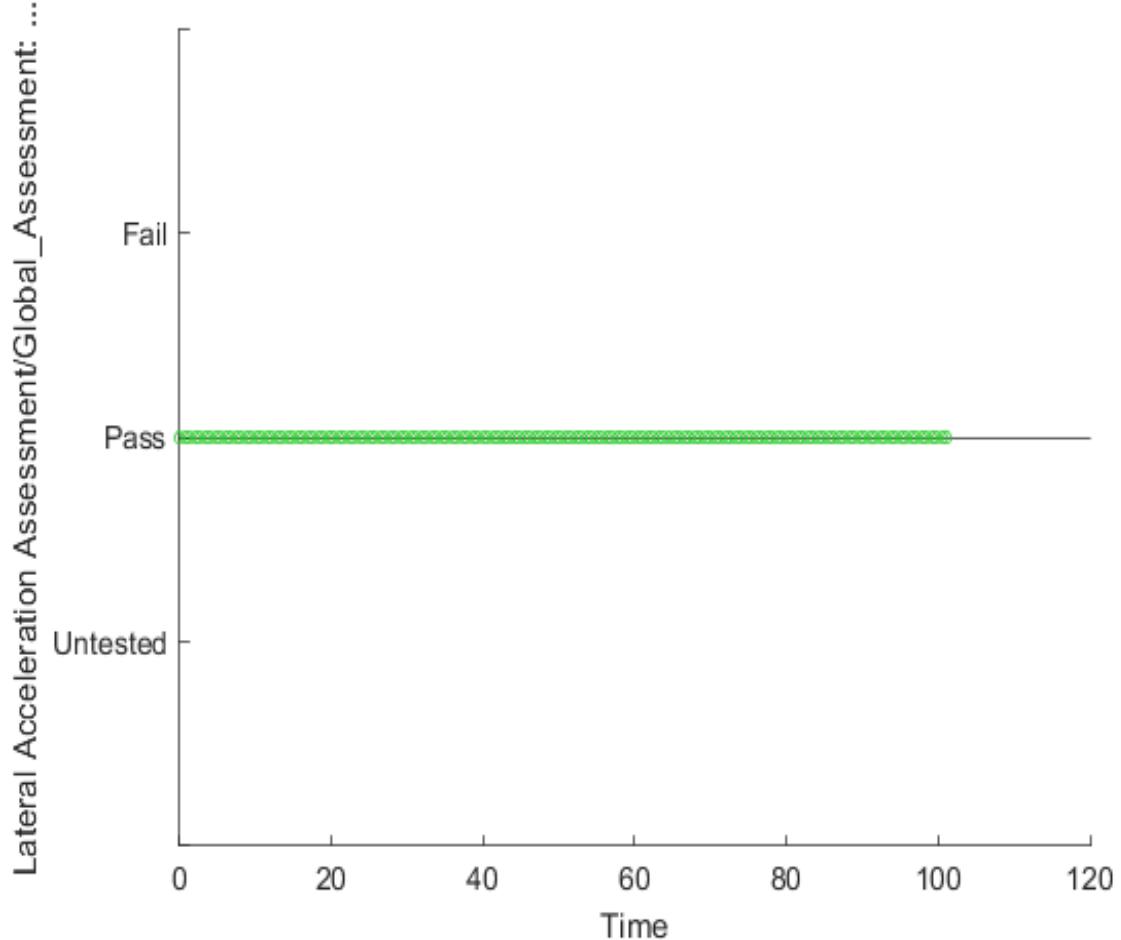
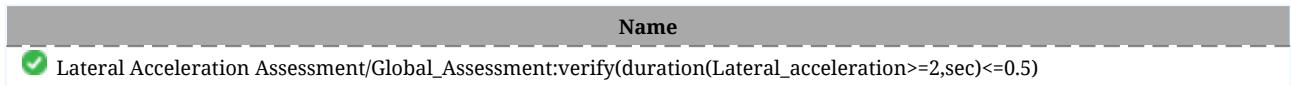
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

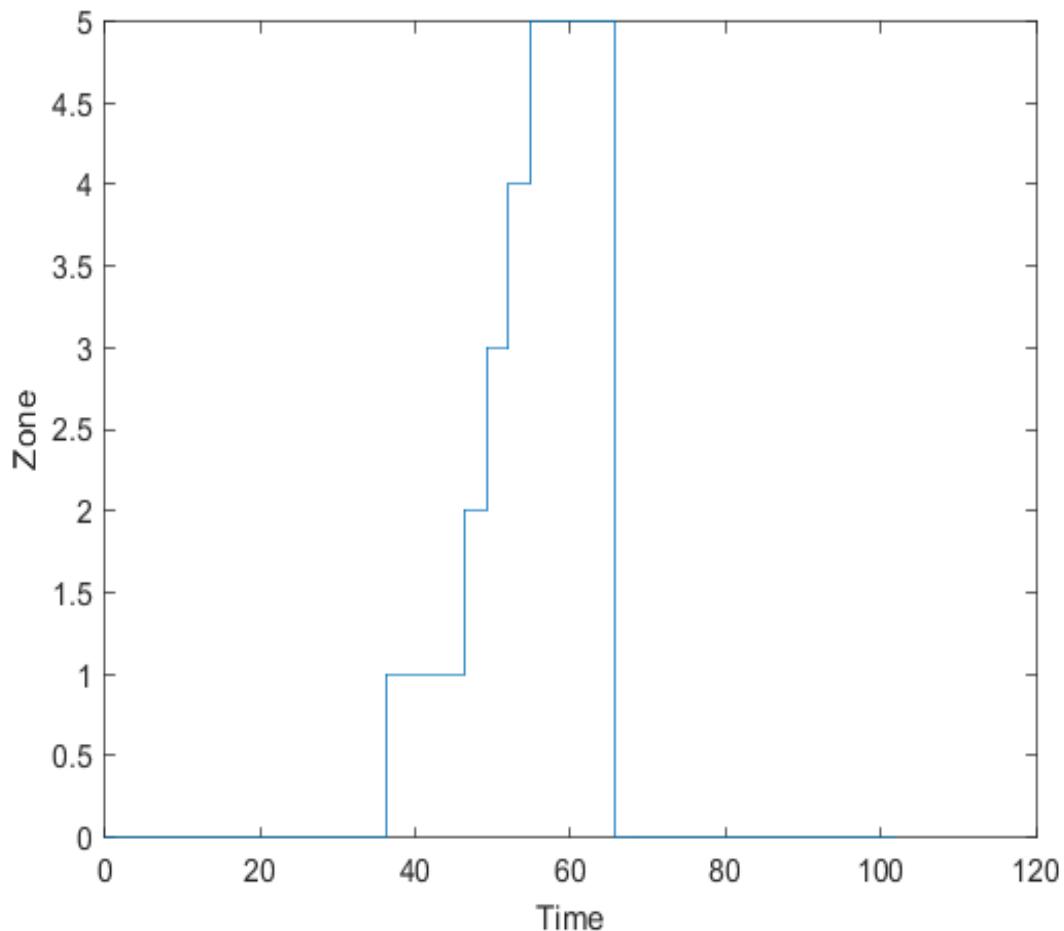
Start Time: 0  
Stop Time: 101.79000000001147  
Checksum: 4036408268 86696304 2813780940 747537718

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

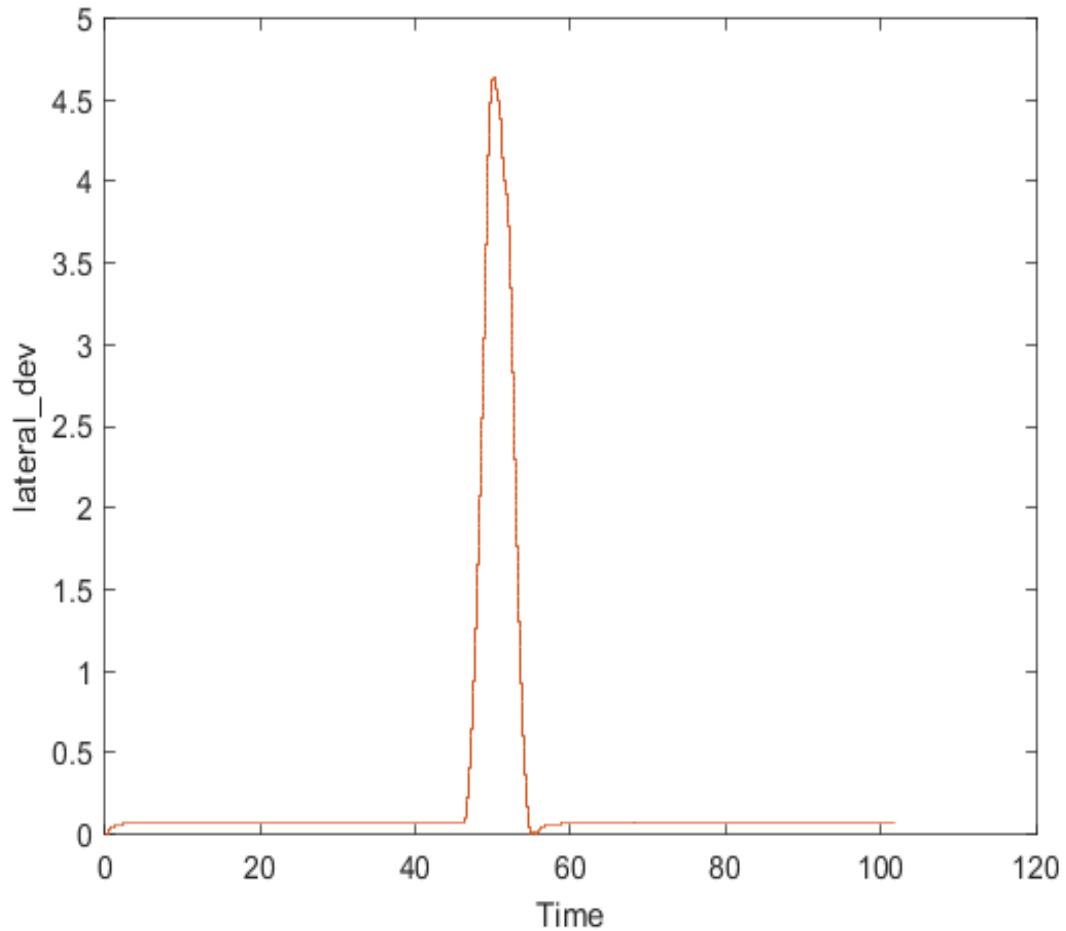
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature counterclockwise 50k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 50km/h](#)  
Start Time: 19-May-2021 18:01:37  
End Time: 19-May-2021 18:01:58  
Outcome: Passed

## Test Case Information

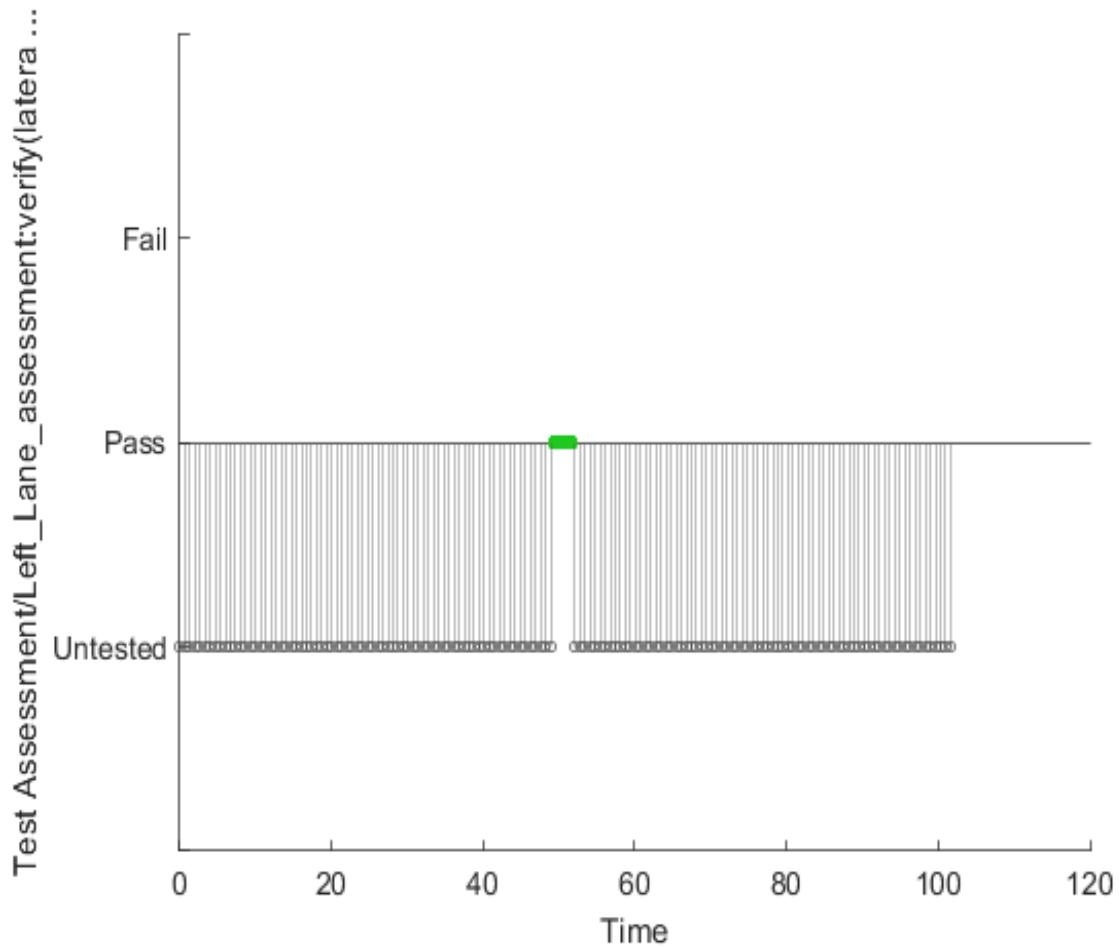
Name: 300m curvature counterclockwise 50km/h  
Type: Simulation Test

## Verify Result

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

### Name

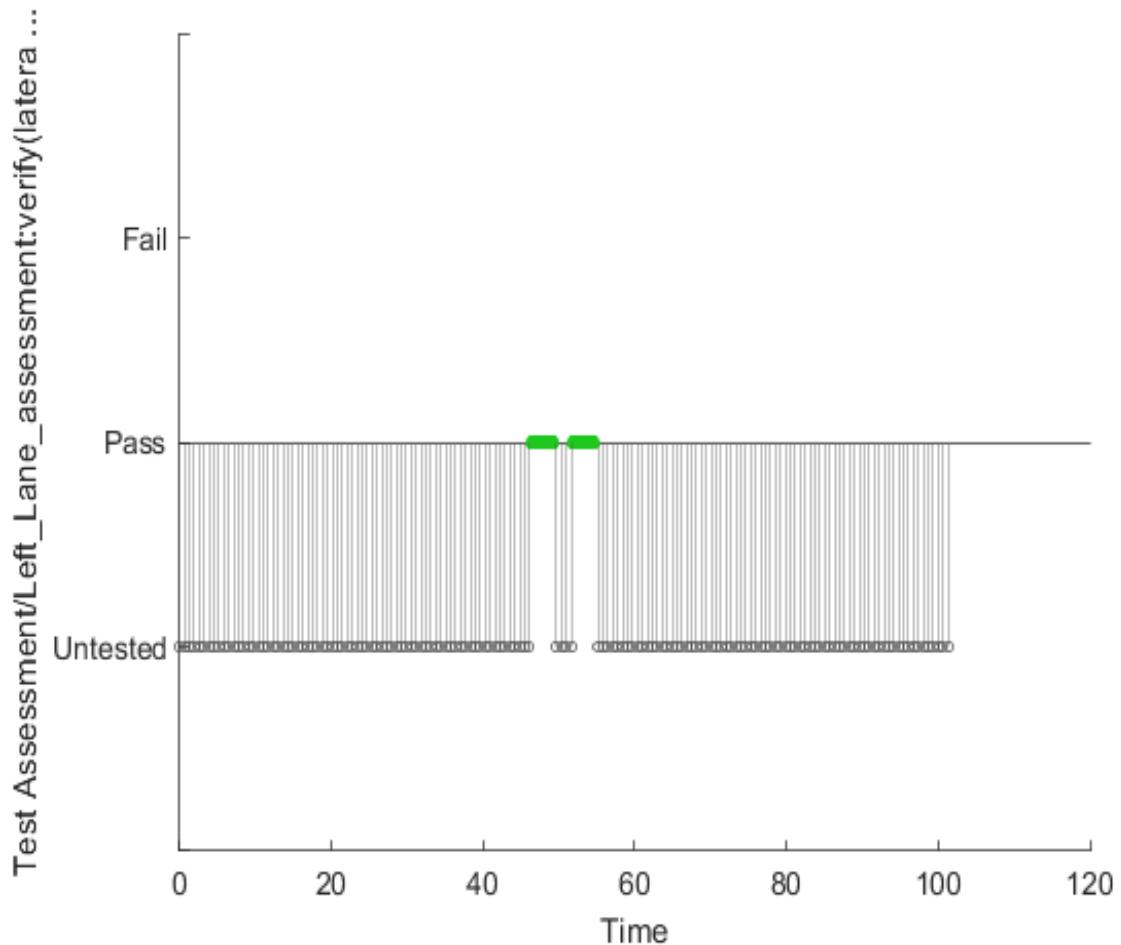
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

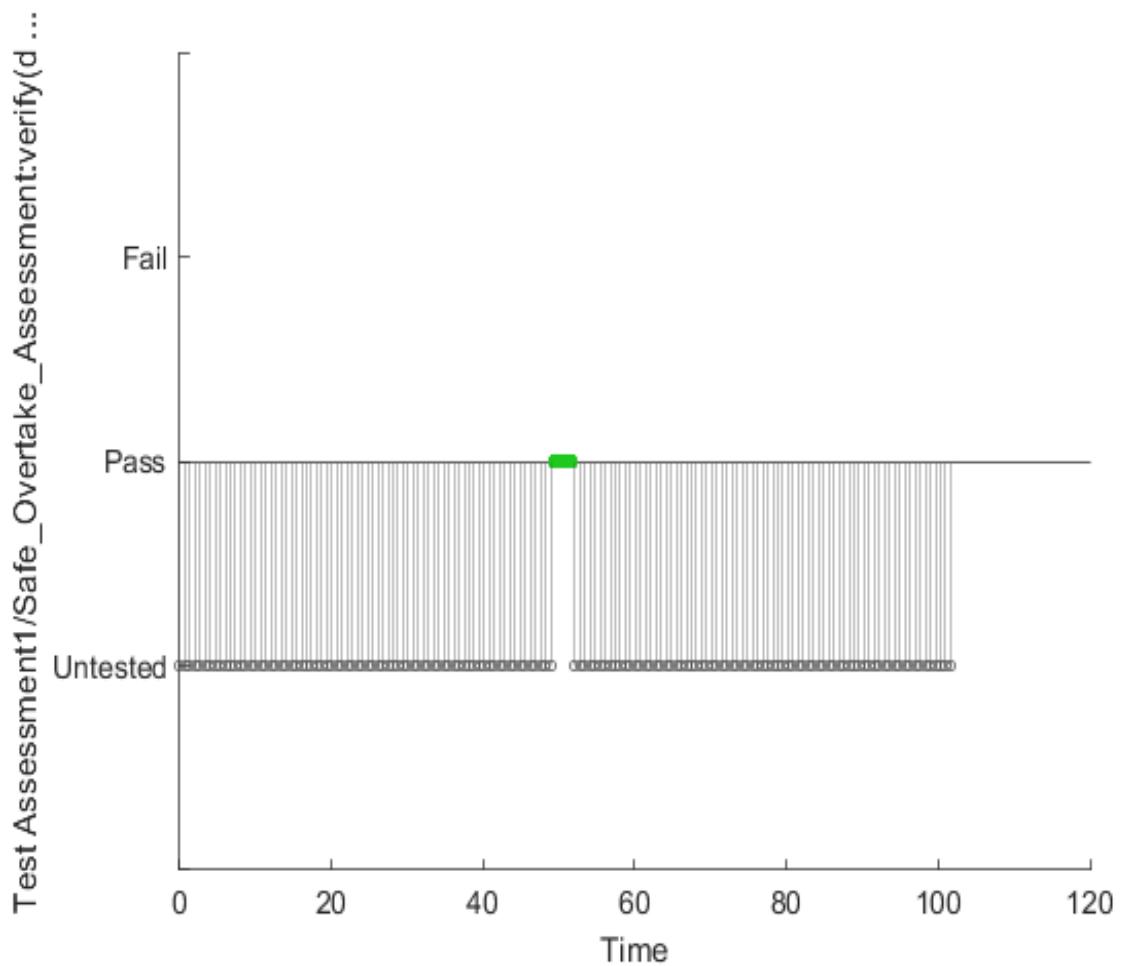
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



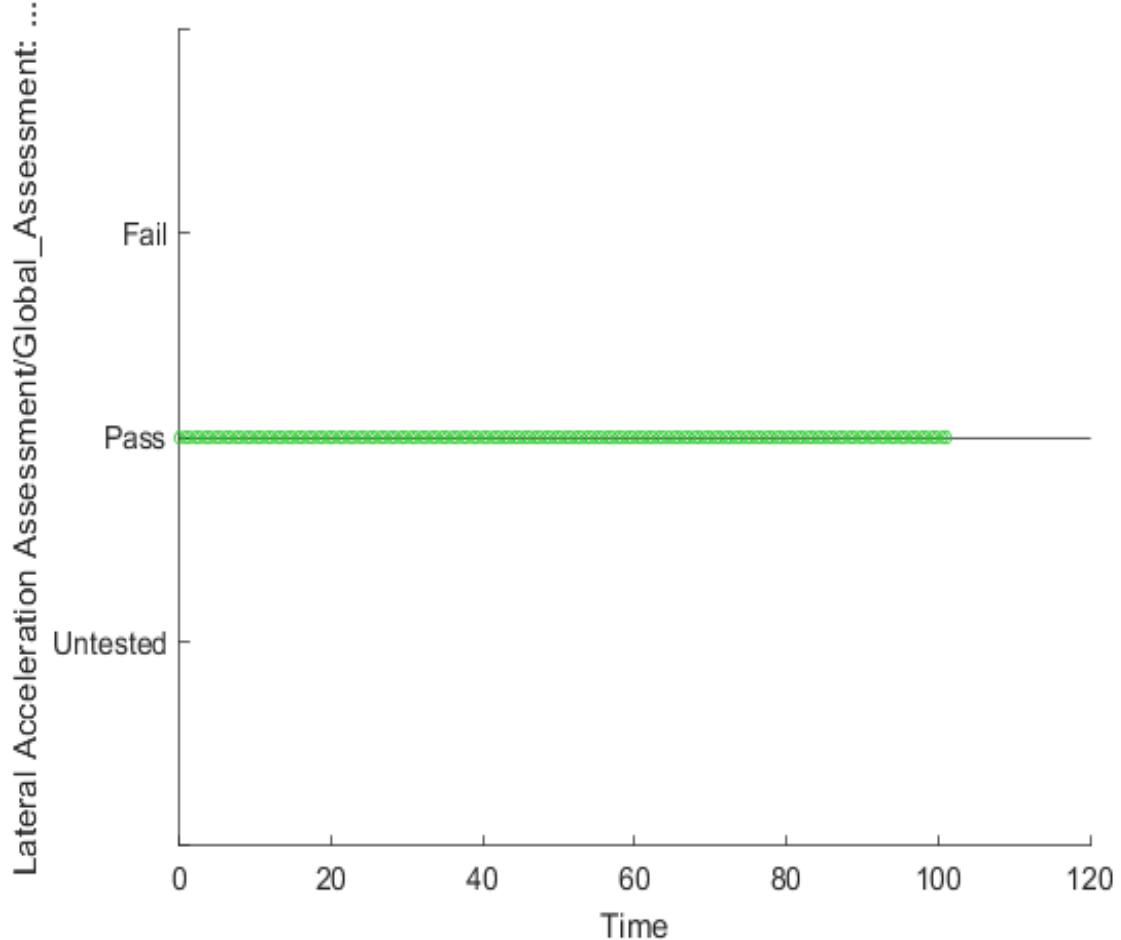
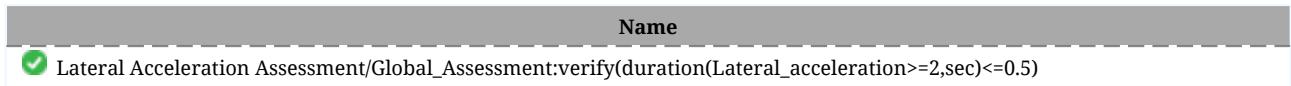
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

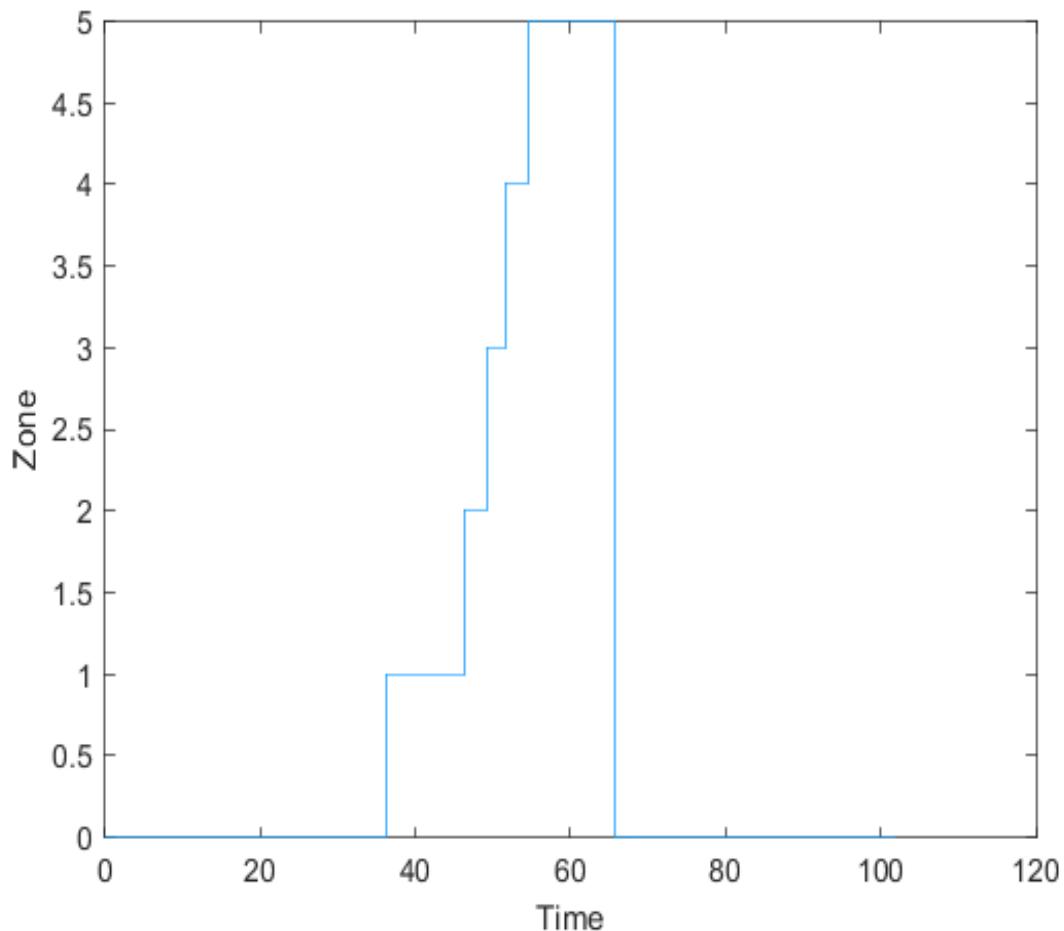
Start Time: 0  
Stop Time: 101.79000000001147  
Checksum: 4036408268 86696304 2813780940 747537718

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

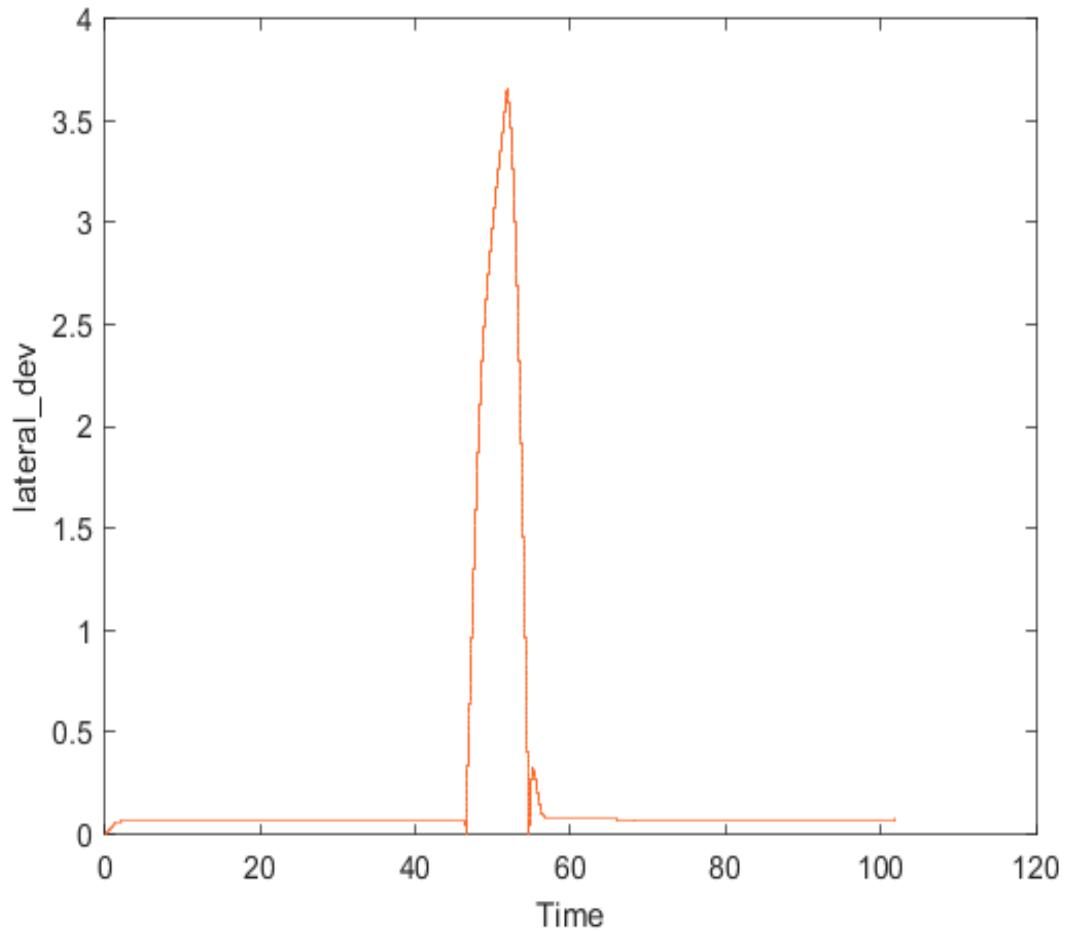
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature counterclockwise 50k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 50km/h](#)  
Start Time: 19-May-2021 18:01:58  
End Time: 19-May-2021 18:02:33  
Outcome: Passed

## Test Case Information

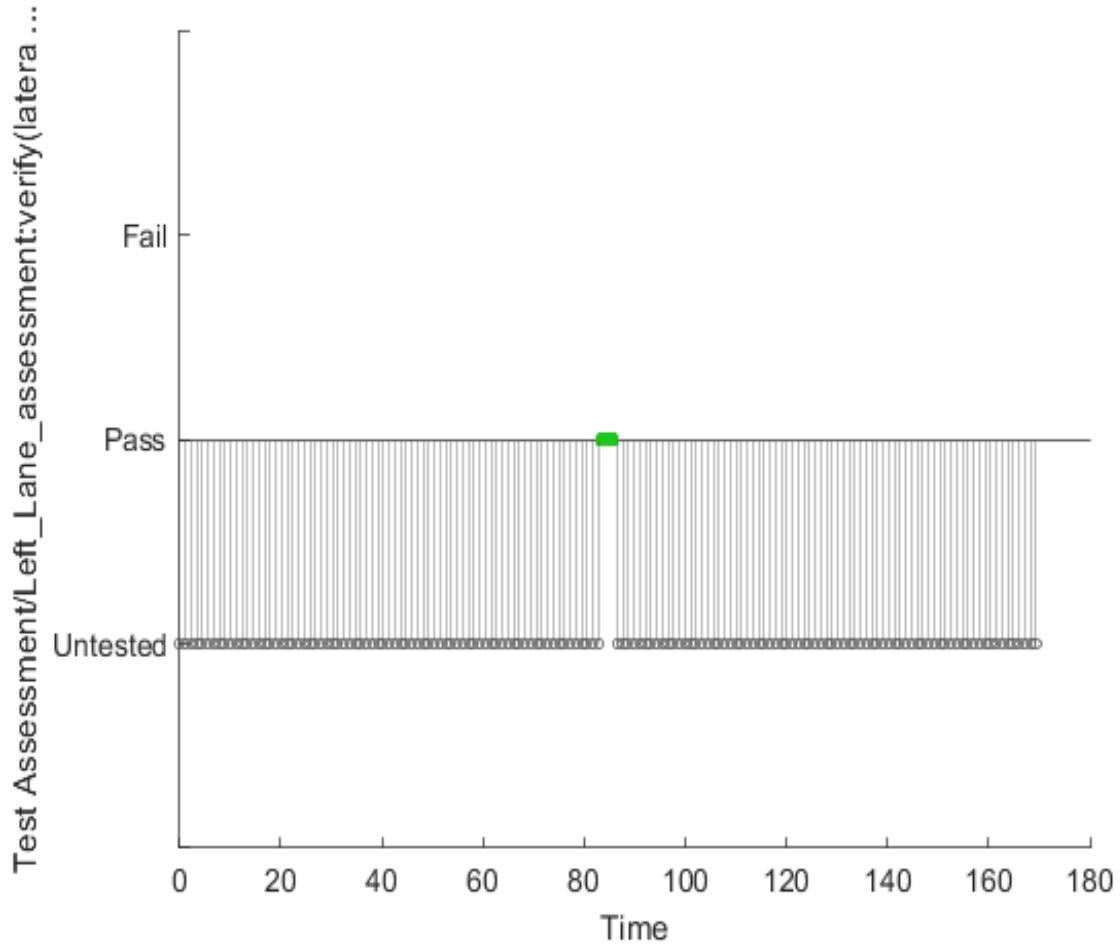
Name: 500m curvature counterclockwise 50km/h  
Type: Simulation Test

## Verify Result

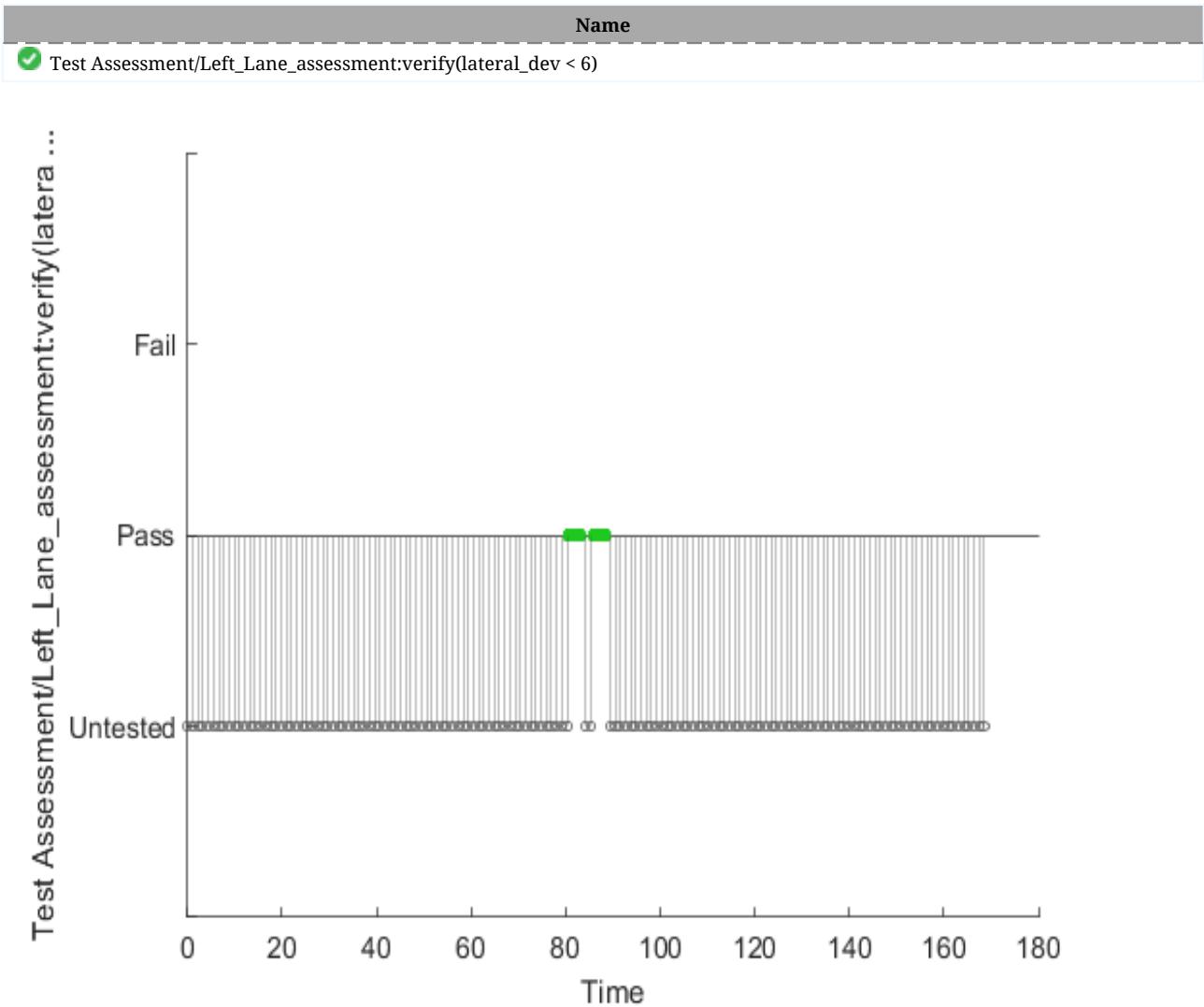
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



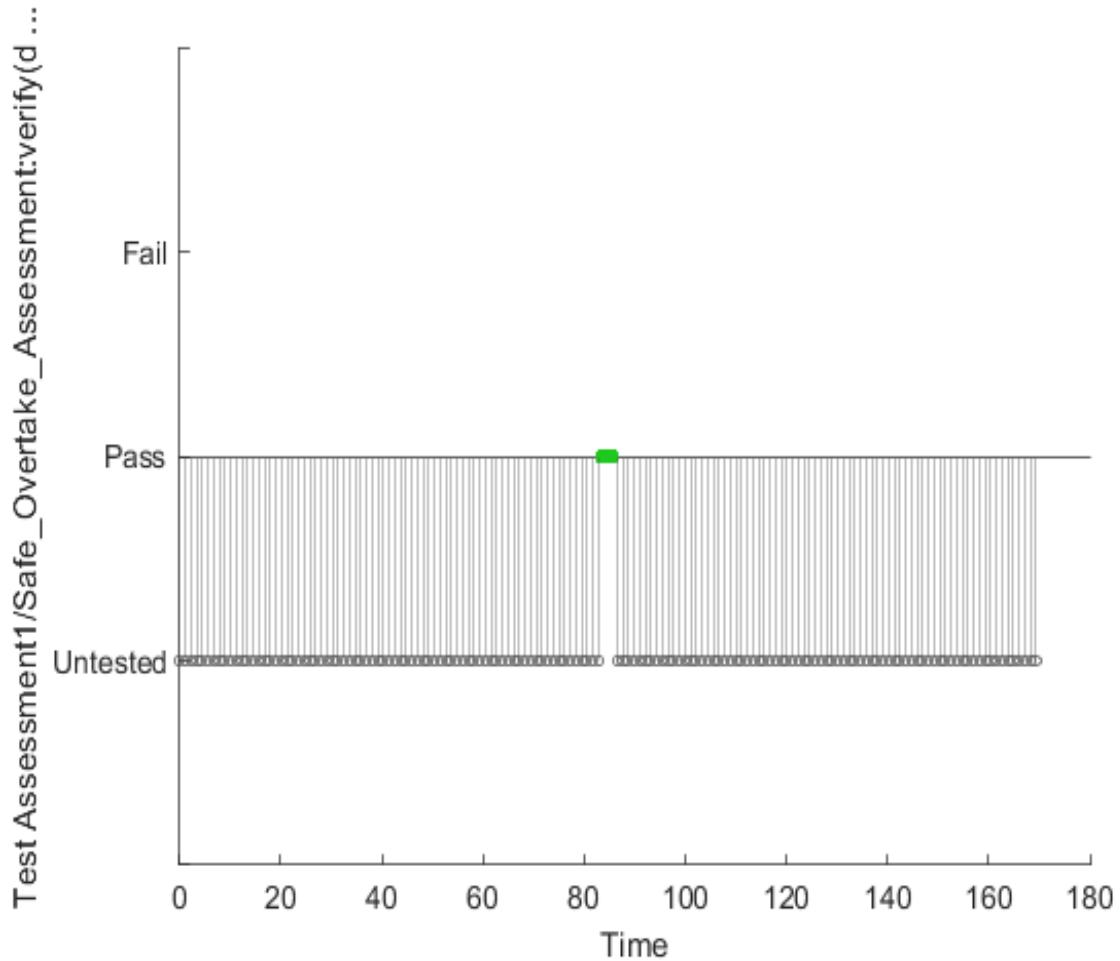
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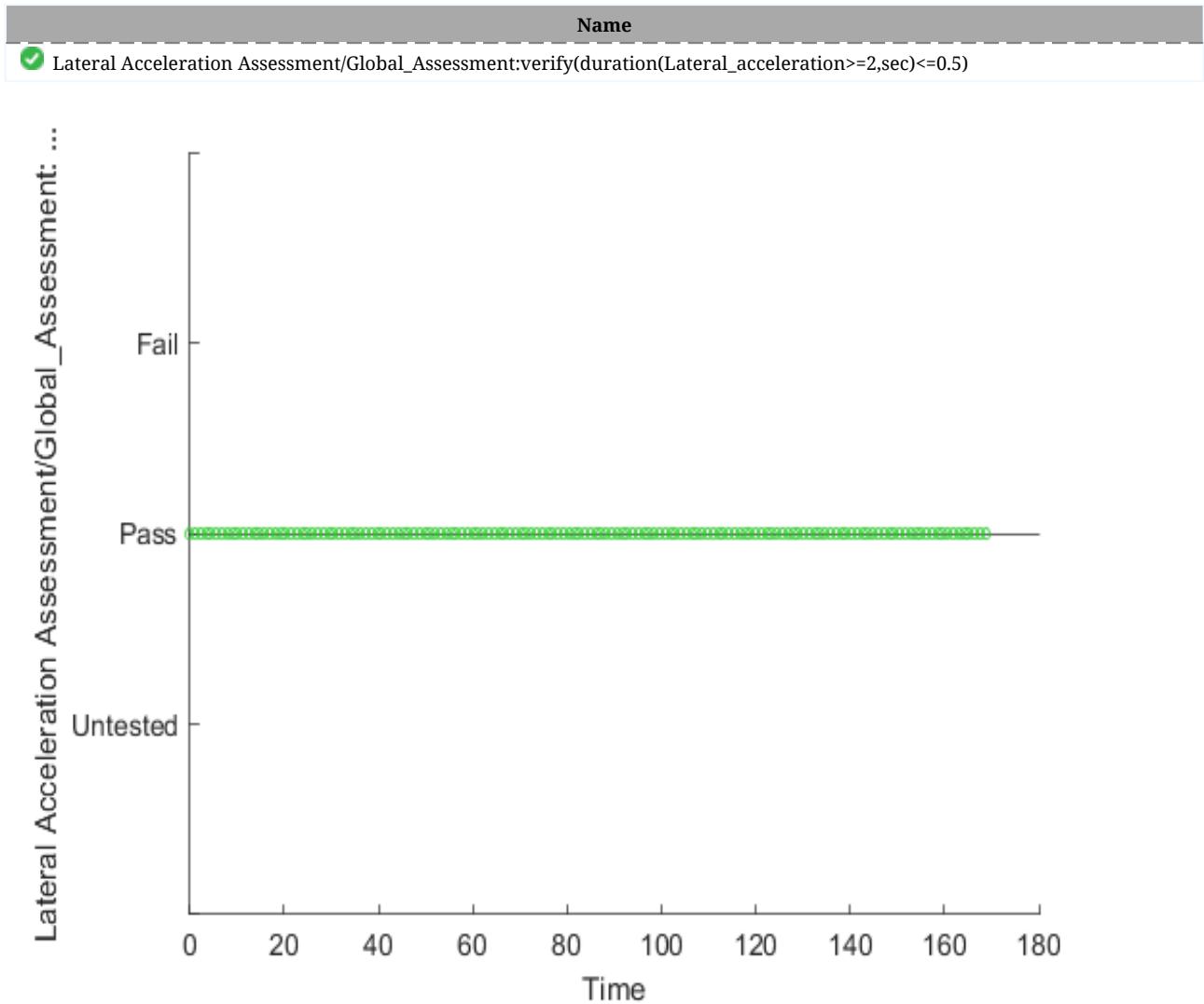
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

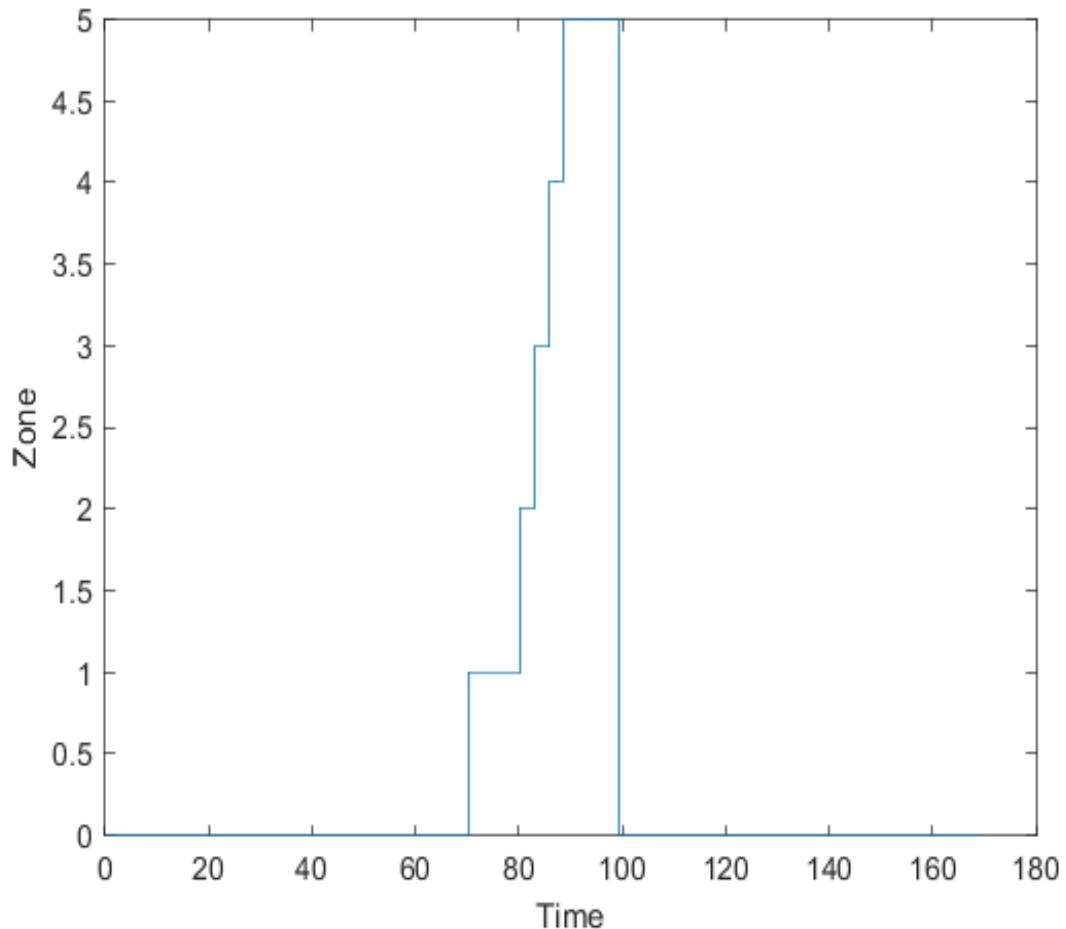
Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 169.650000000000313  
Checksum: 148901719 4283494041 2849782483 8574799

## Simulation Output

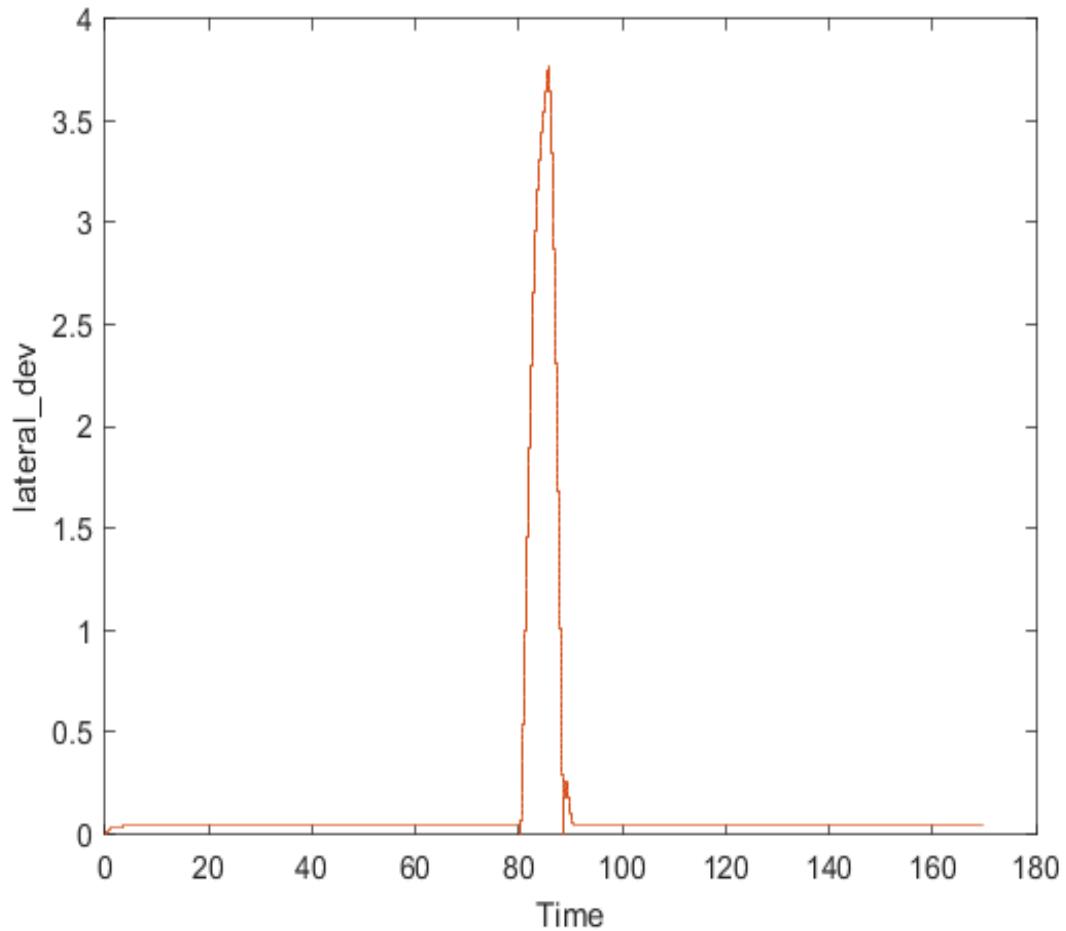
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

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



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



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## 1000m curvature counterclockwise 50k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 50km/h](#)  
Start Time: 19-May-2021 18:02:33  
End Time: 19-May-2021 18:04:12  
Outcome: Passed

## Test Case Information

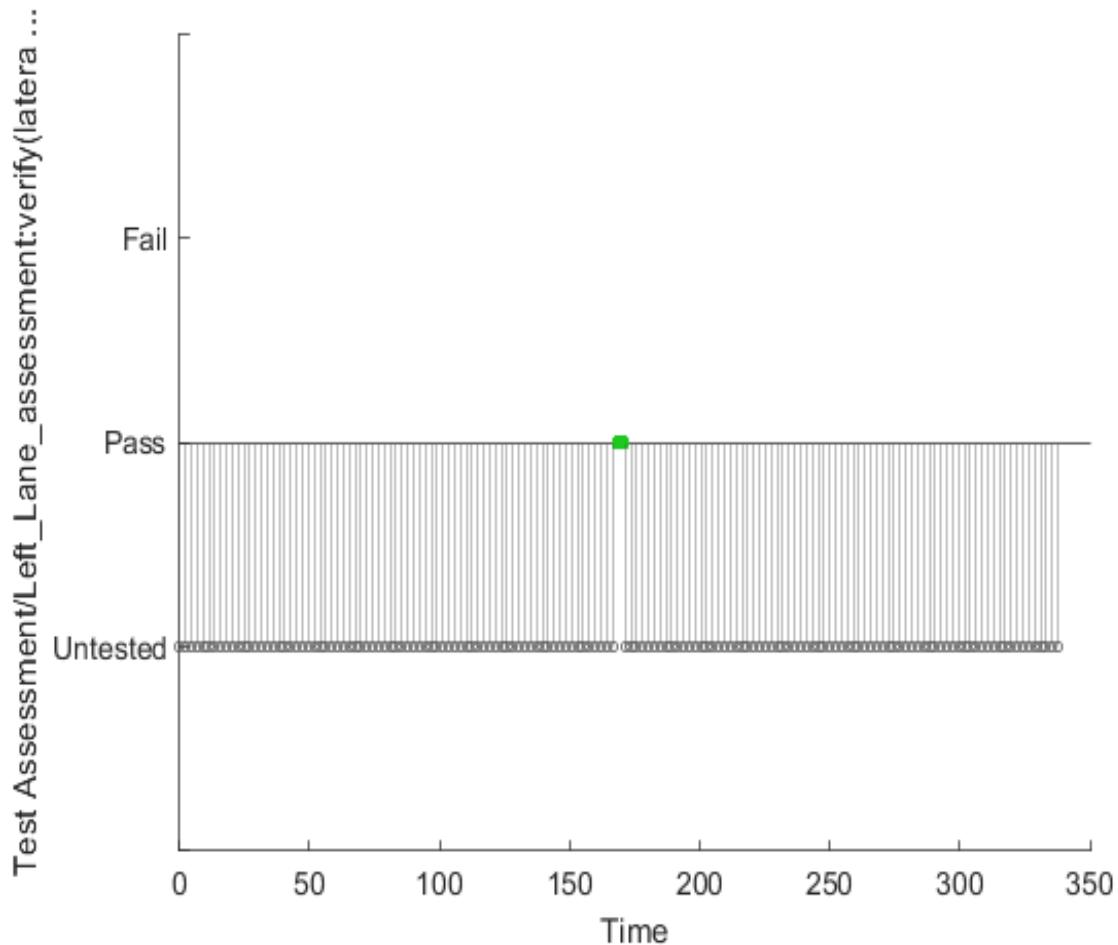
Name: 1000m curvature counterclockwise 50km/h  
Type: Simulation Test

## Verify Result

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

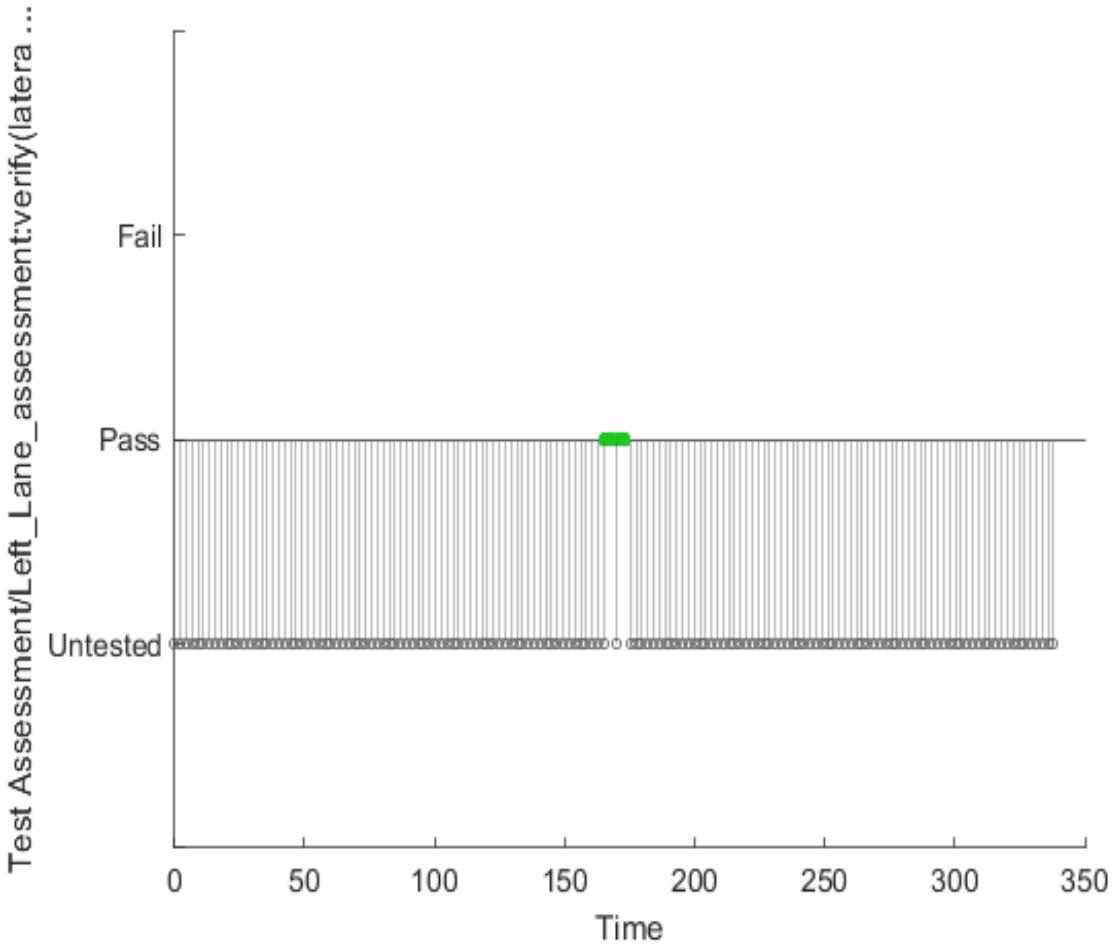
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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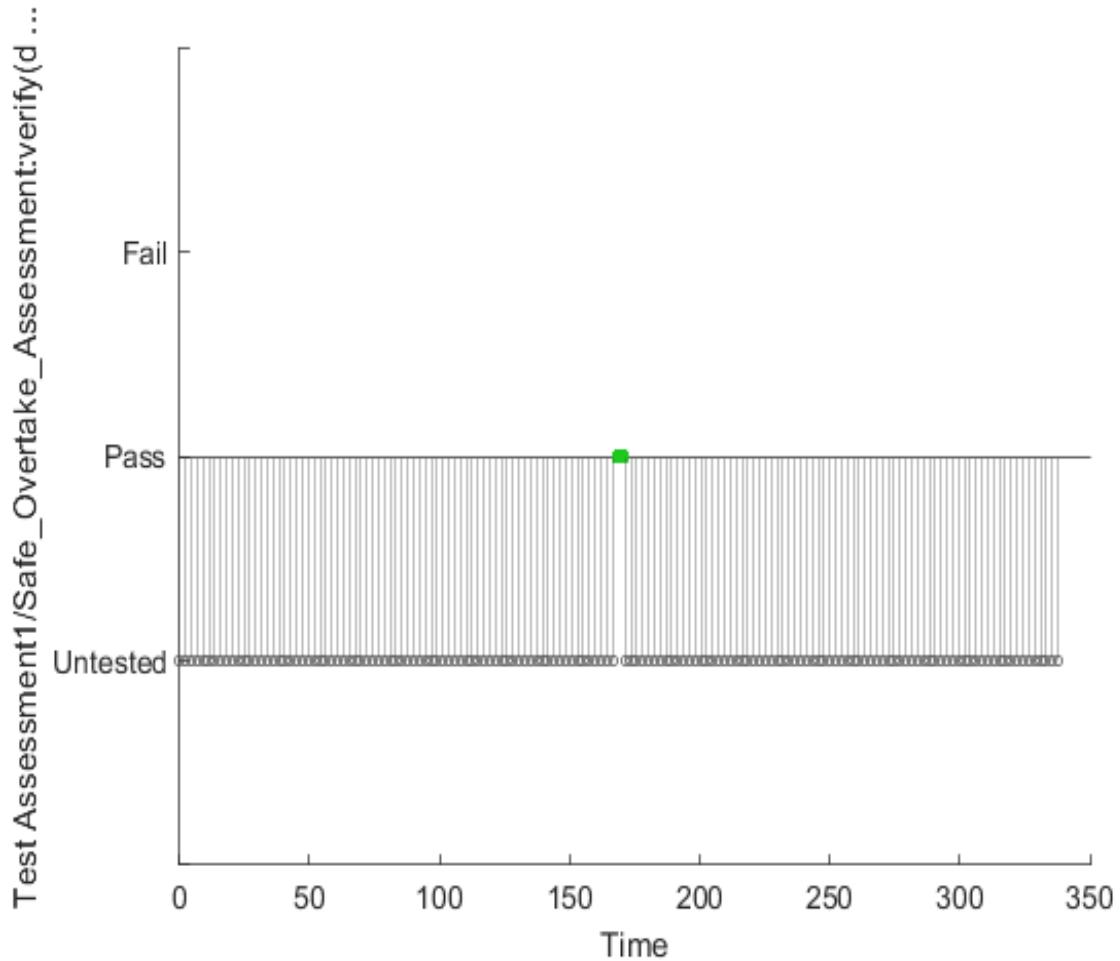
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



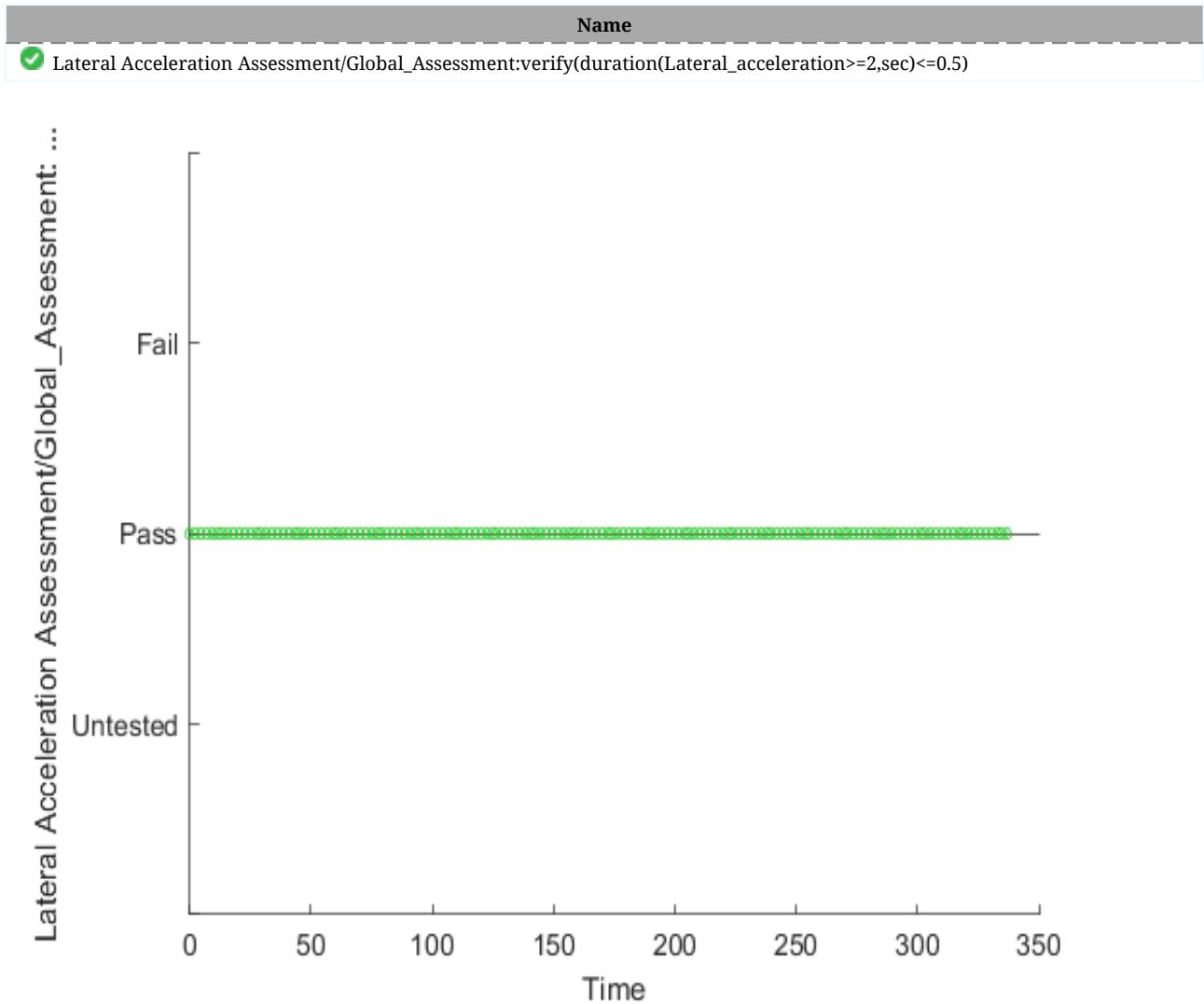
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

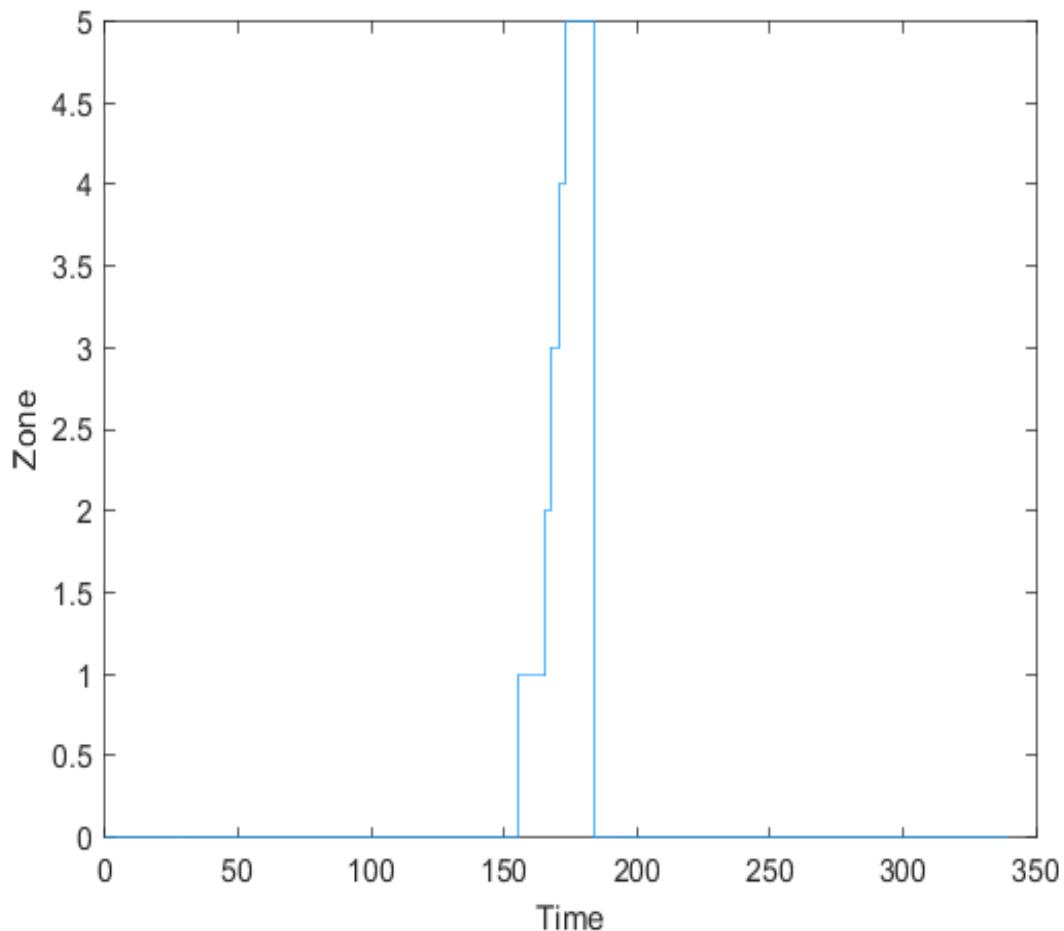
Start Time: 0  
Stop Time: 339.29999999984005  
Checksum: 963801961 2549221000 2284223359 1593093471

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

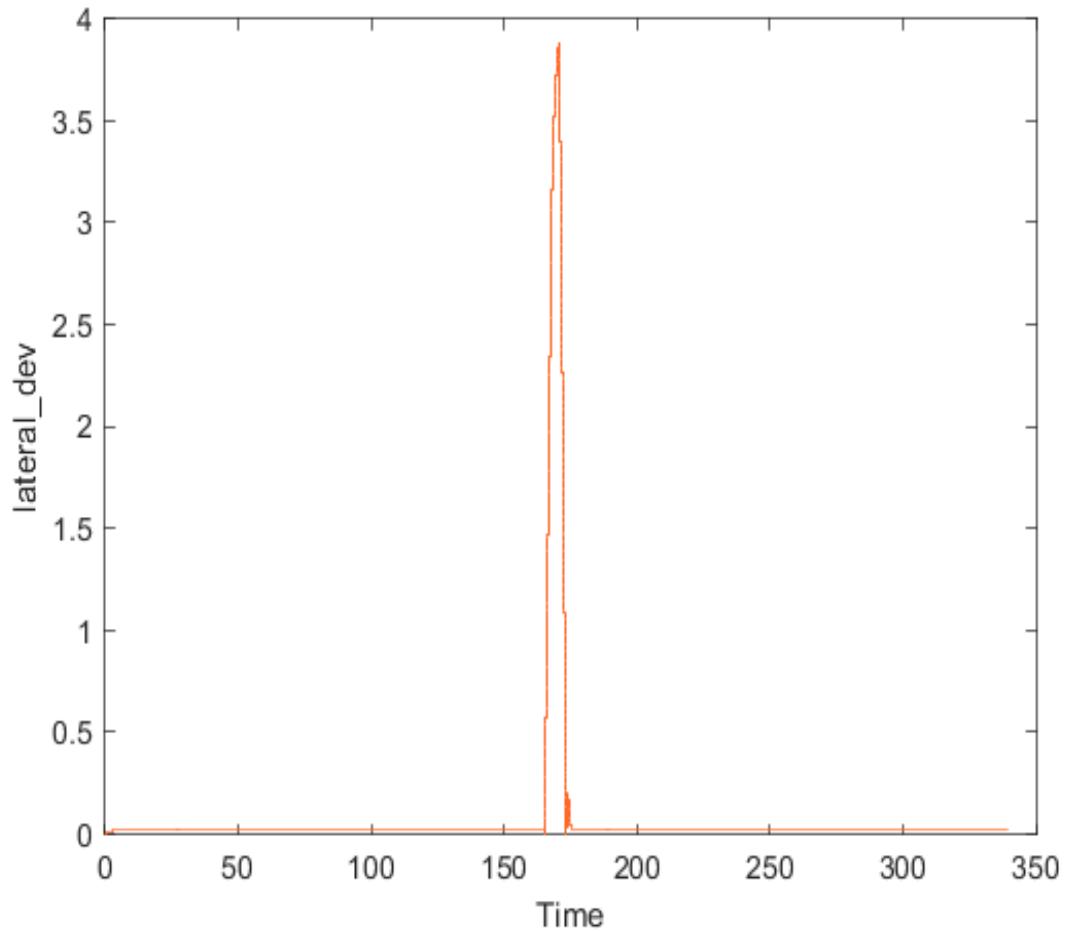
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## Single\_static\_obstacle\_10km/h

### Test Result Information

Result Type: Test Suite Result  
Parent: [Static\\_obstacle\\_avoidance](#)

Start Time: 19-May-2021 18:04:12  
End Time: 19-May-2021 21:37:35  
Outcome: Total: 22, Passed: 6, Failed: 16

## Test Suite Information

Name: Single\_static\_obstacle\_10km/h

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## 0° 10km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_10km/h](#)  
Start Time: 19-May-2021 18:04:12  
End Time: 19-May-2021 18:07:29  
Outcome: Passed

### Test Case Information

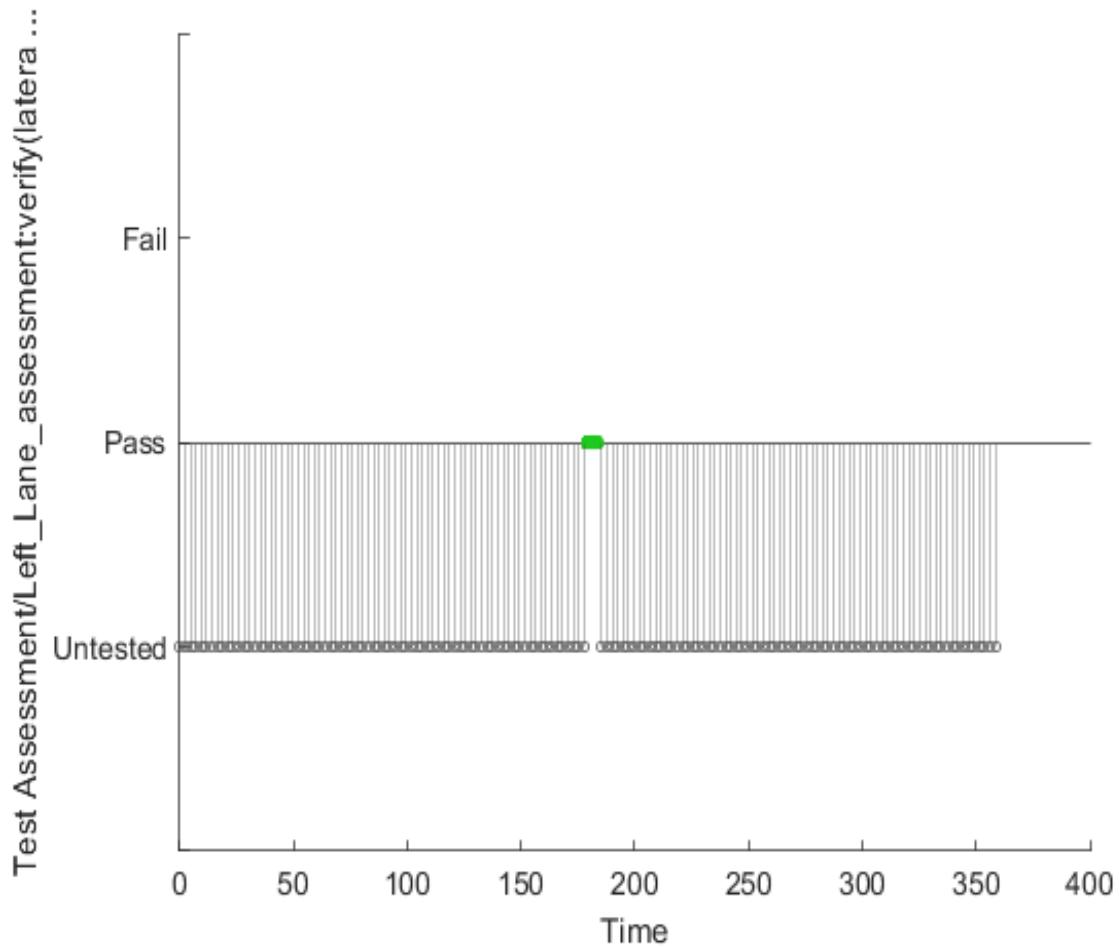
Name: 0° 10km/h  
Type: Simulation Test

### Verify Result

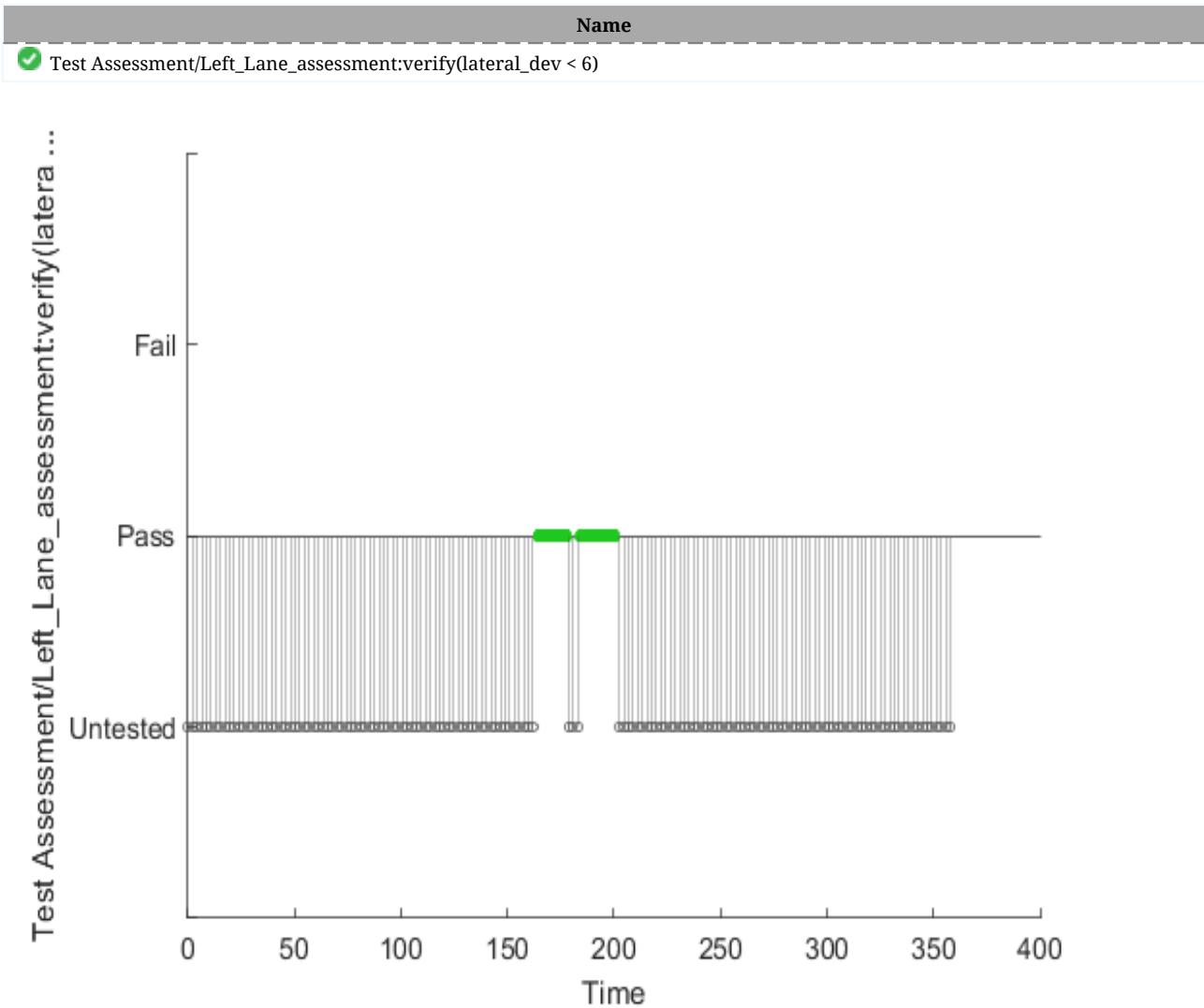
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



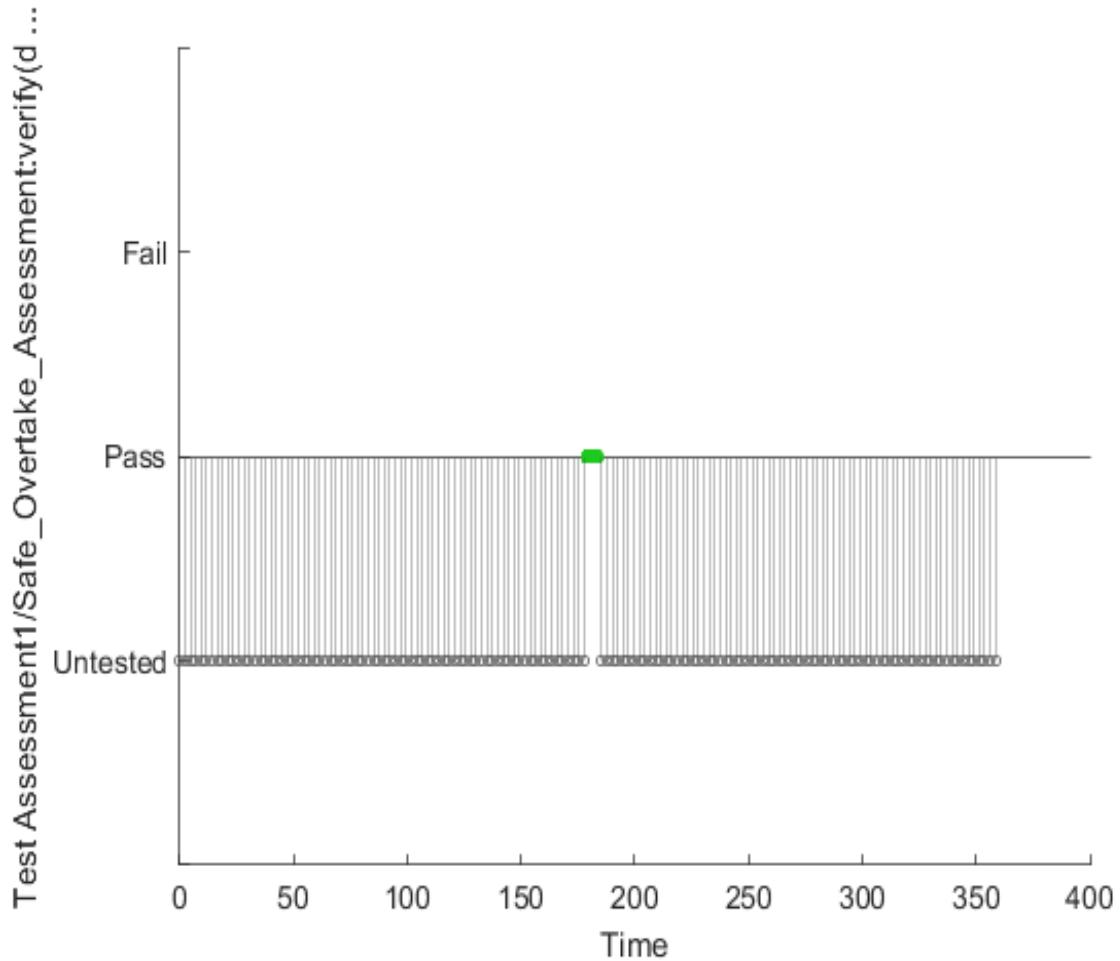
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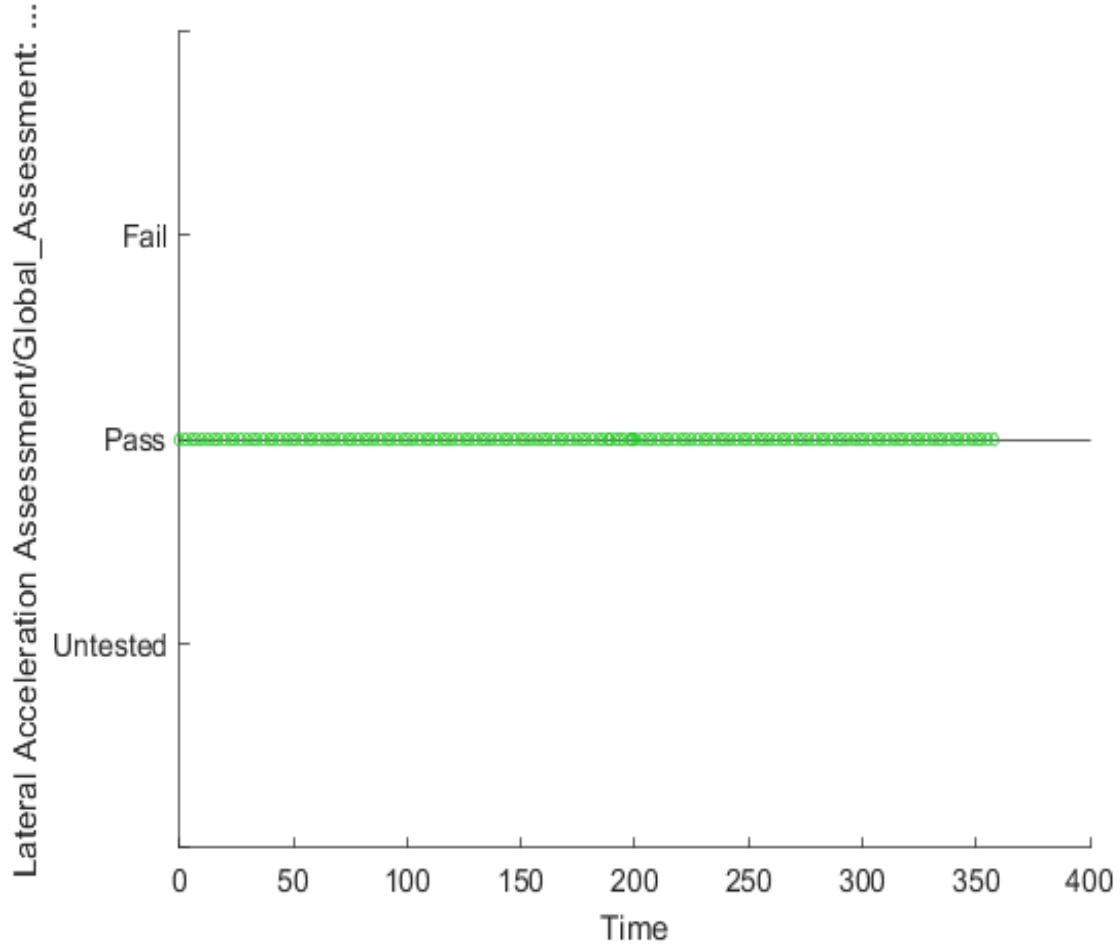
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

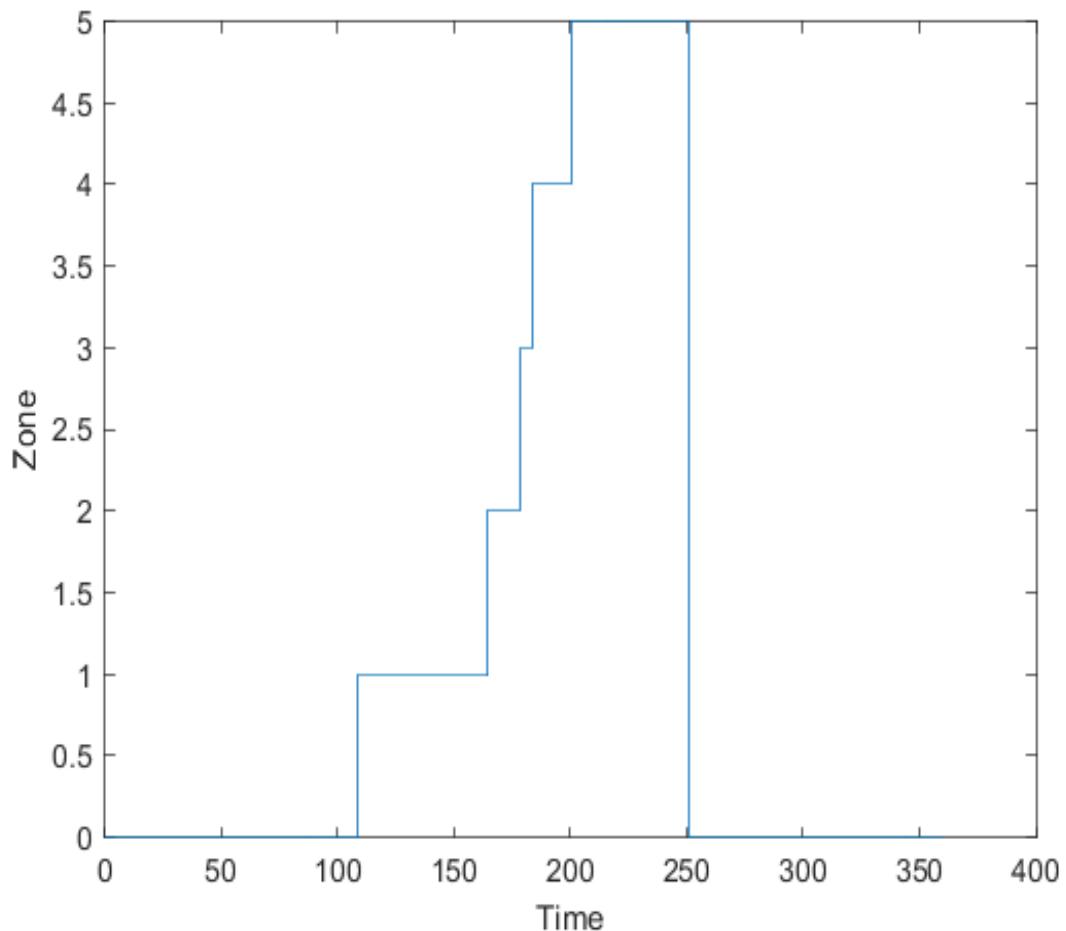
Start Time: 0  
Stop Time: 360  
Checksum: 1279968610 3553656310 3822265545 4181666591

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

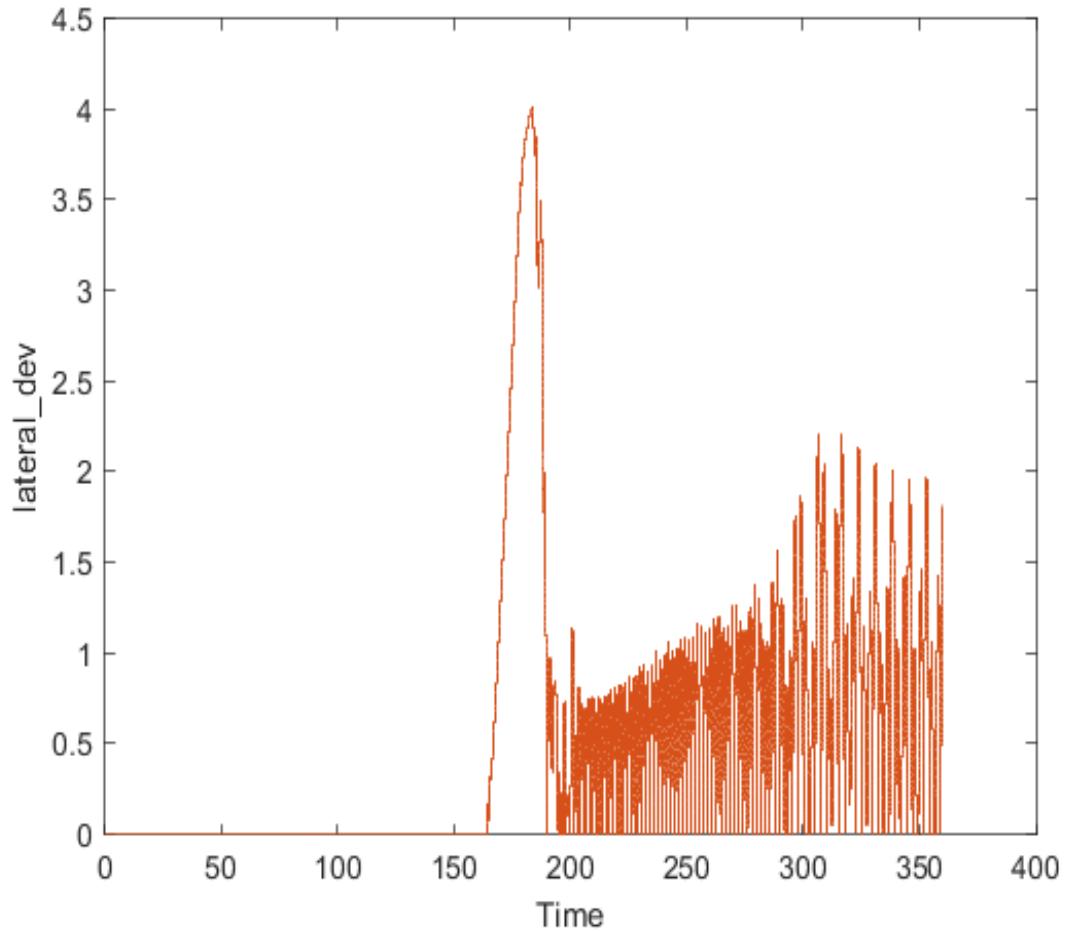
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 20° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:07:29  
End Time: 19-May-2021 18:10:48  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

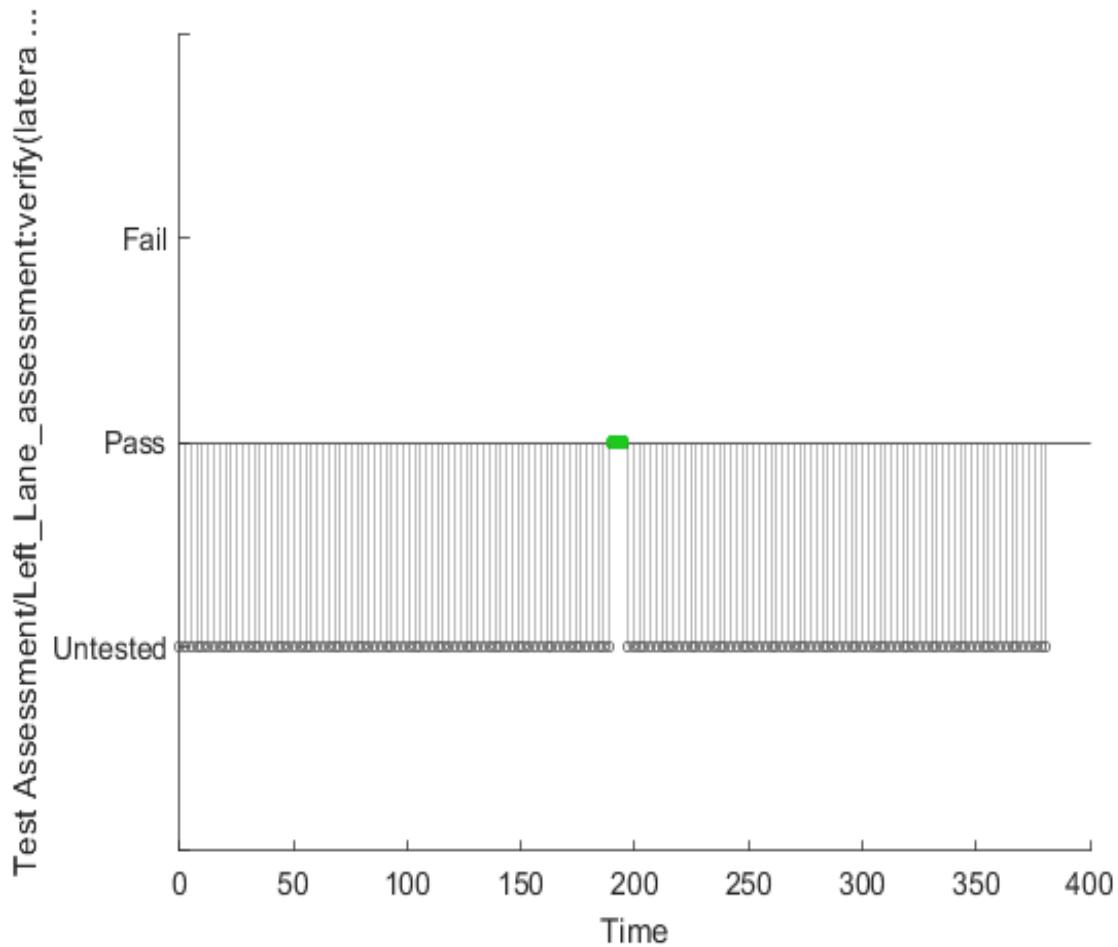
Name: 20° 10km/h  
Type: Simulation Test

## Verify Result

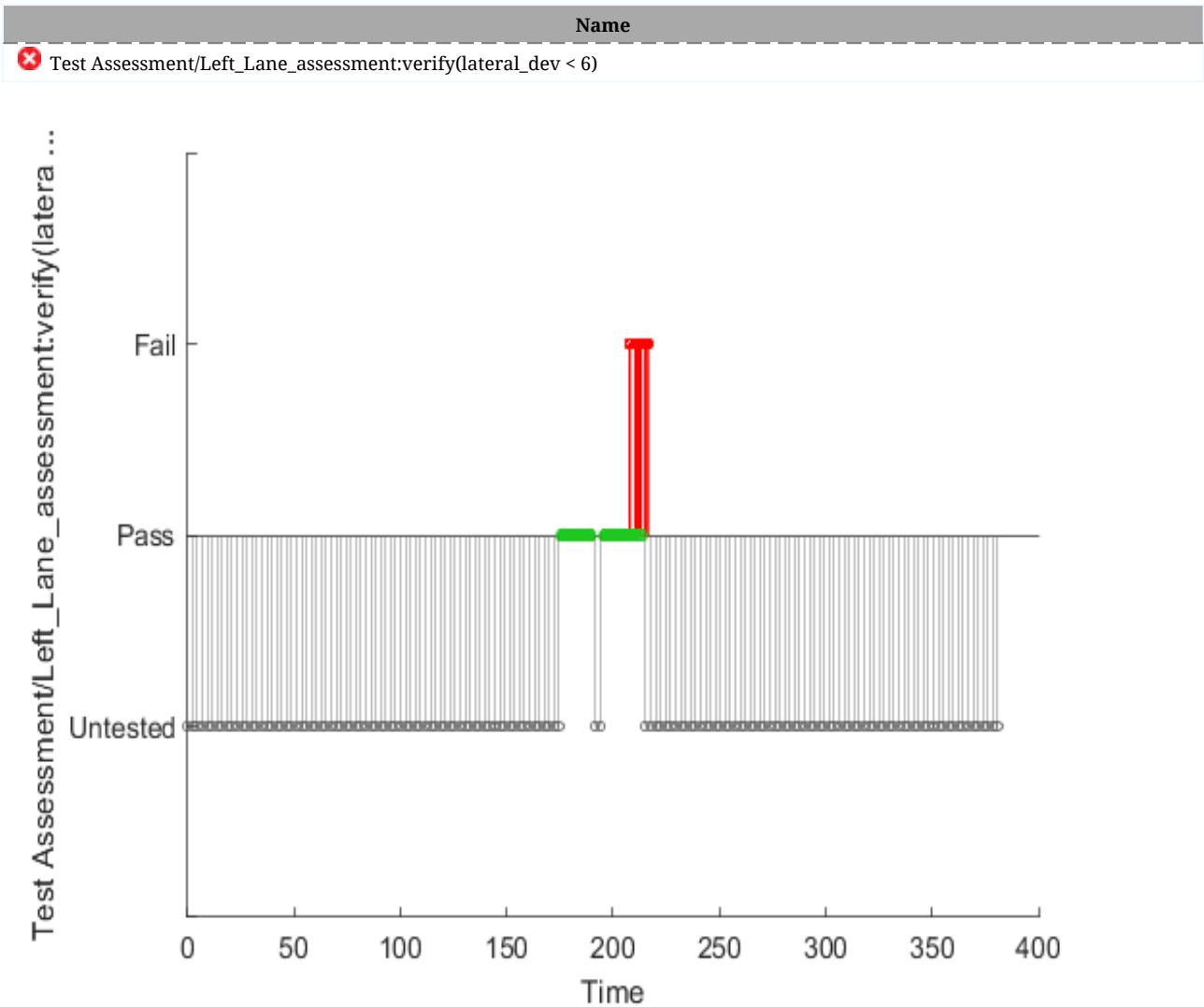
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

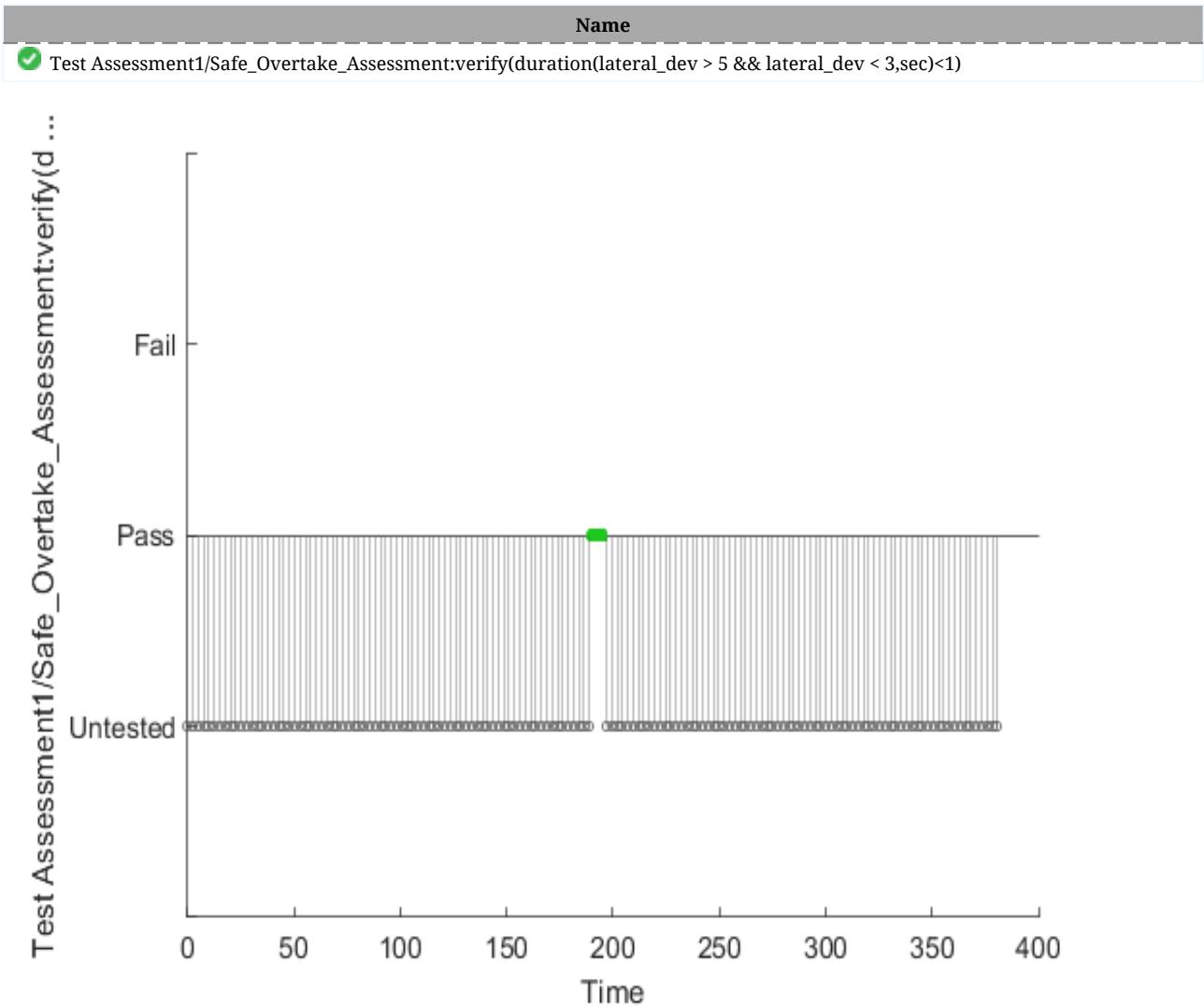
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



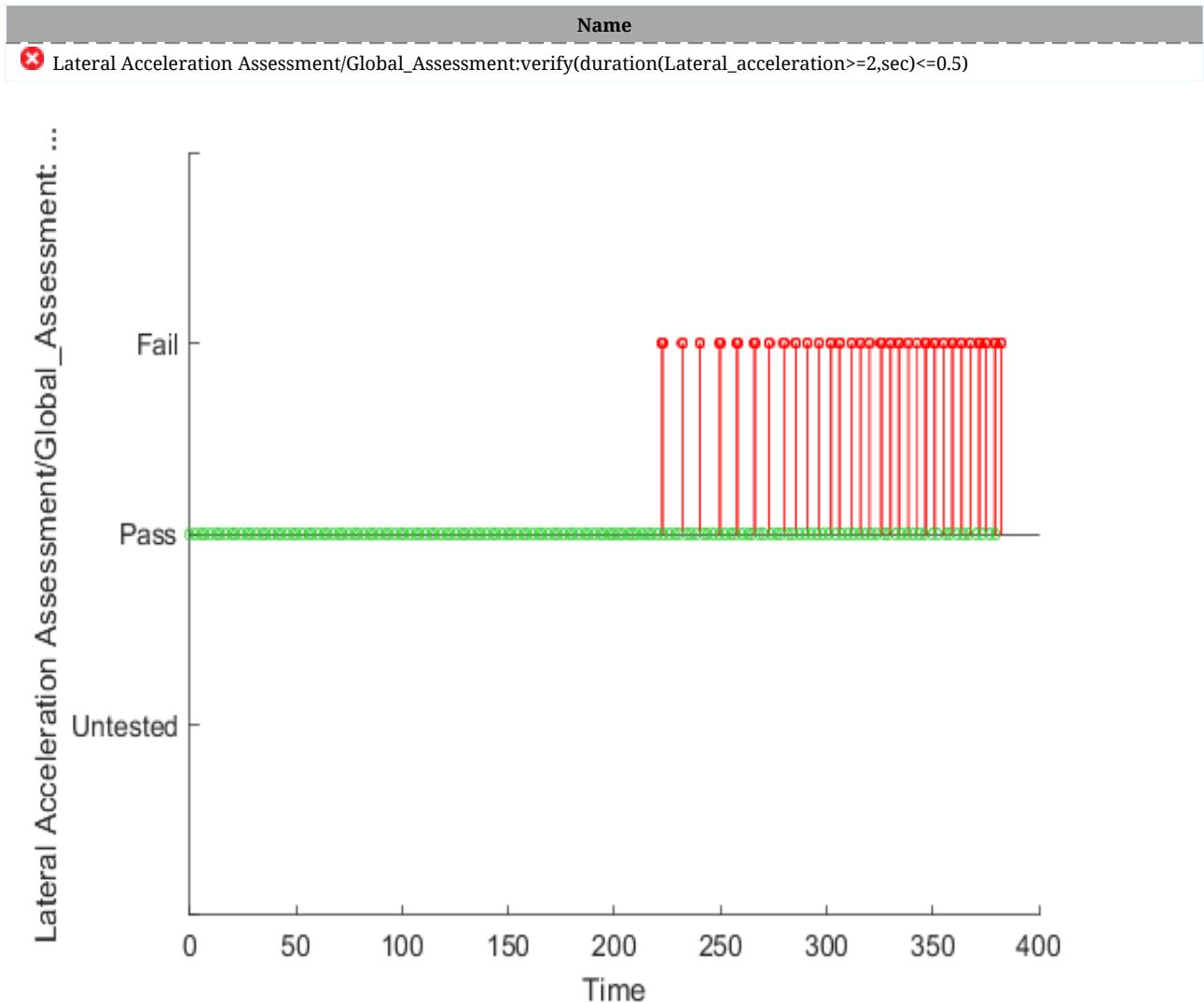
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

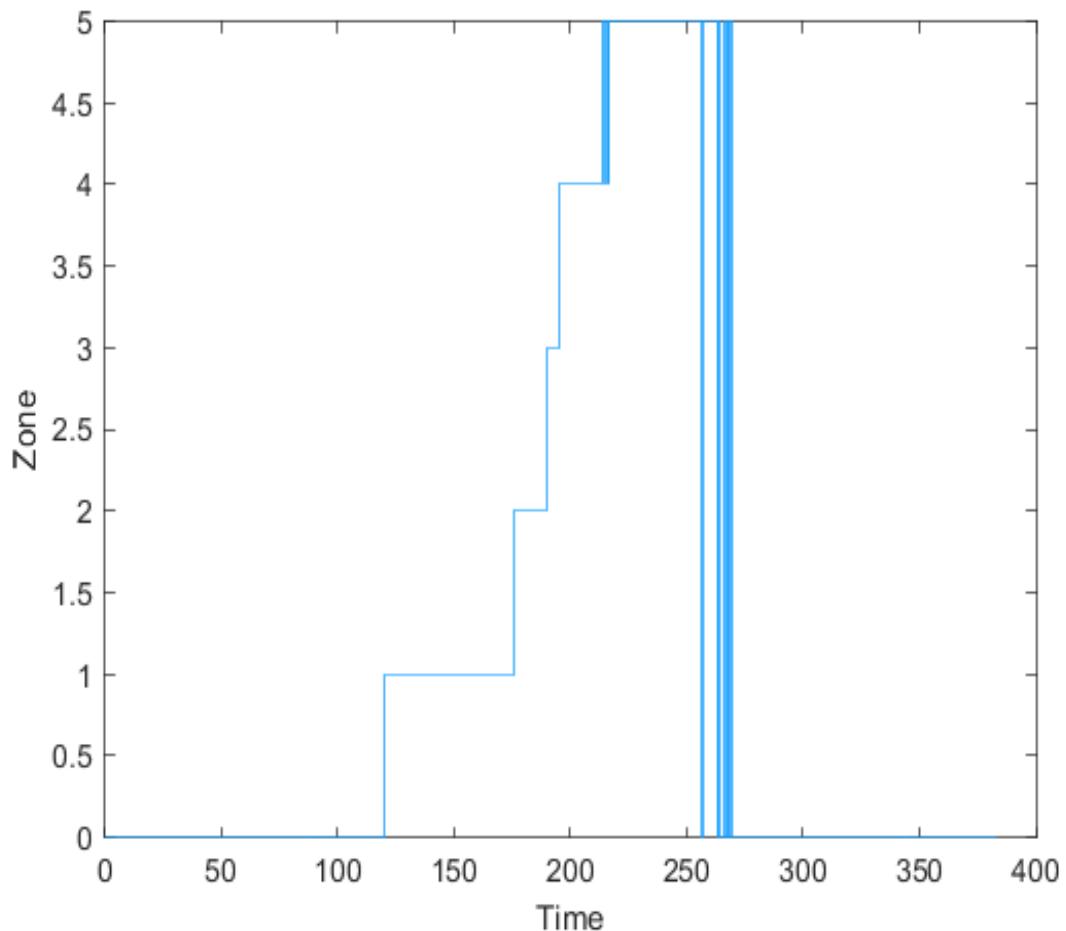
Start Time: 0  
Stop Time: 383.10766319665288  
Checksum: 1682963402 2721441319 4134056361 2702817166

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

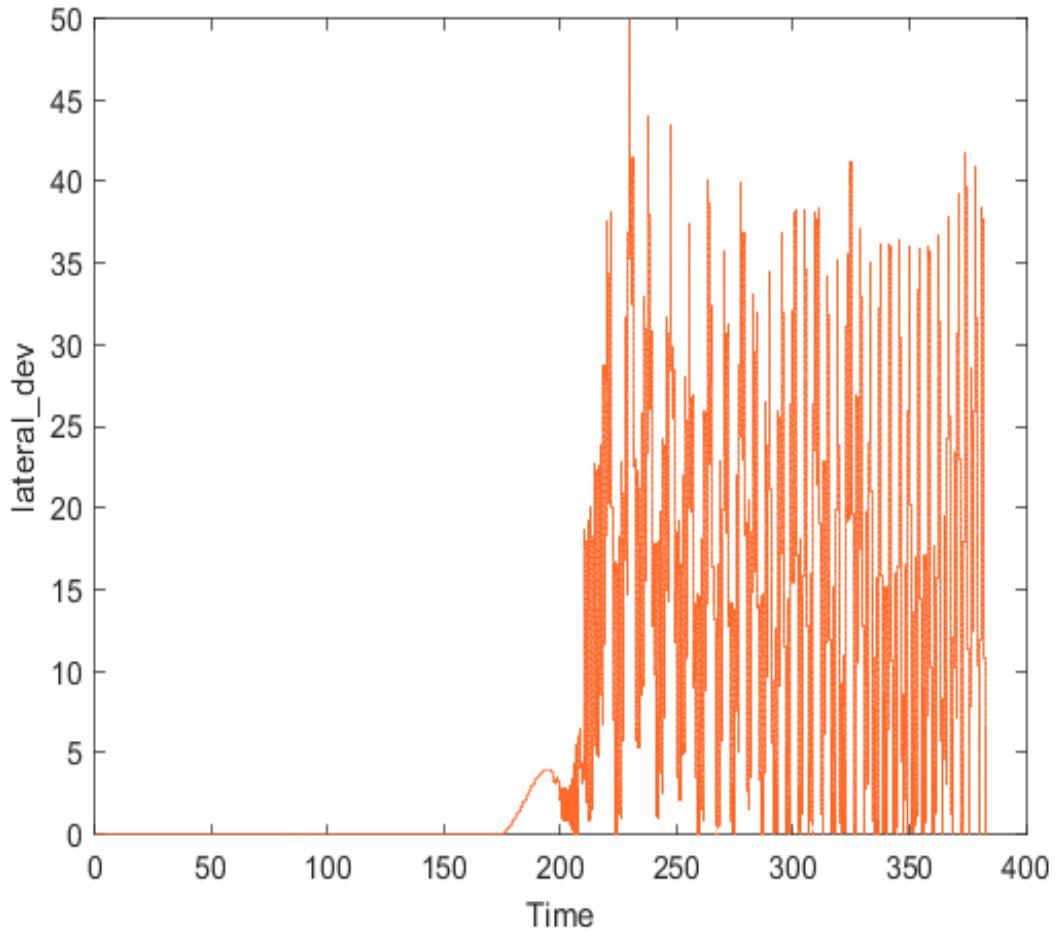
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 45° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:10:48  
End Time: 19-May-2021 18:16:20  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

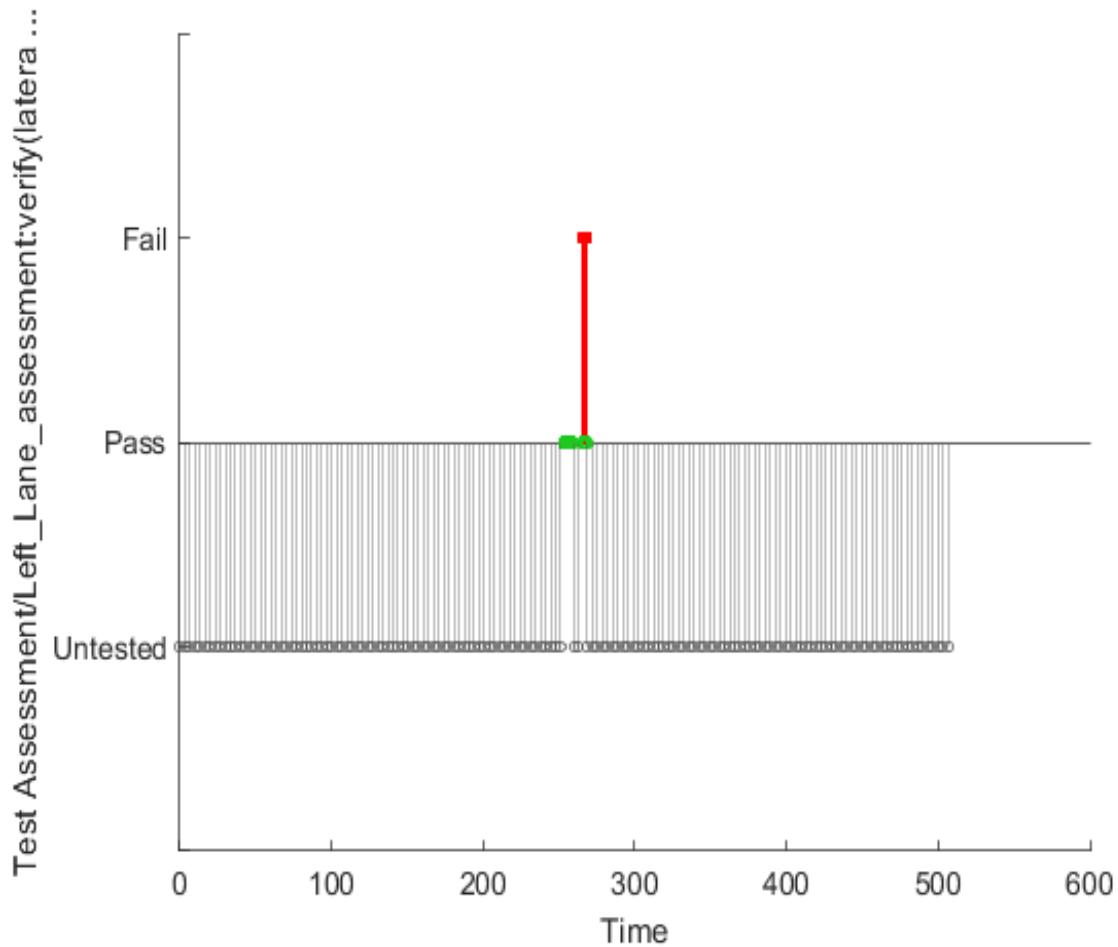
Name: 45° 10km/h  
Type: Simulation Test

## Verify Result

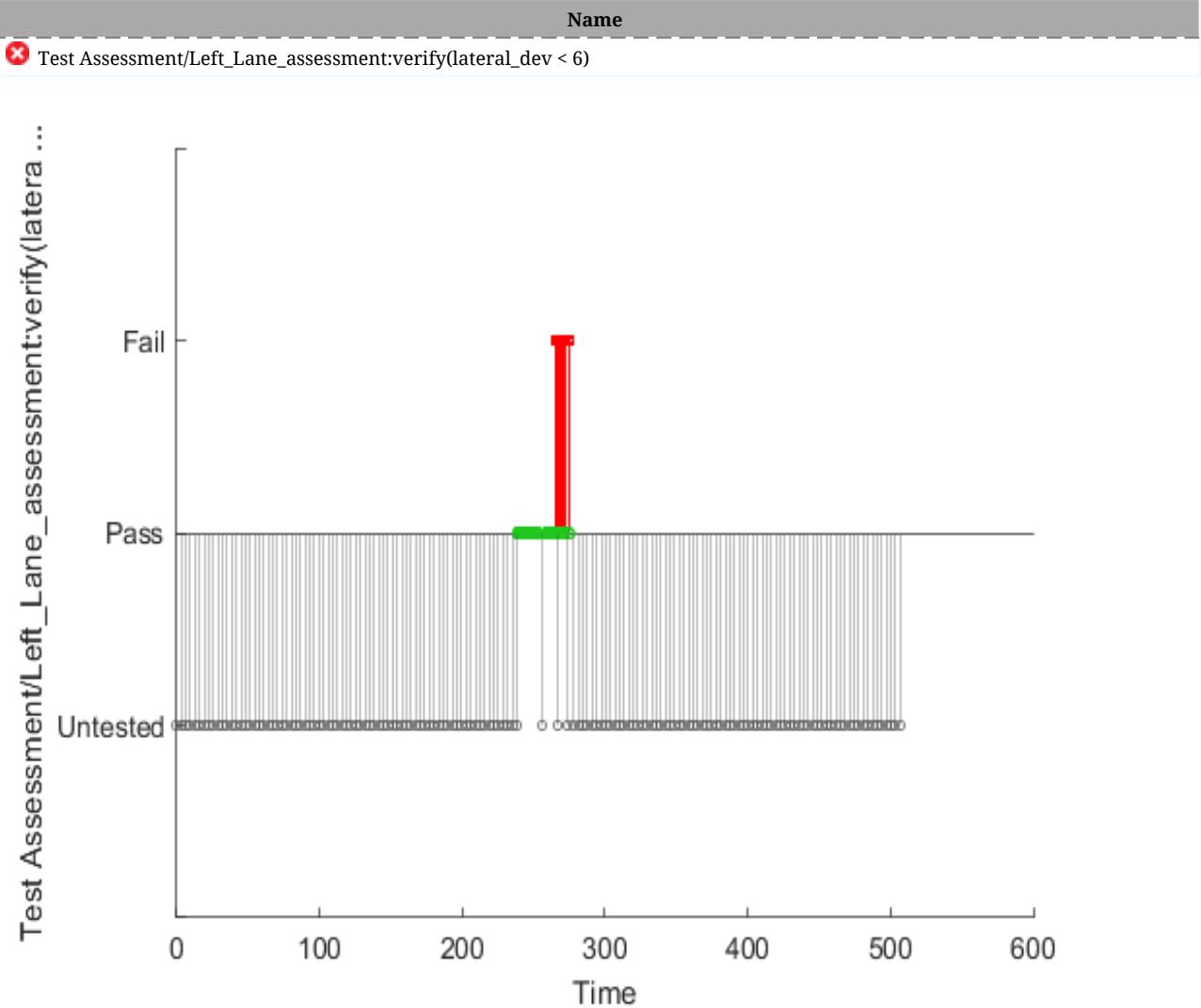
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



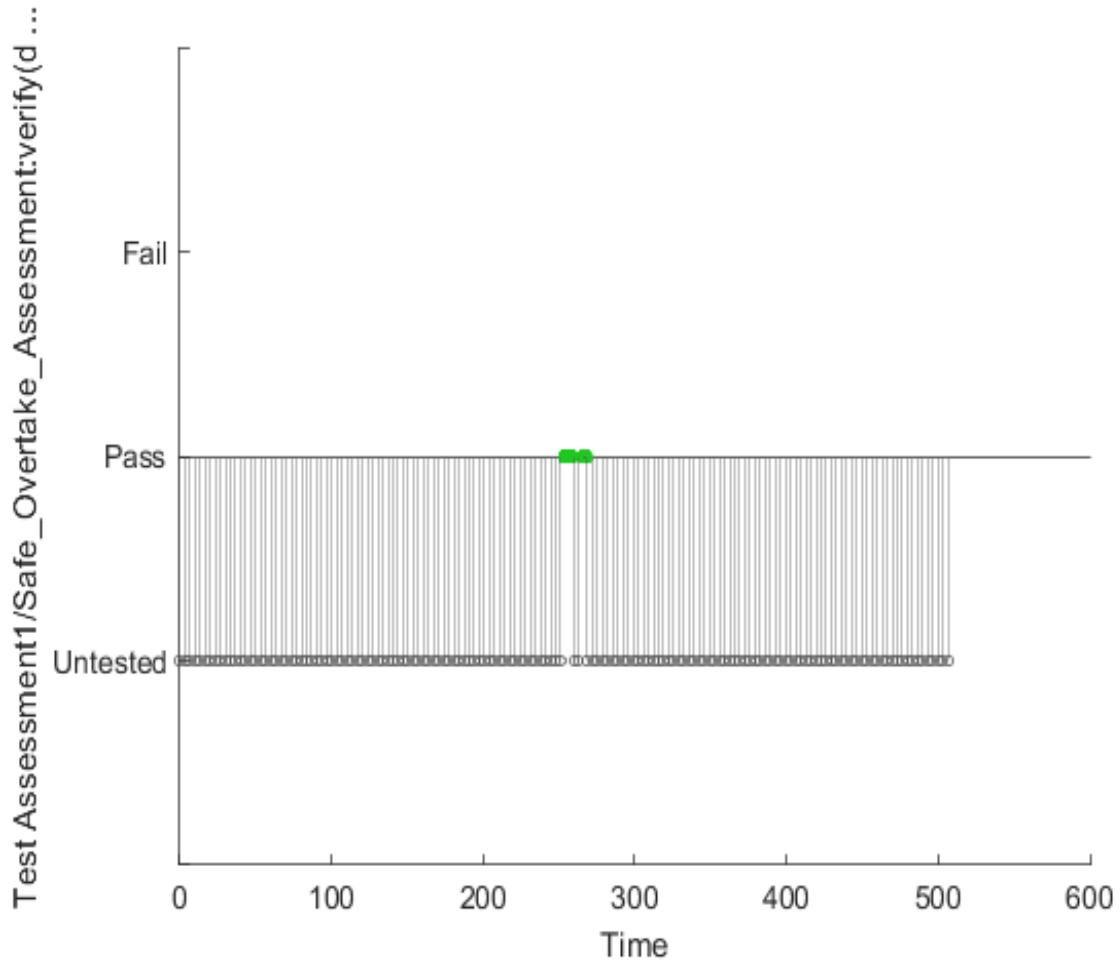
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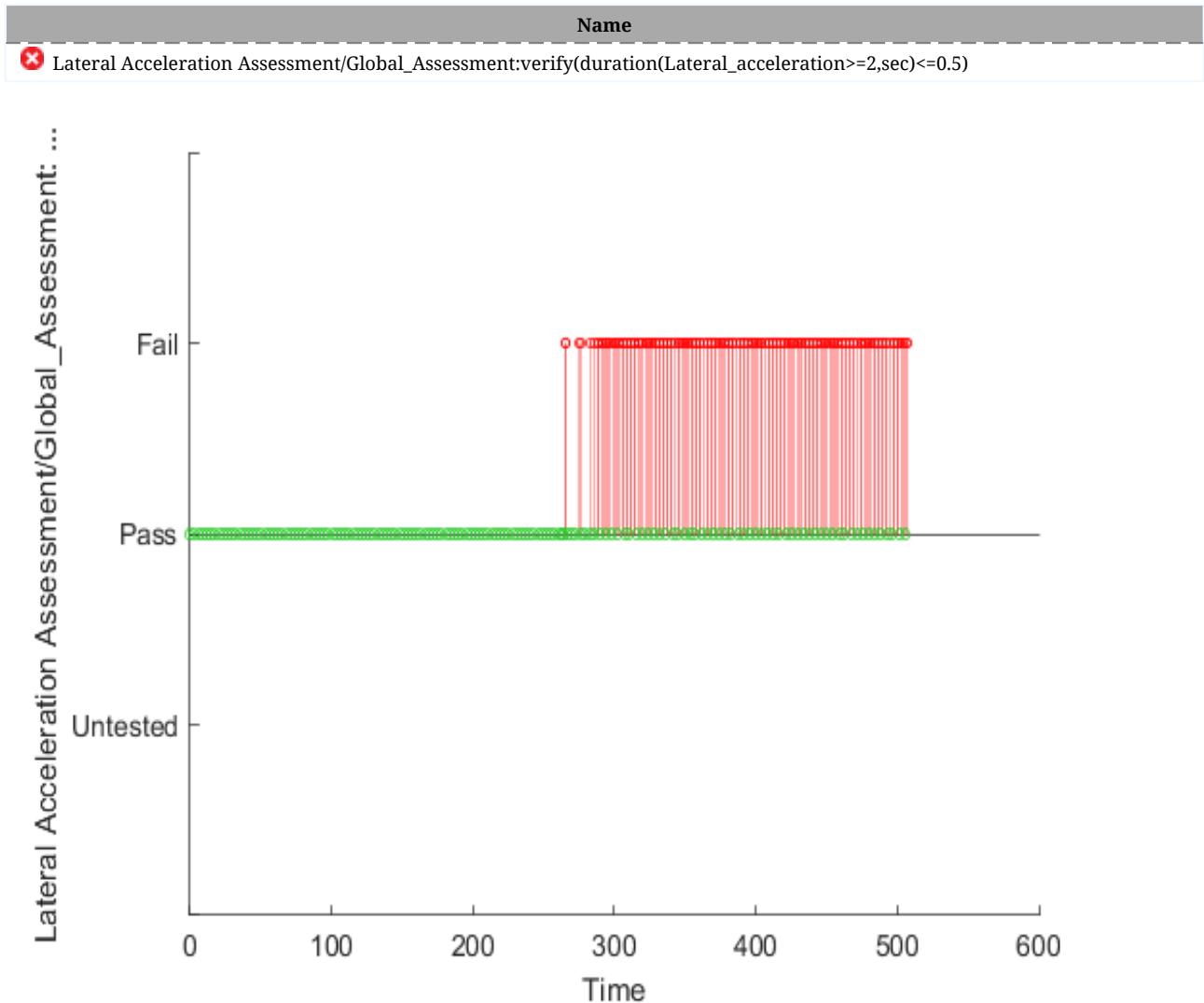
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

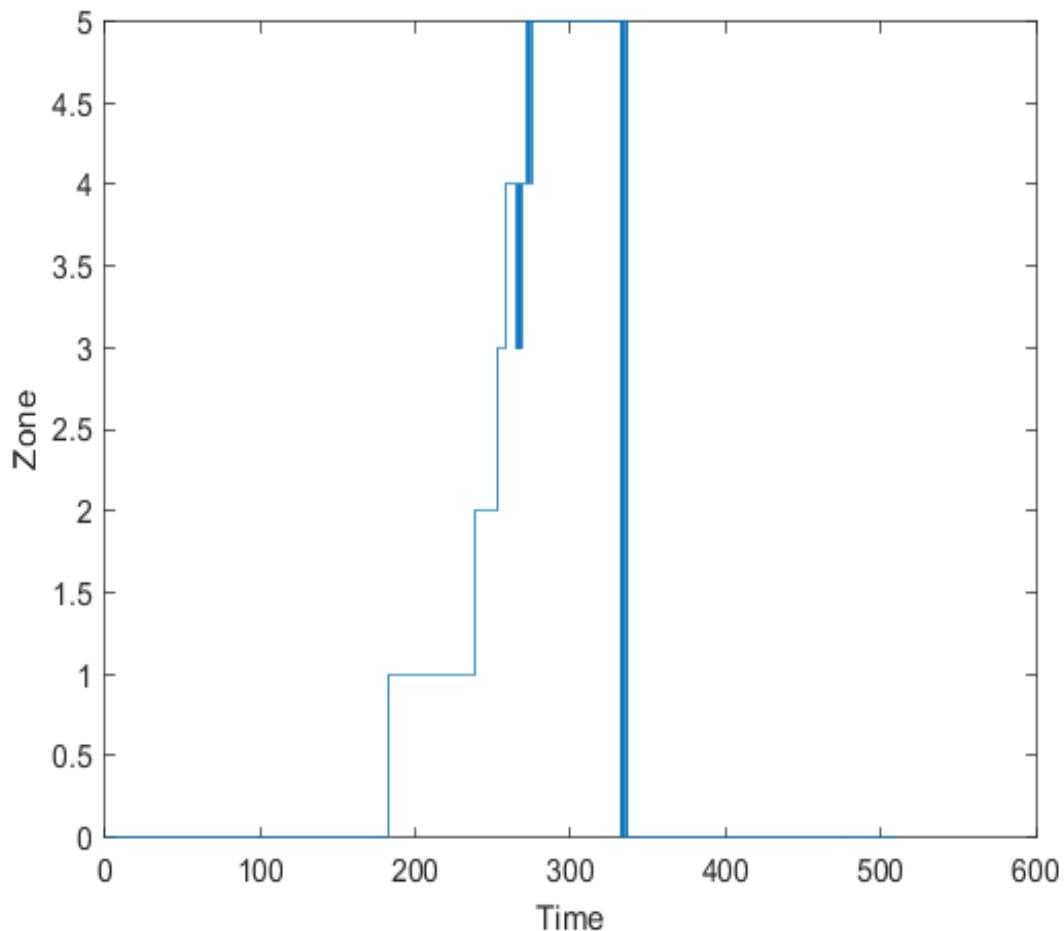
Start Time: 0  
Stop Time: 509.11688245431424  
Checksum: 1270937627 536974784 78647280 2615227783

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

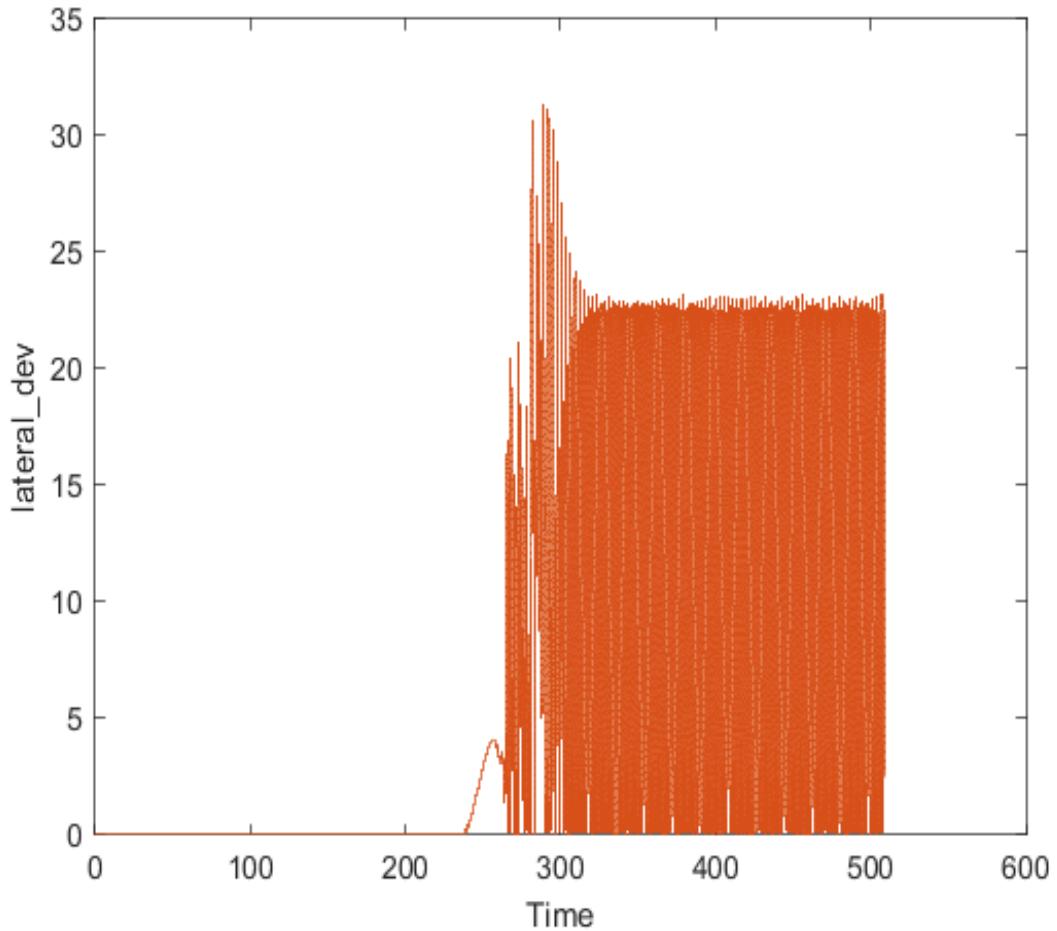
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 70° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:16:20  
End Time: 19-May-2021 18:33:33  
Outcome: Passed

## Test Case Information

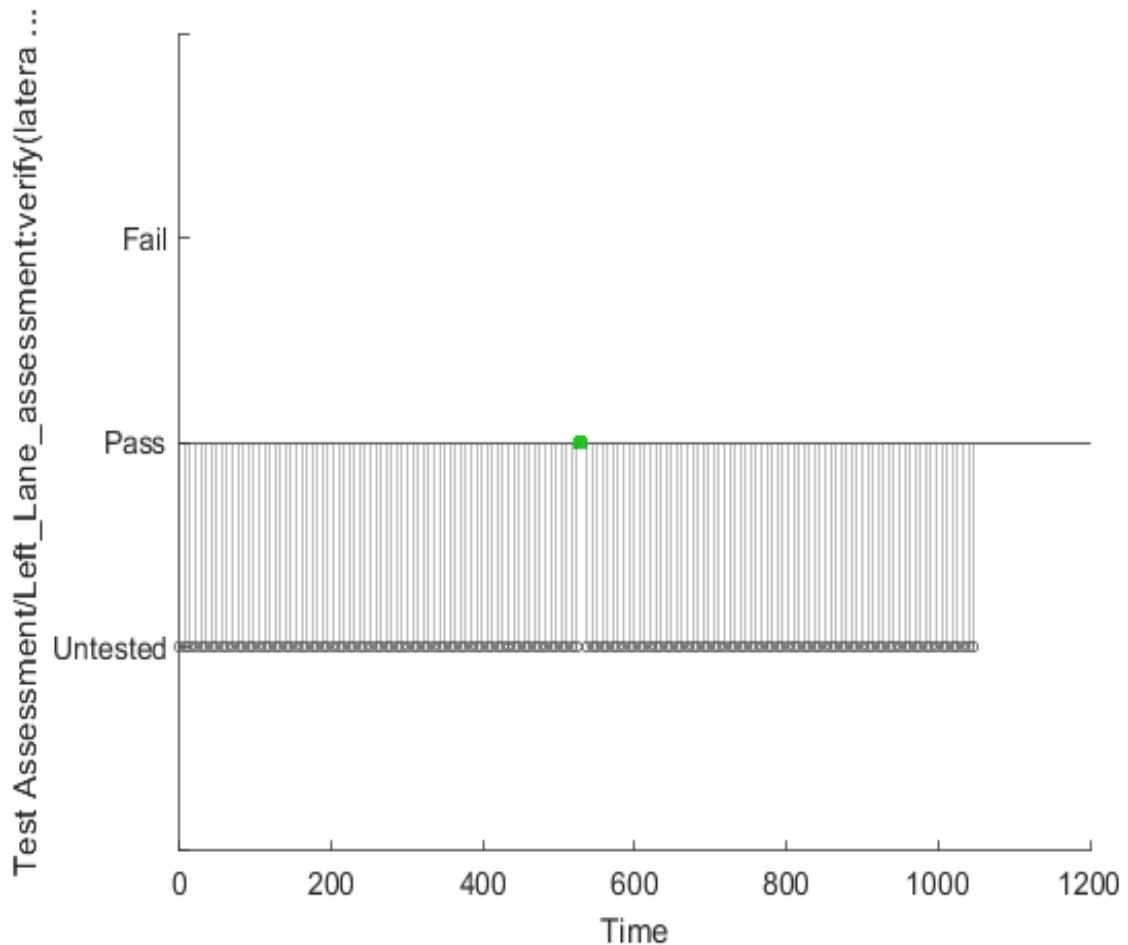
Name: 70° 10km/h  
Type: Simulation Test

## Verify Result

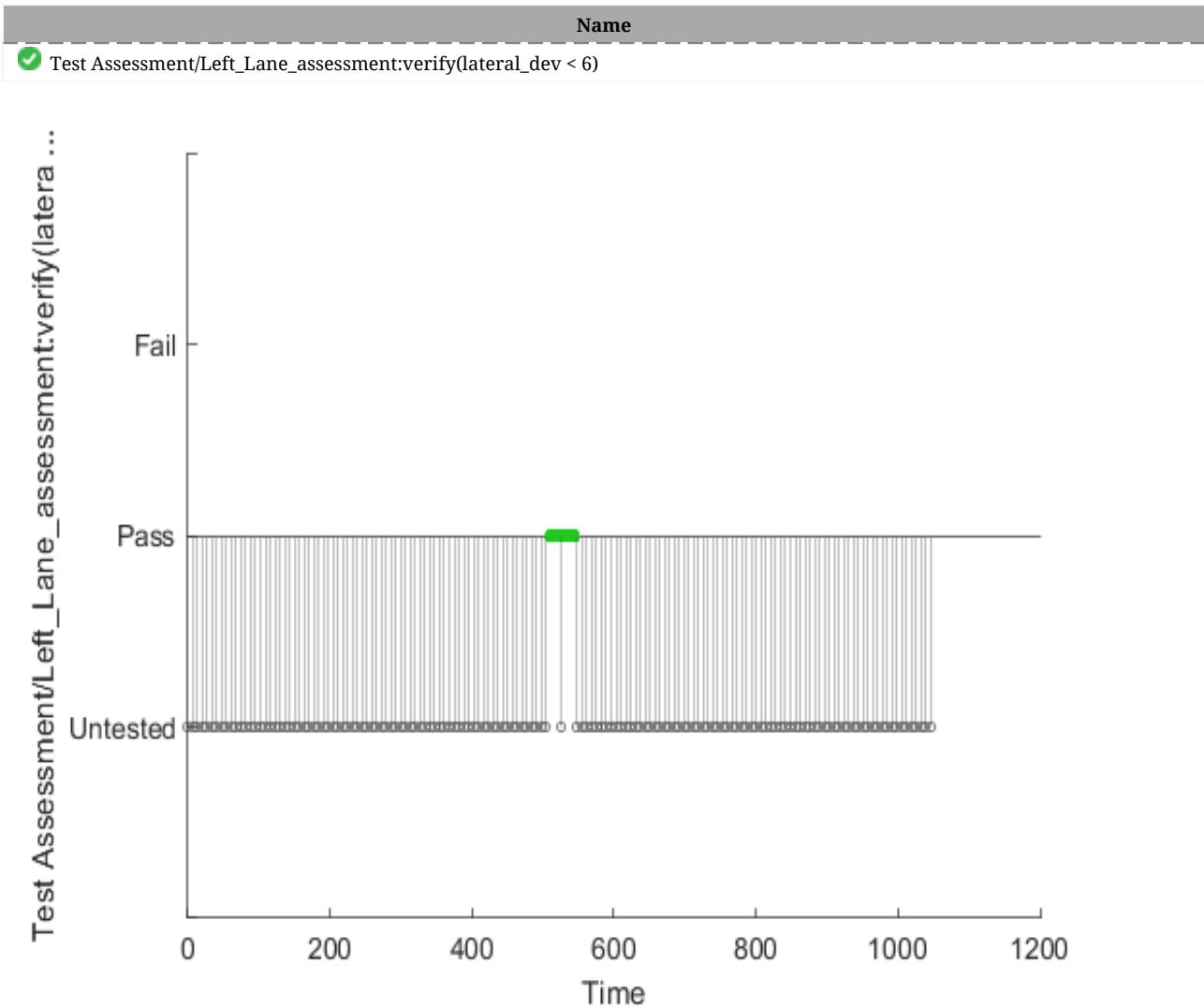
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



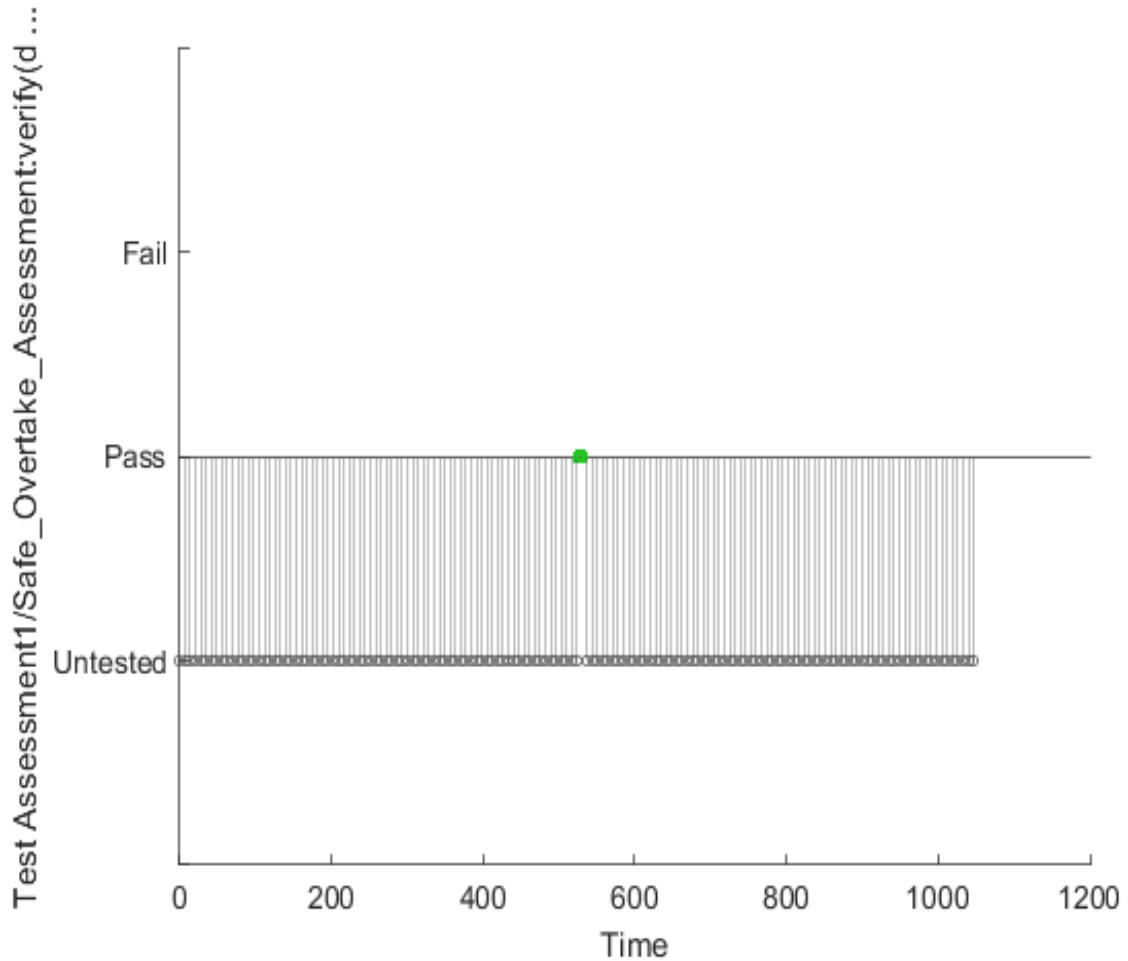
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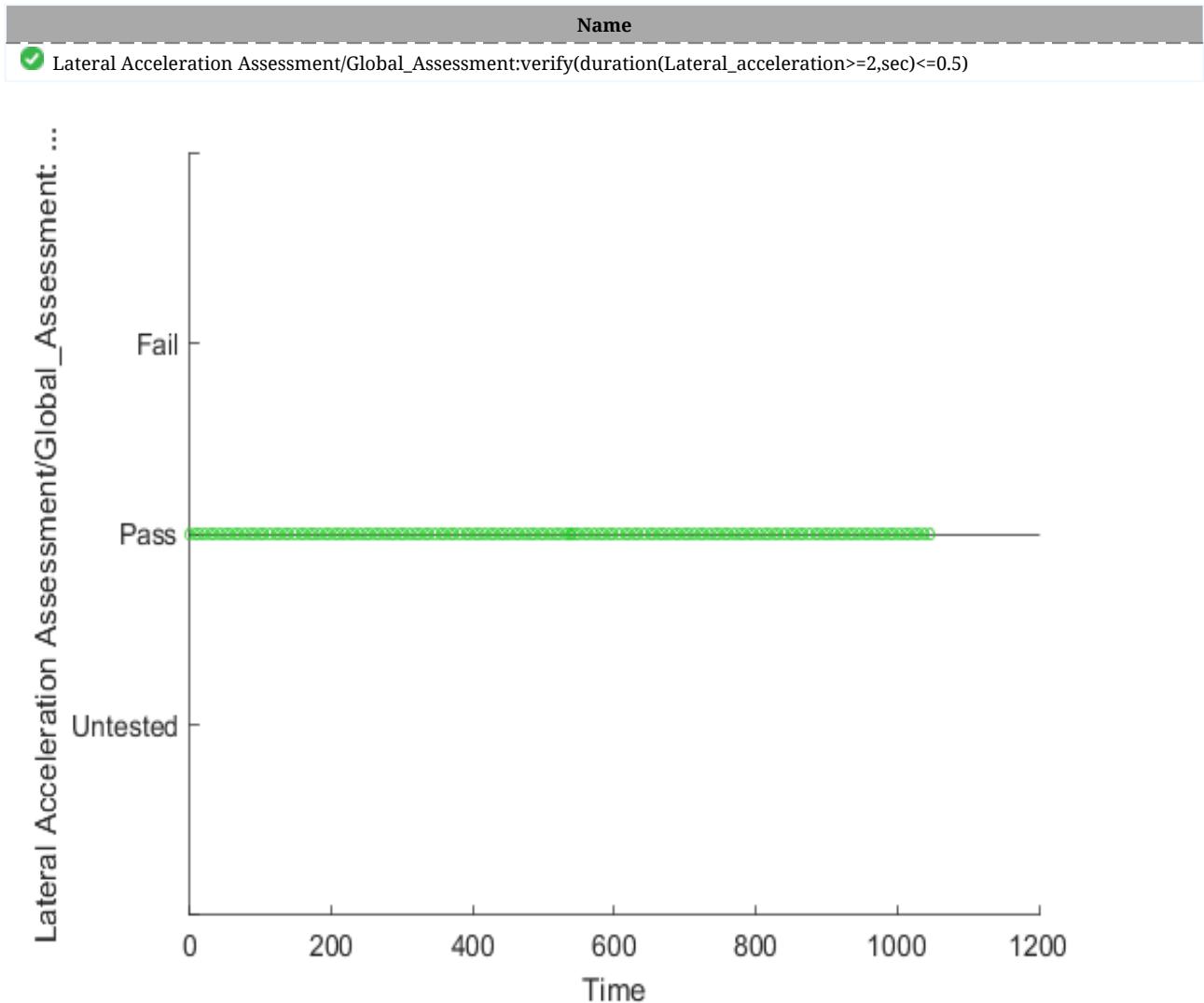
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

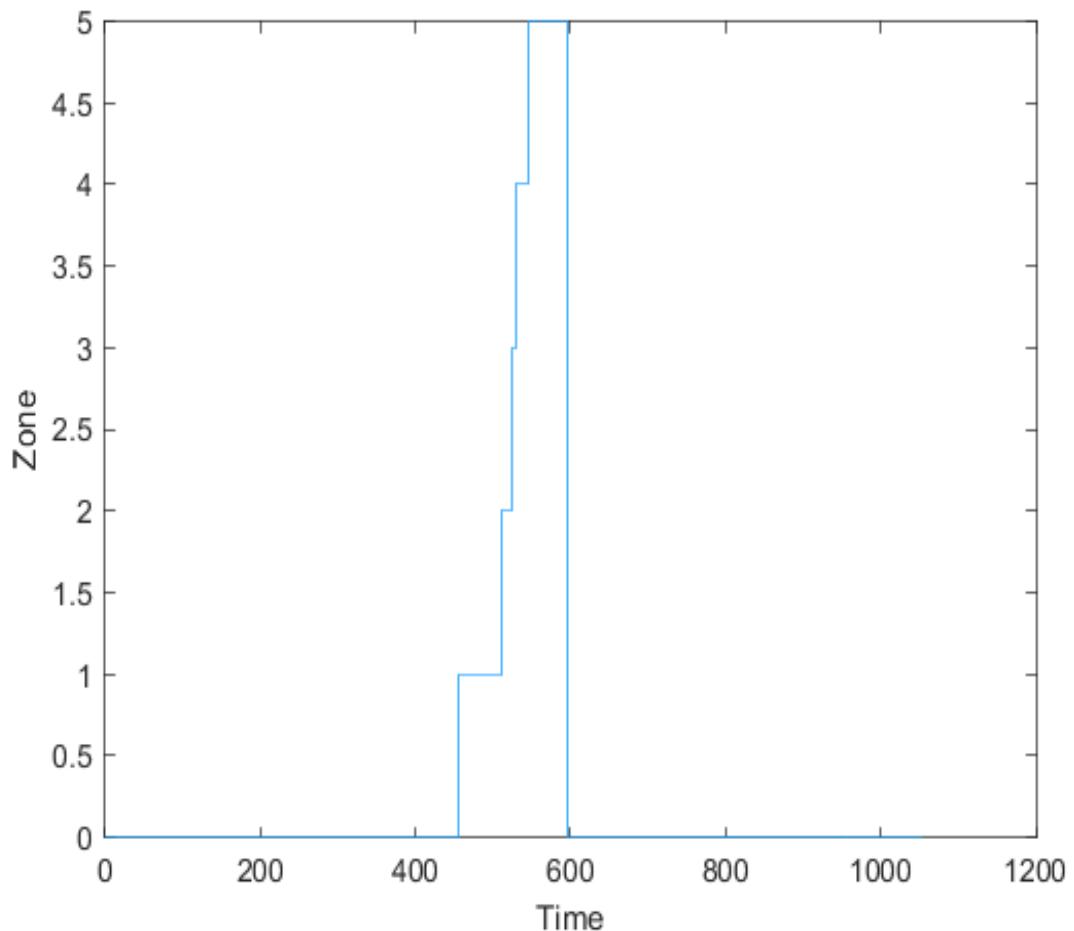
Start Time: 0  
Stop Time: 1052.4080797865438  
Checksum: 336204076 1192216309 3640701965 1304137277

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

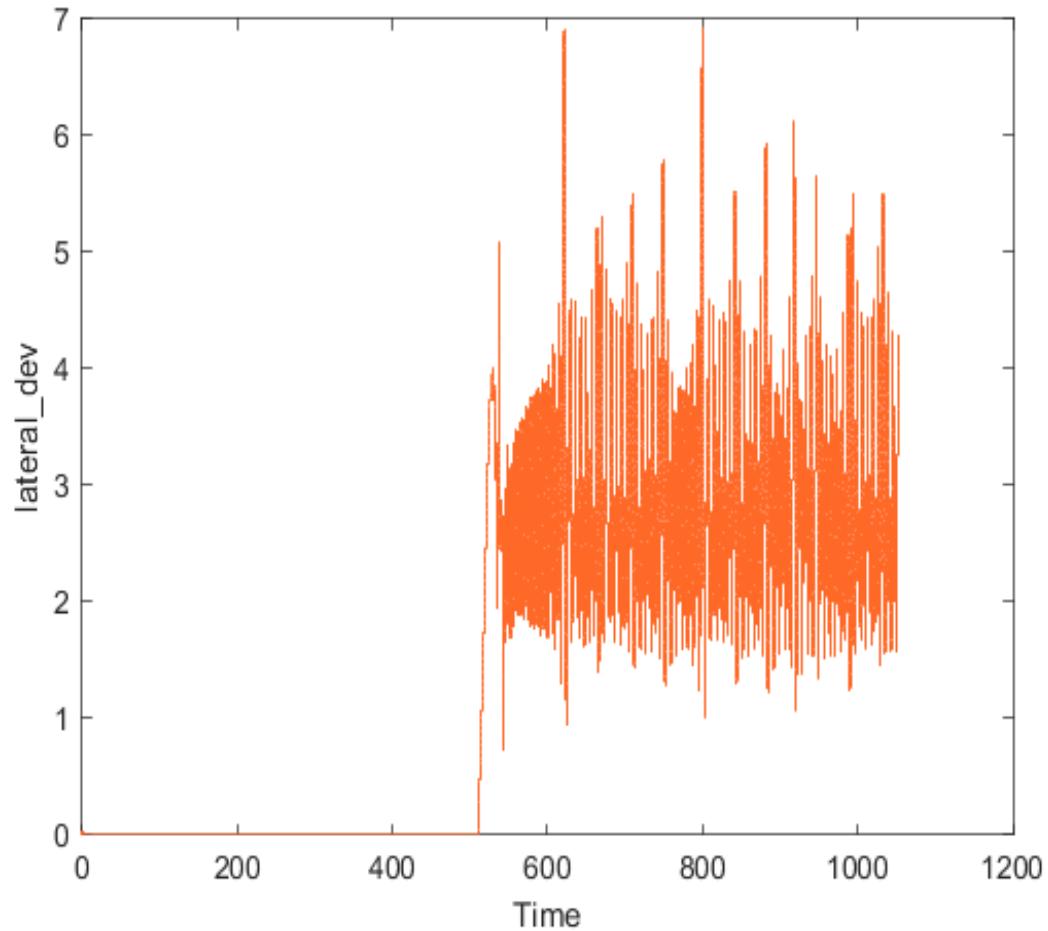
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 90° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:33:33  
End Time: 19-May-2021 18:38:14  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

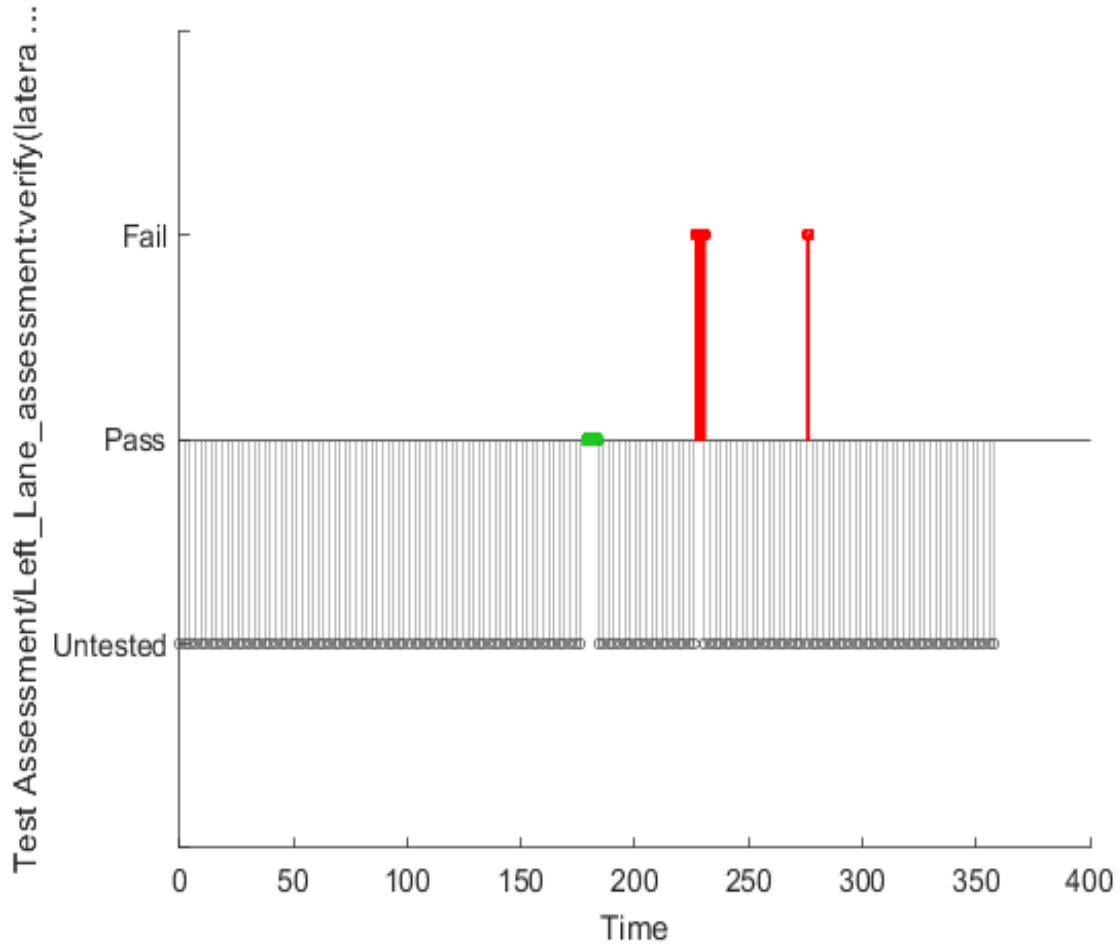
Name: 90° 10km/h  
Type: Simulation Test

## Verify Result

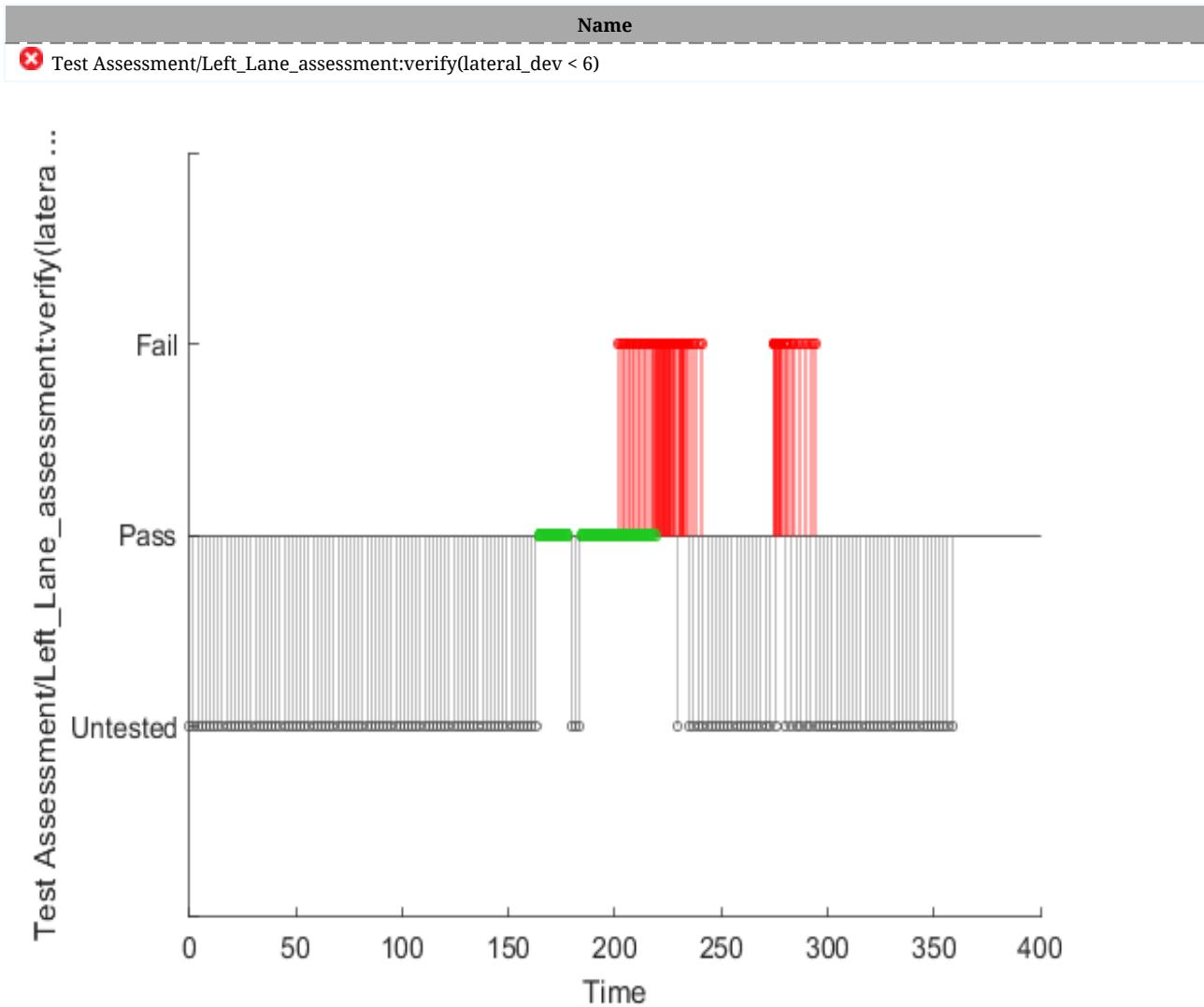
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

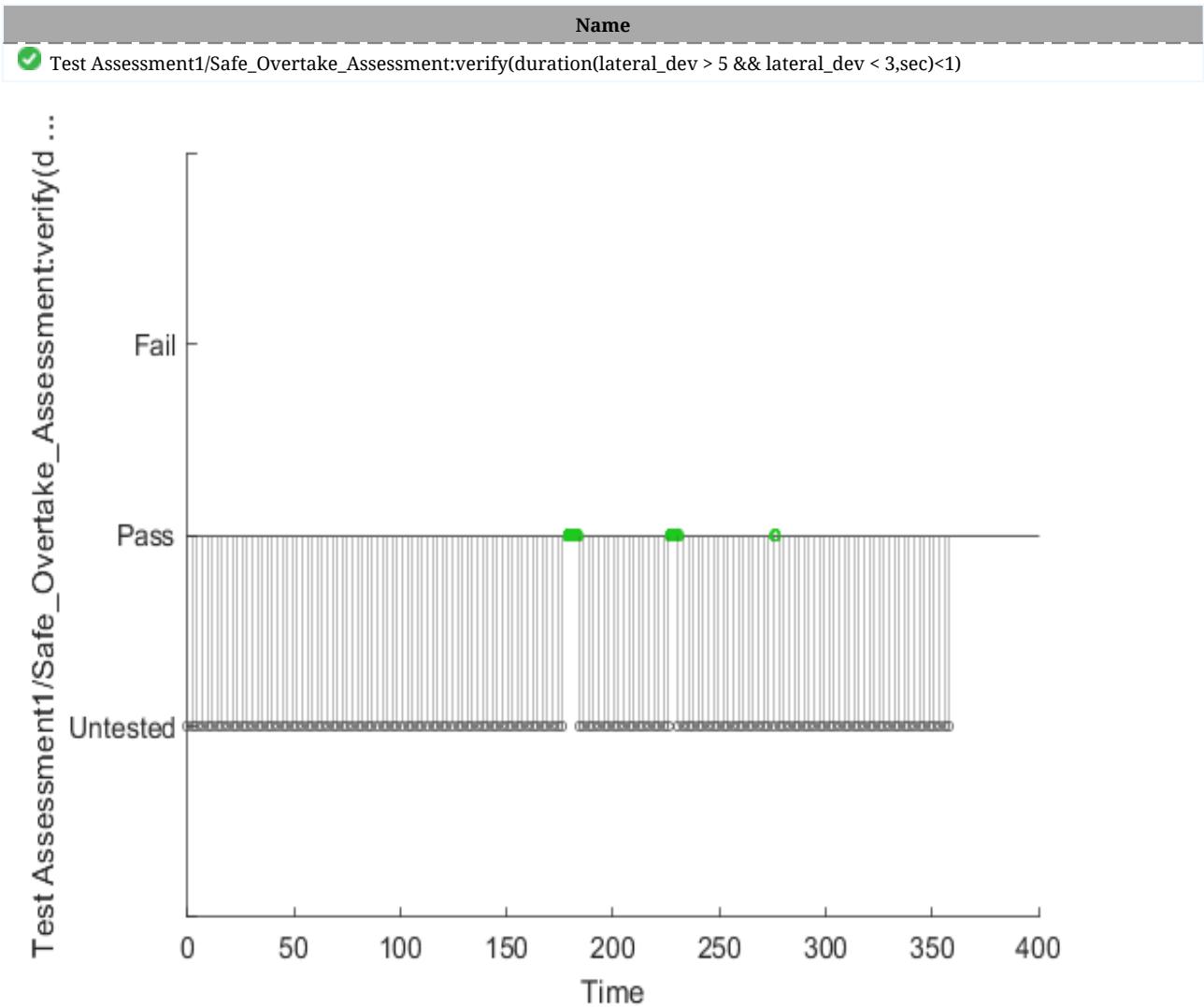
✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



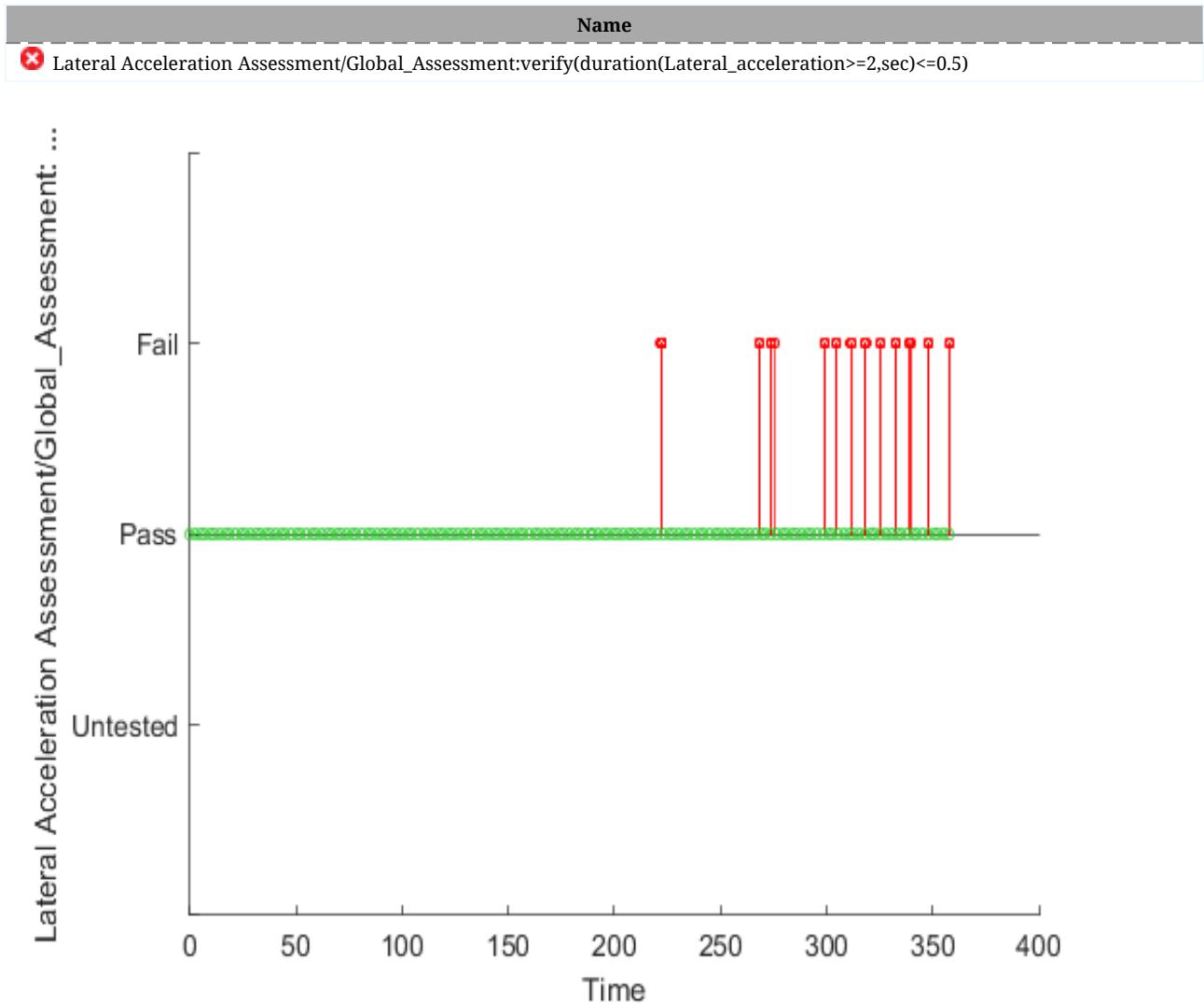
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

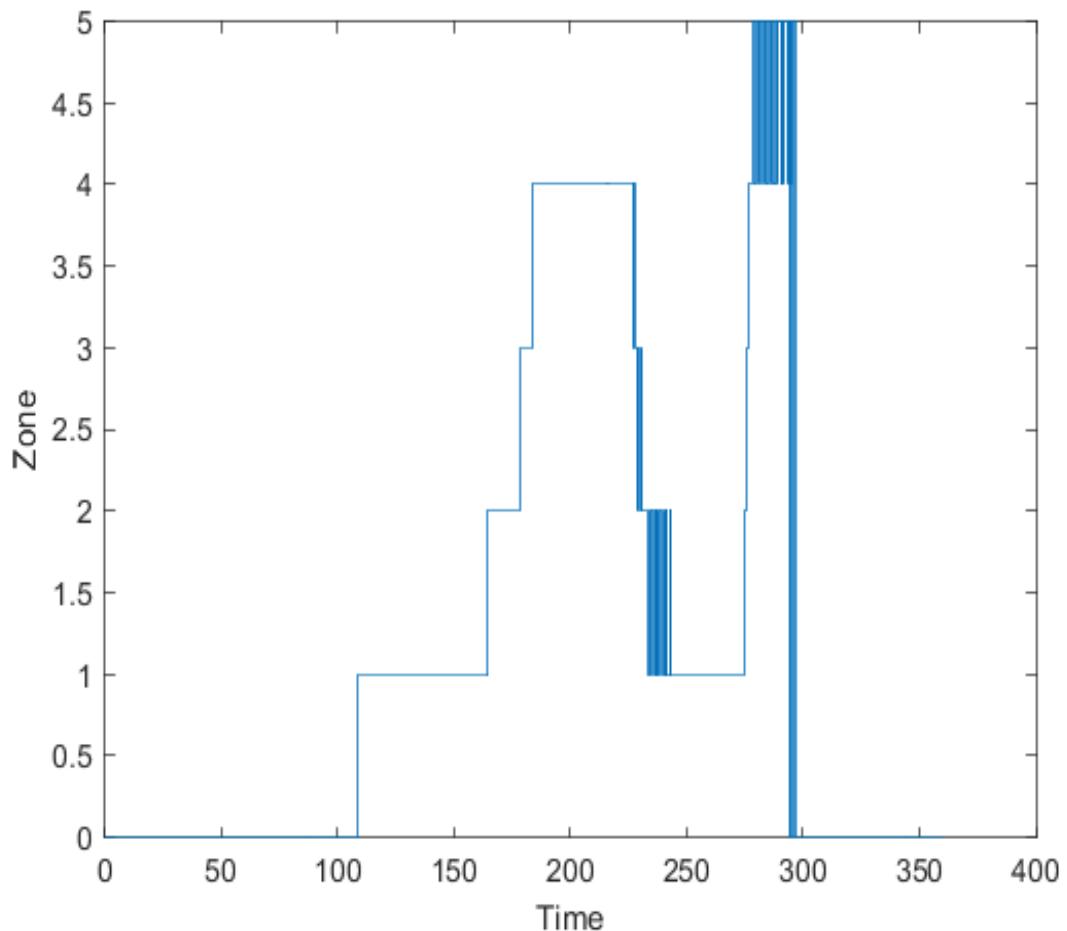
Start Time: 0  
Stop Time: 360  
Checksum: 1279968610 3553656310 3822265545 4181666591

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

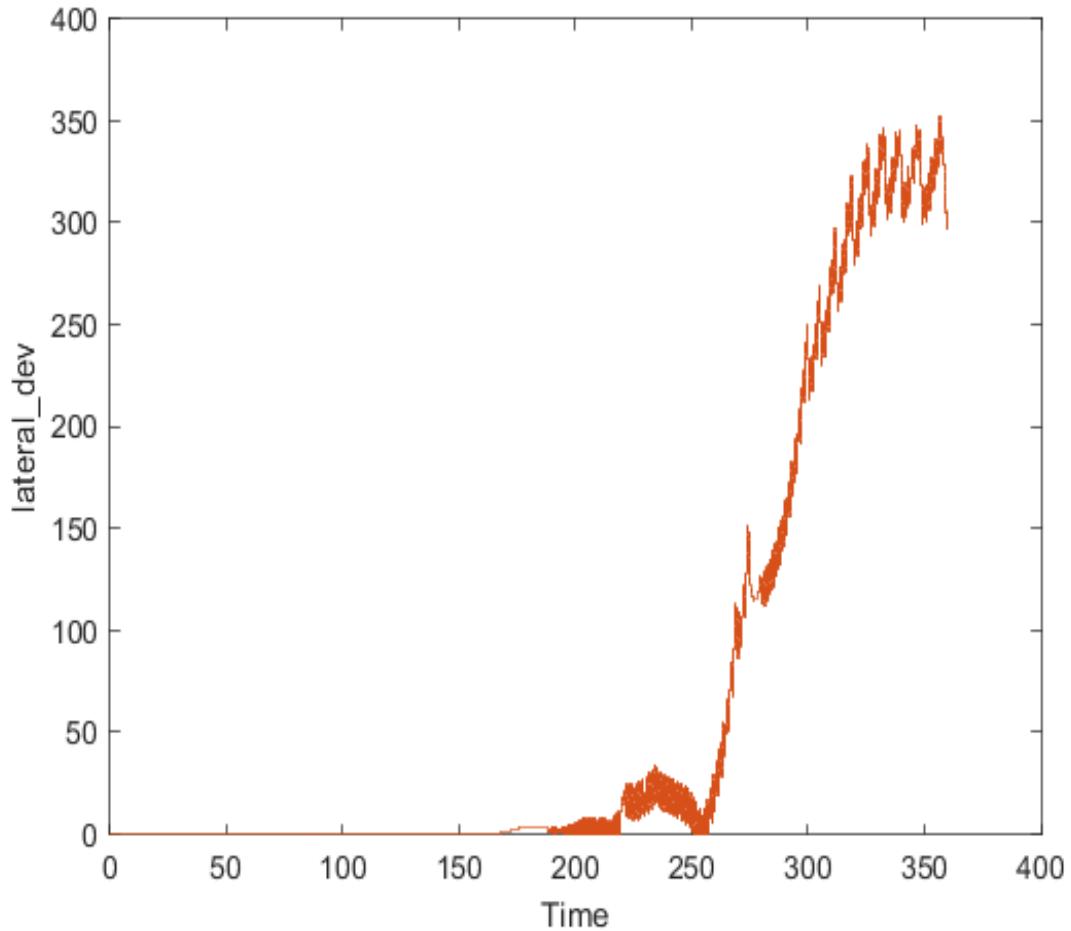
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 110° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:38:14  
End Time: 19-May-2021 18:41:53  
Outcome: Passed

## Test Case Information

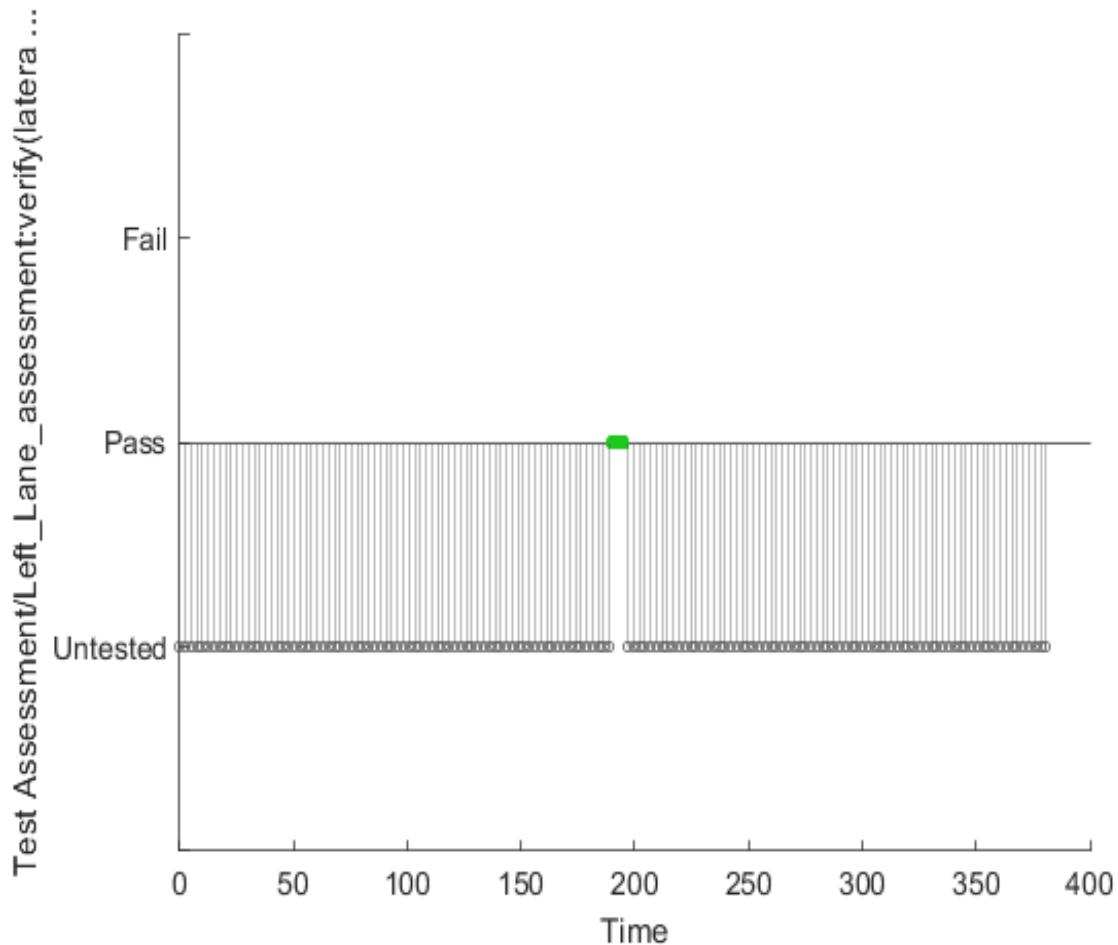
Name: 110° 10km/h  
Type: Simulation Test

## Verify Result

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

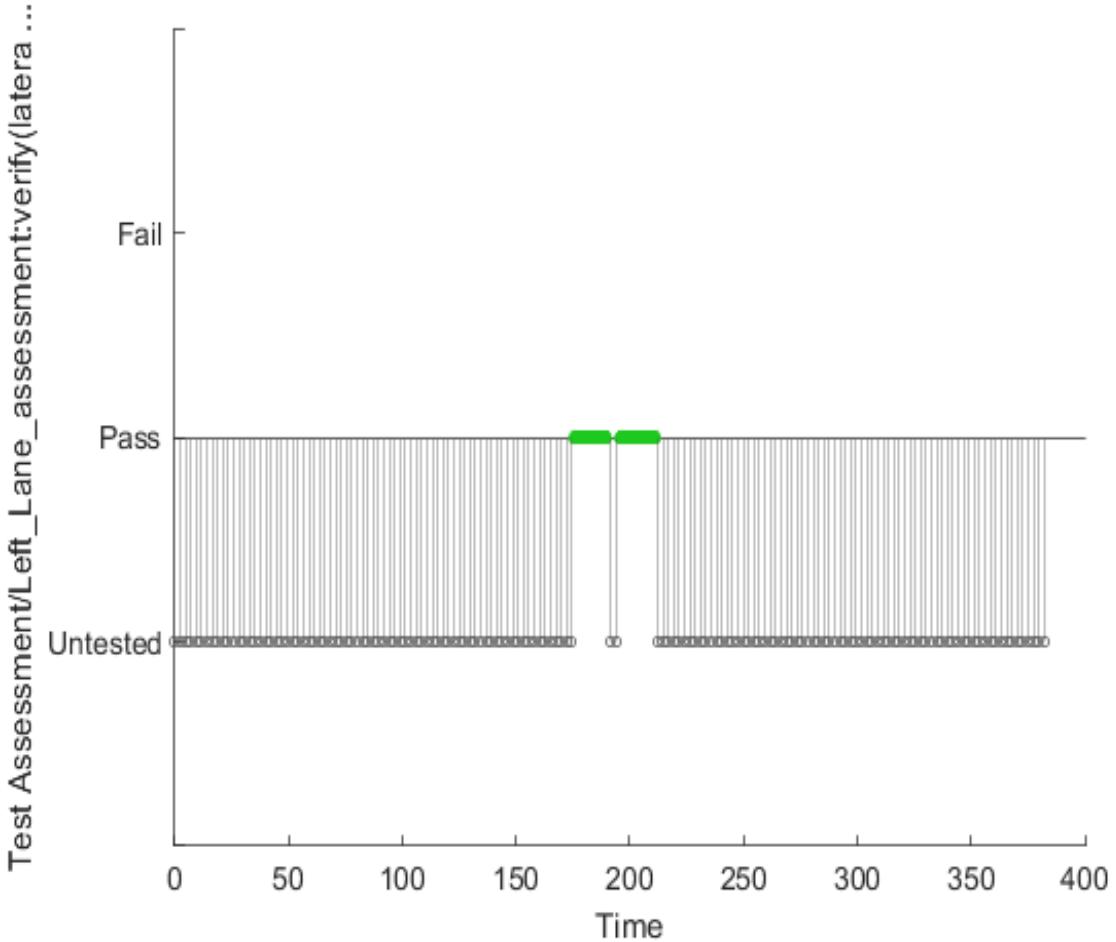
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)

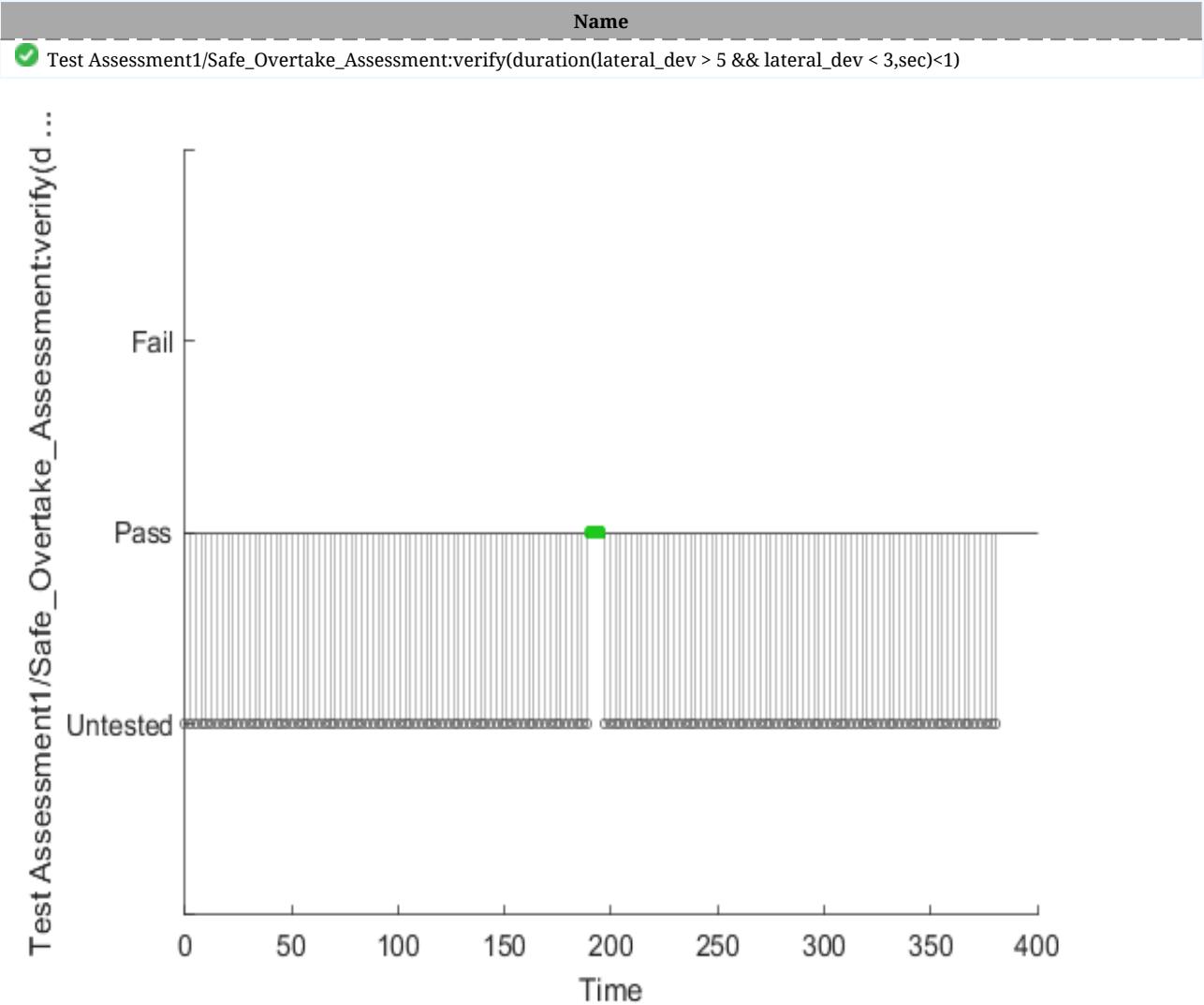


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Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)

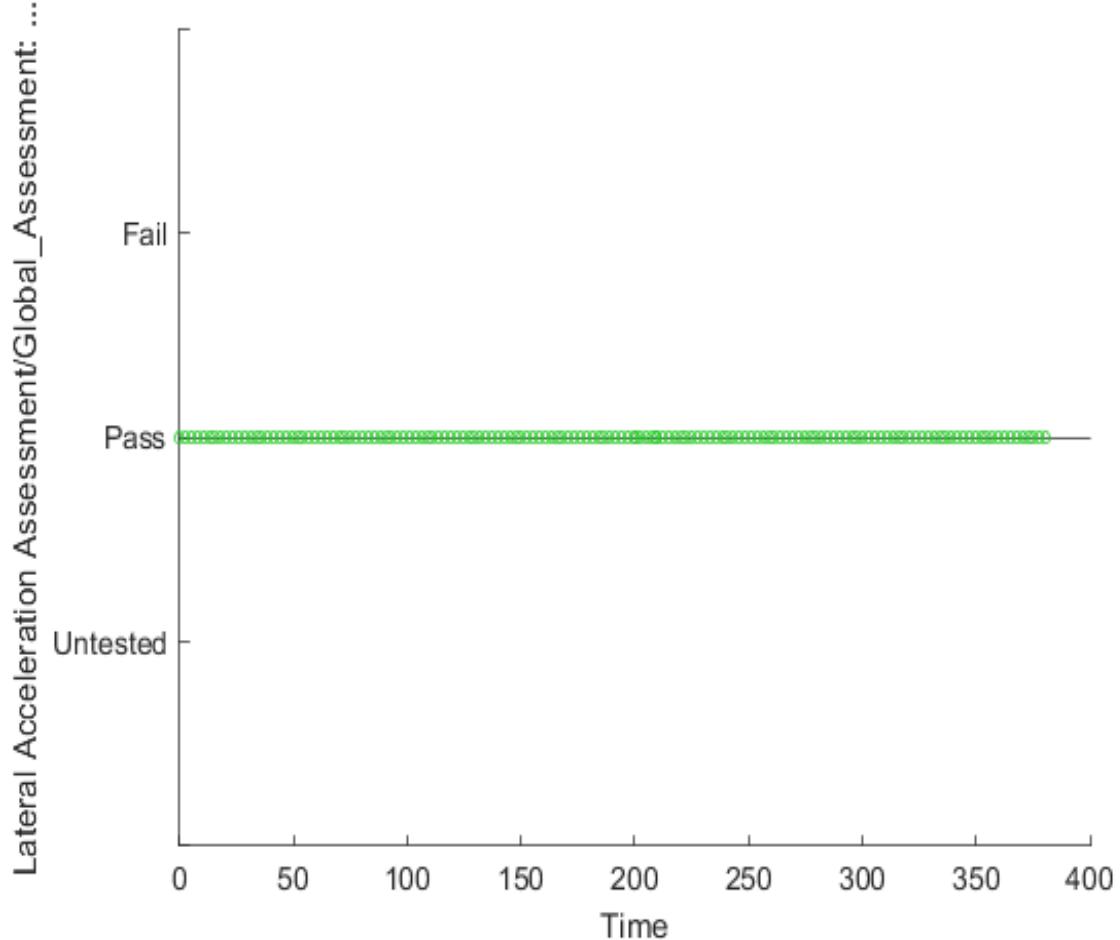


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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

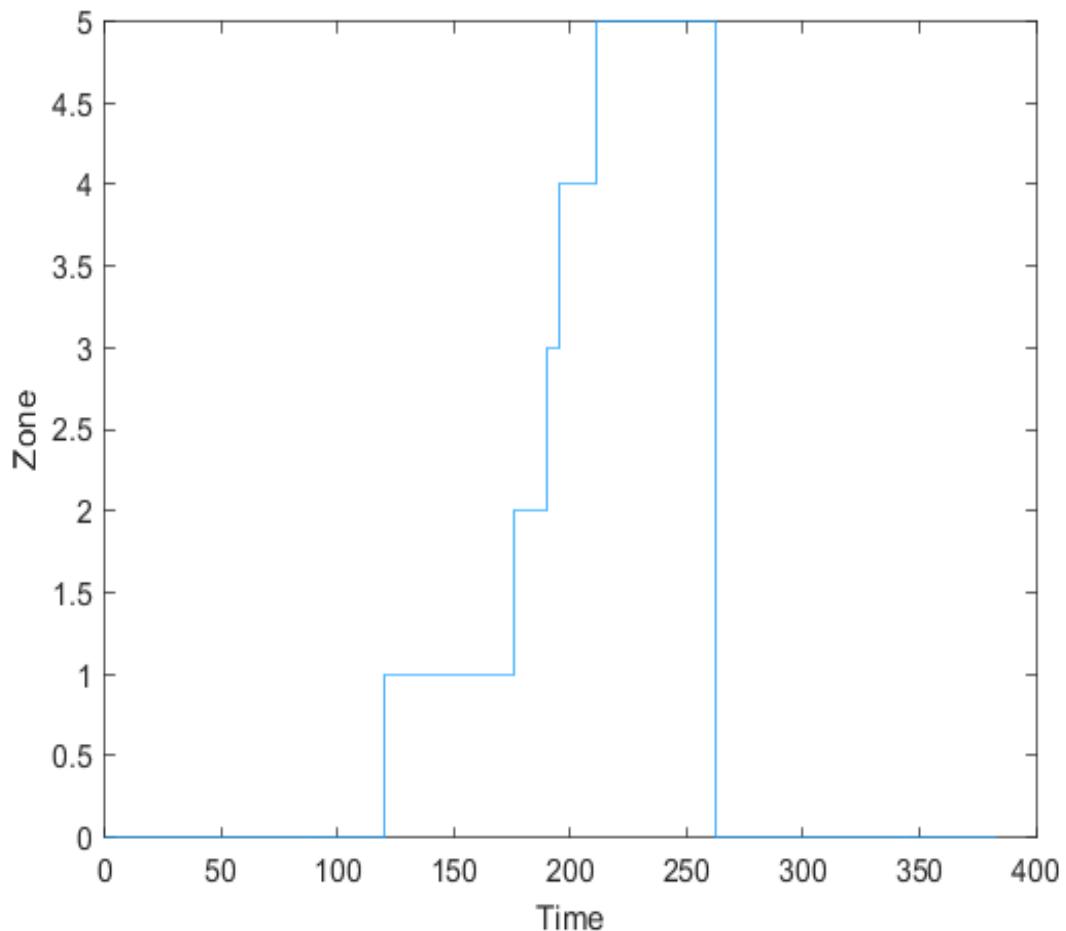
Start Time: 0  
Stop Time: 383.10766319665288  
Checksum: 1682963402 2721441319 4134056361 2702817166

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

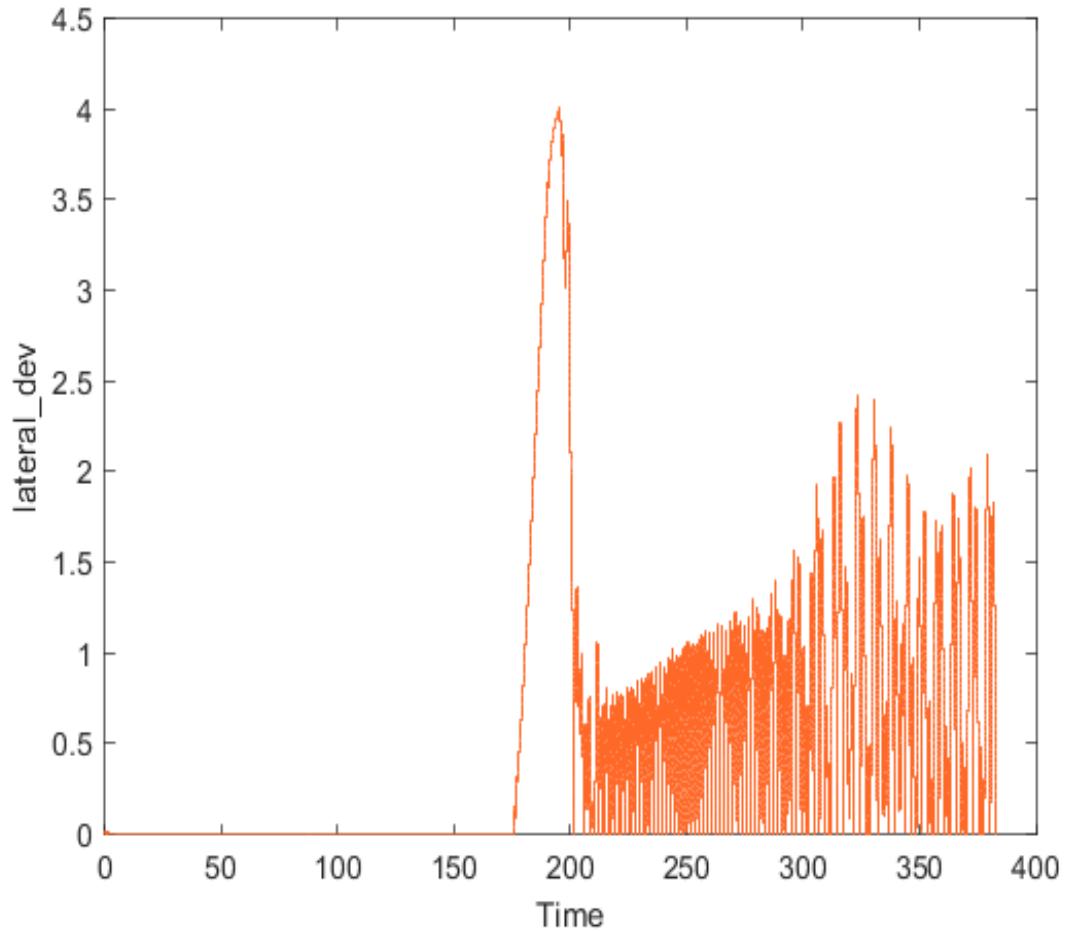
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 135° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:41:53  
End Time: 19-May-2021 18:47:09  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

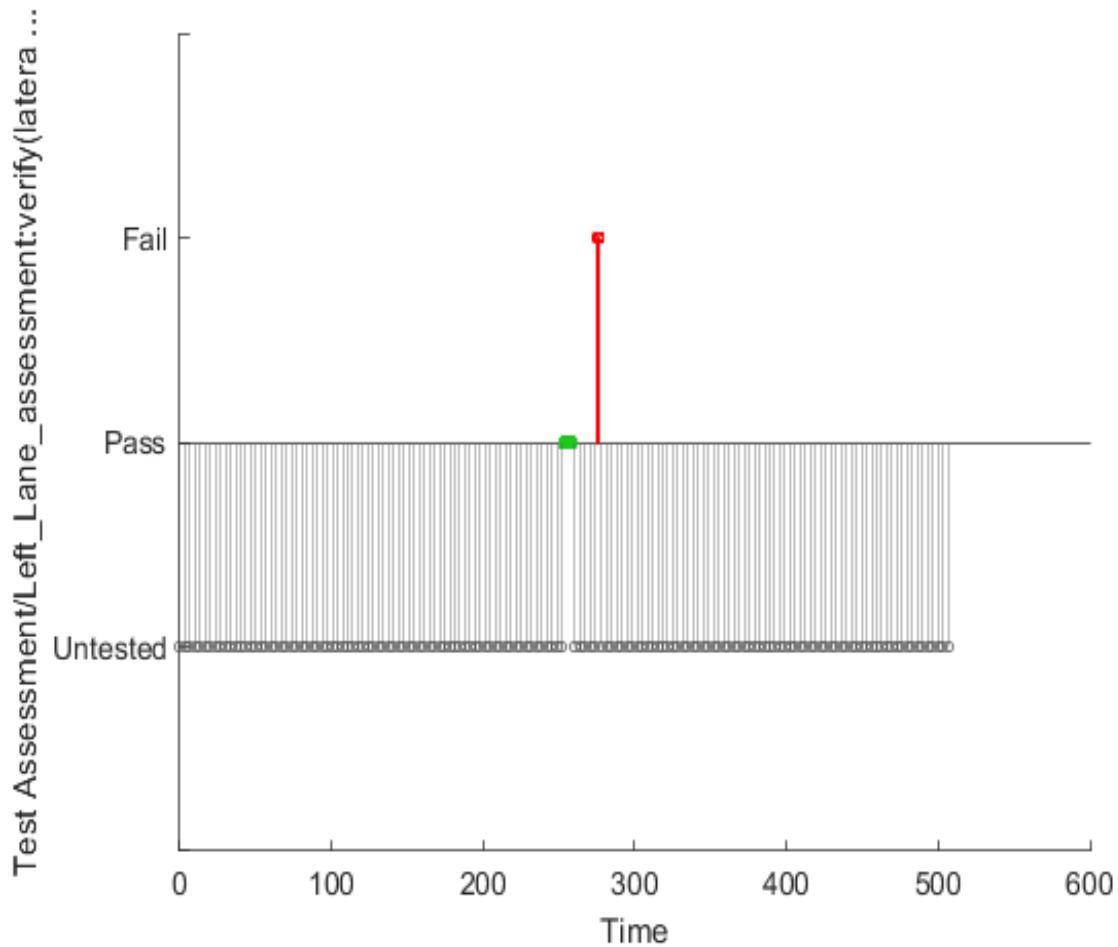
Name: 135° 10km/h  
Type: Simulation Test

## Verify Result

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

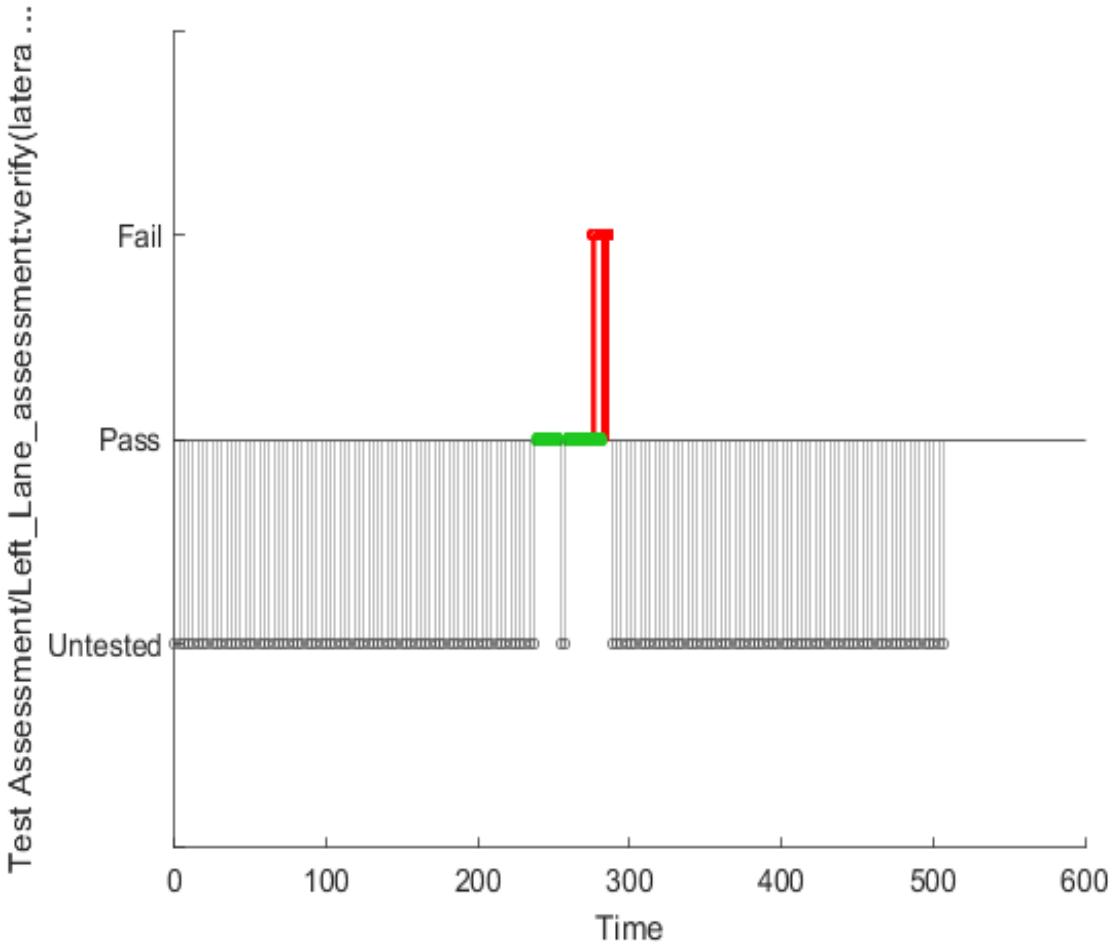
### Name

✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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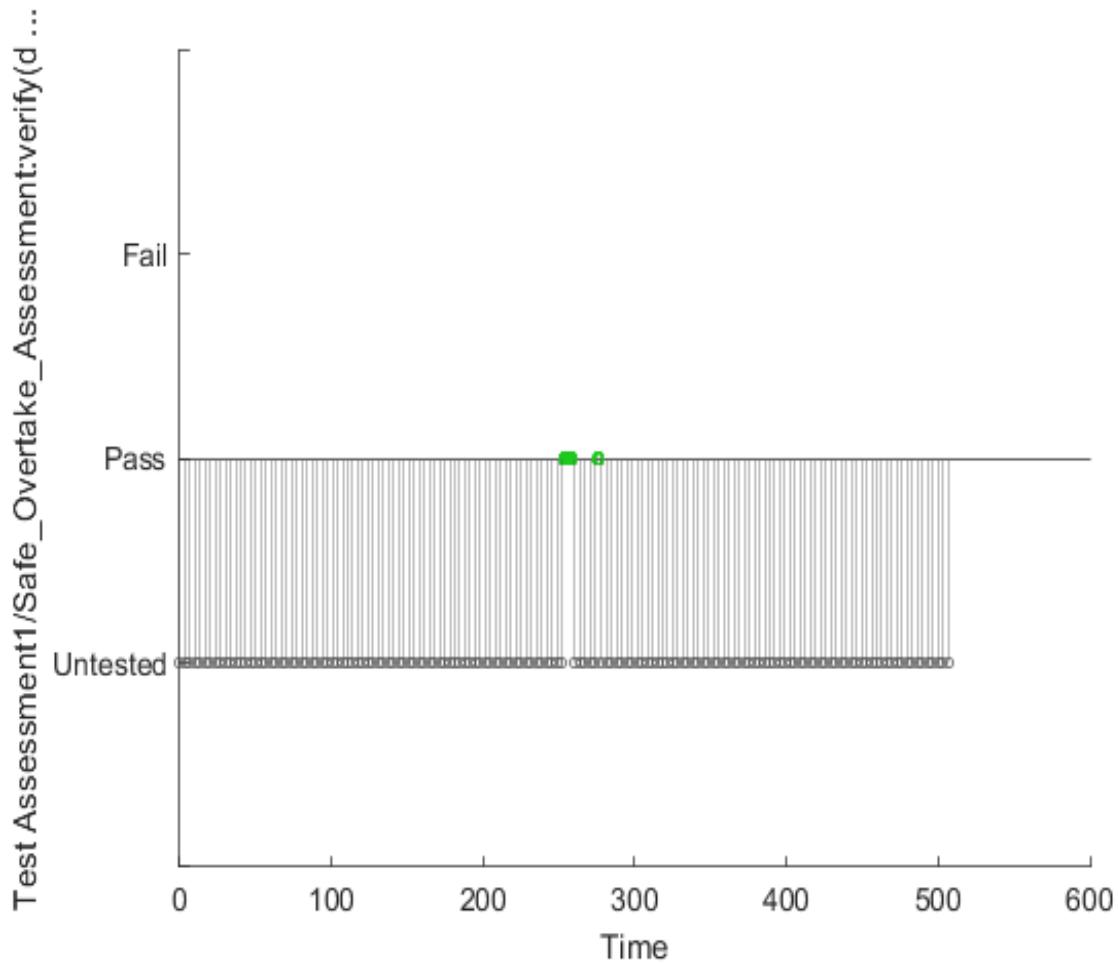
Name
✖ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



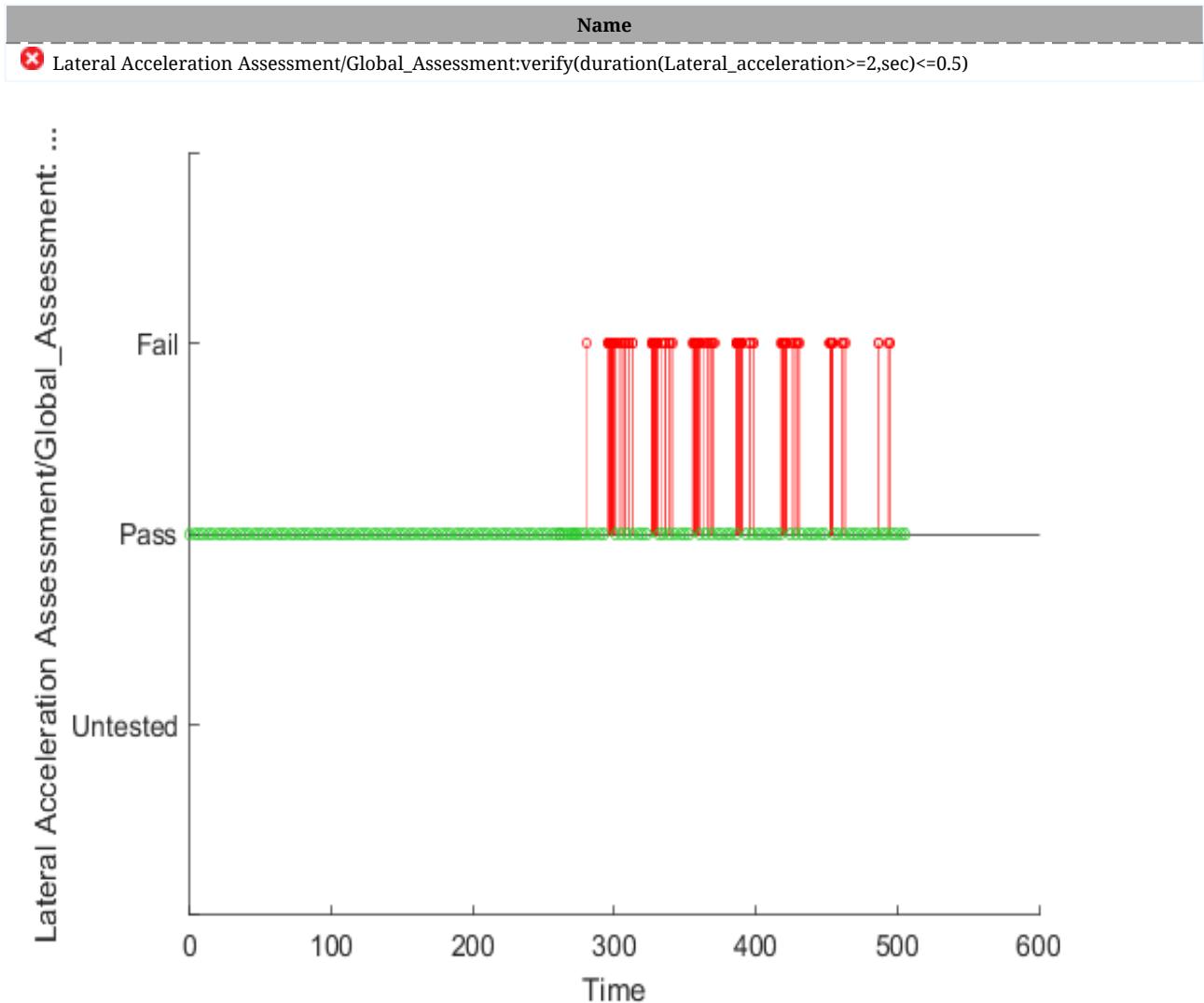
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

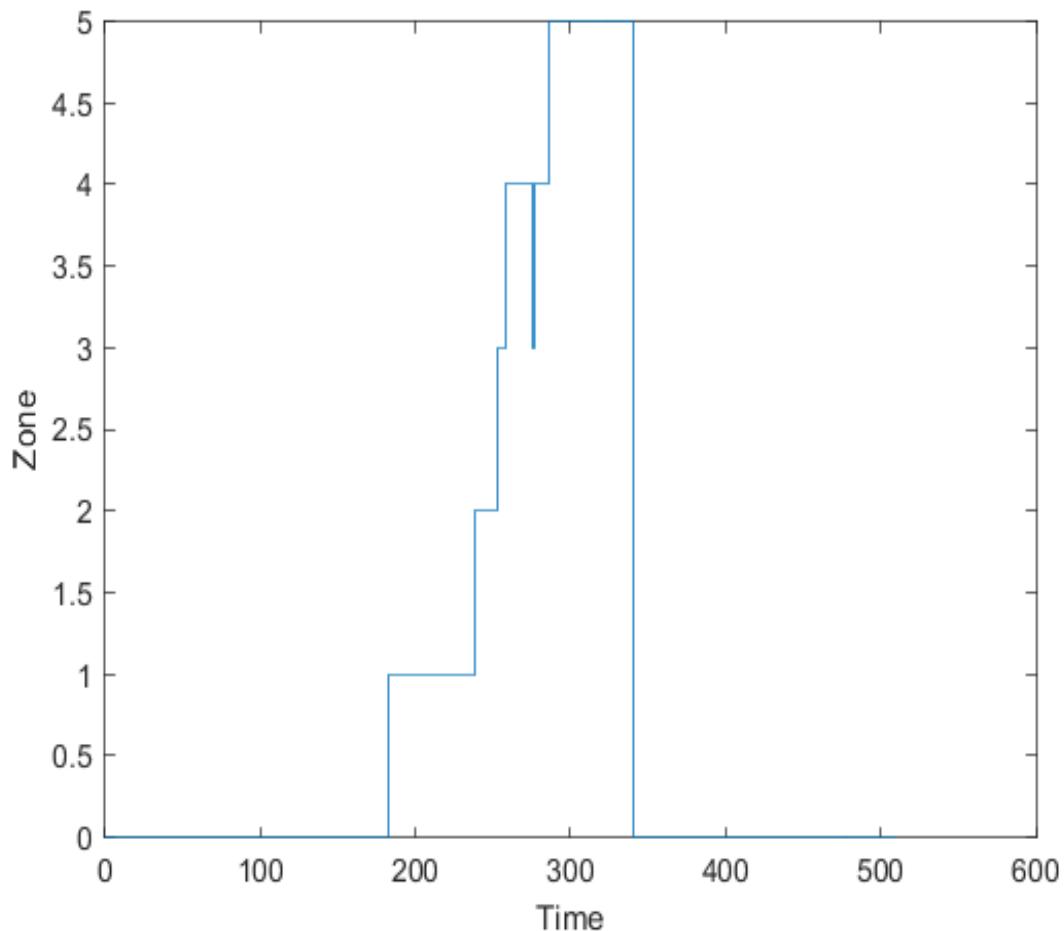
Start Time: 0  
Stop Time: 509.11688245431424  
Checksum: 1270937627 536974784 78647280 2615227783

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

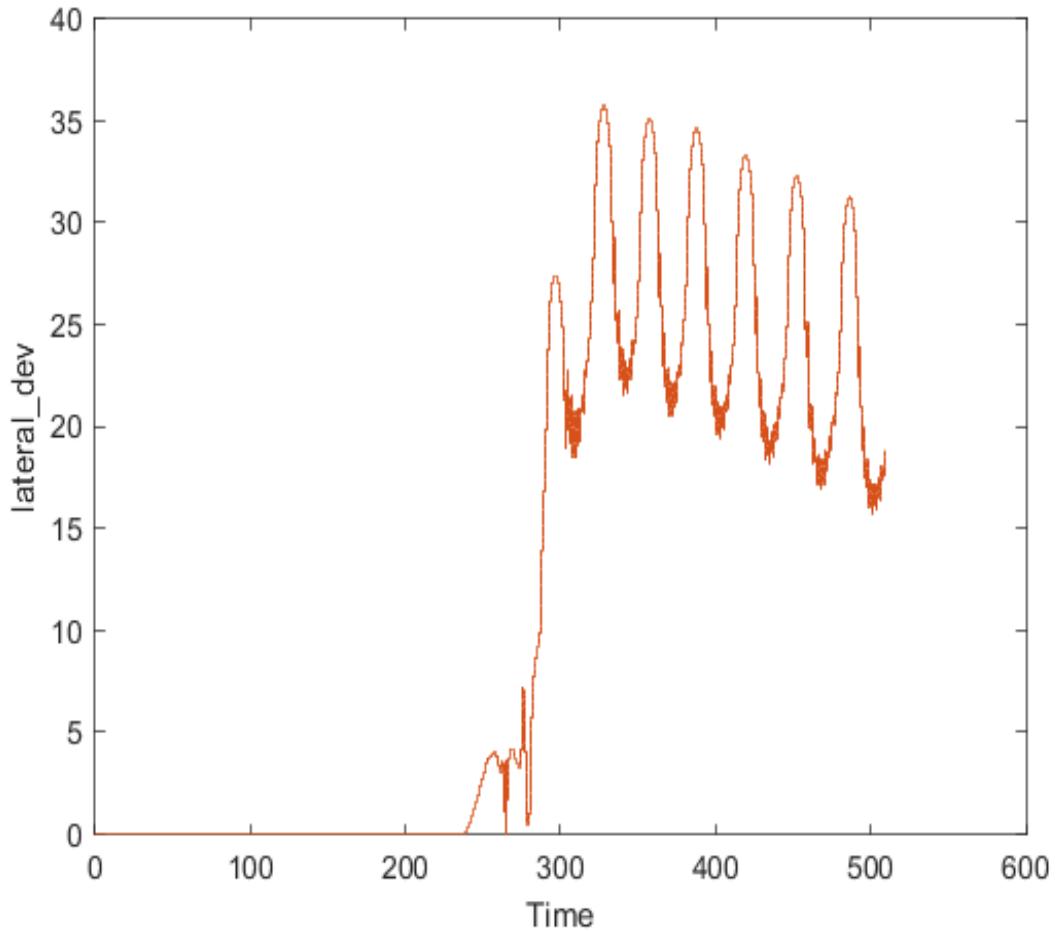
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 160° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 18:47:09  
End Time: 19-May-2021 19:30:36  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

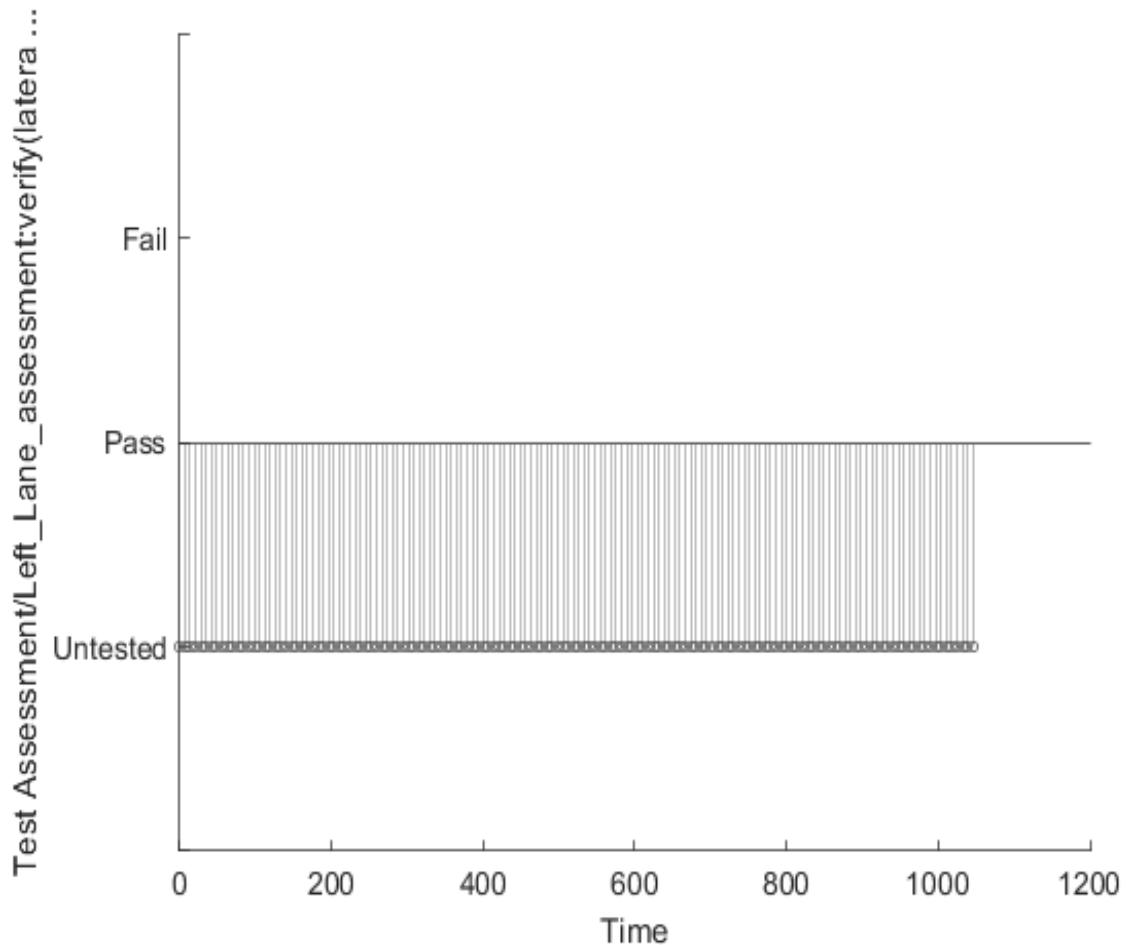
Name: 160° 10km/h  
Type: Simulation Test

## Verify Result

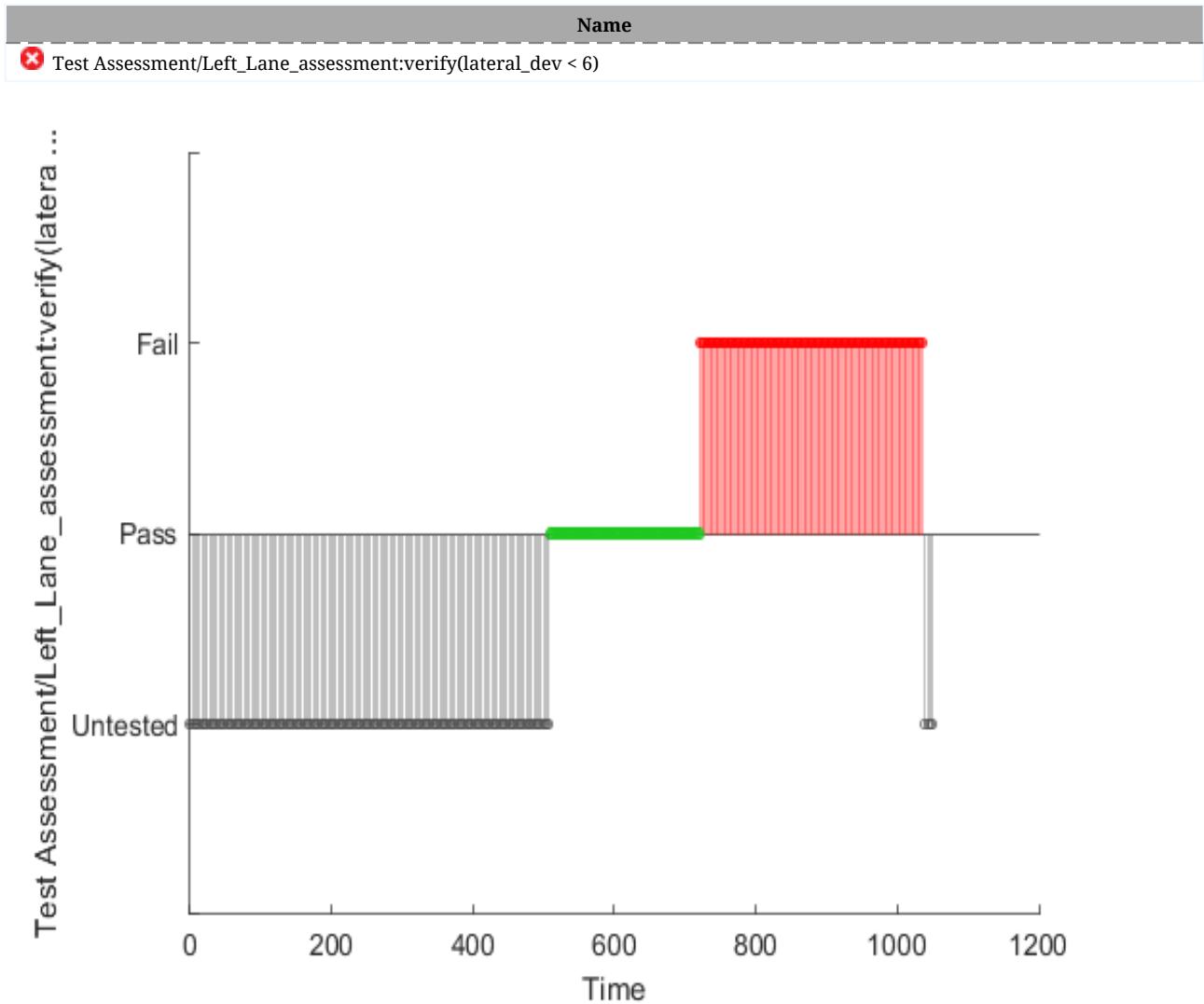
Name	Link to Plot
∅ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
∅ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

∅ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



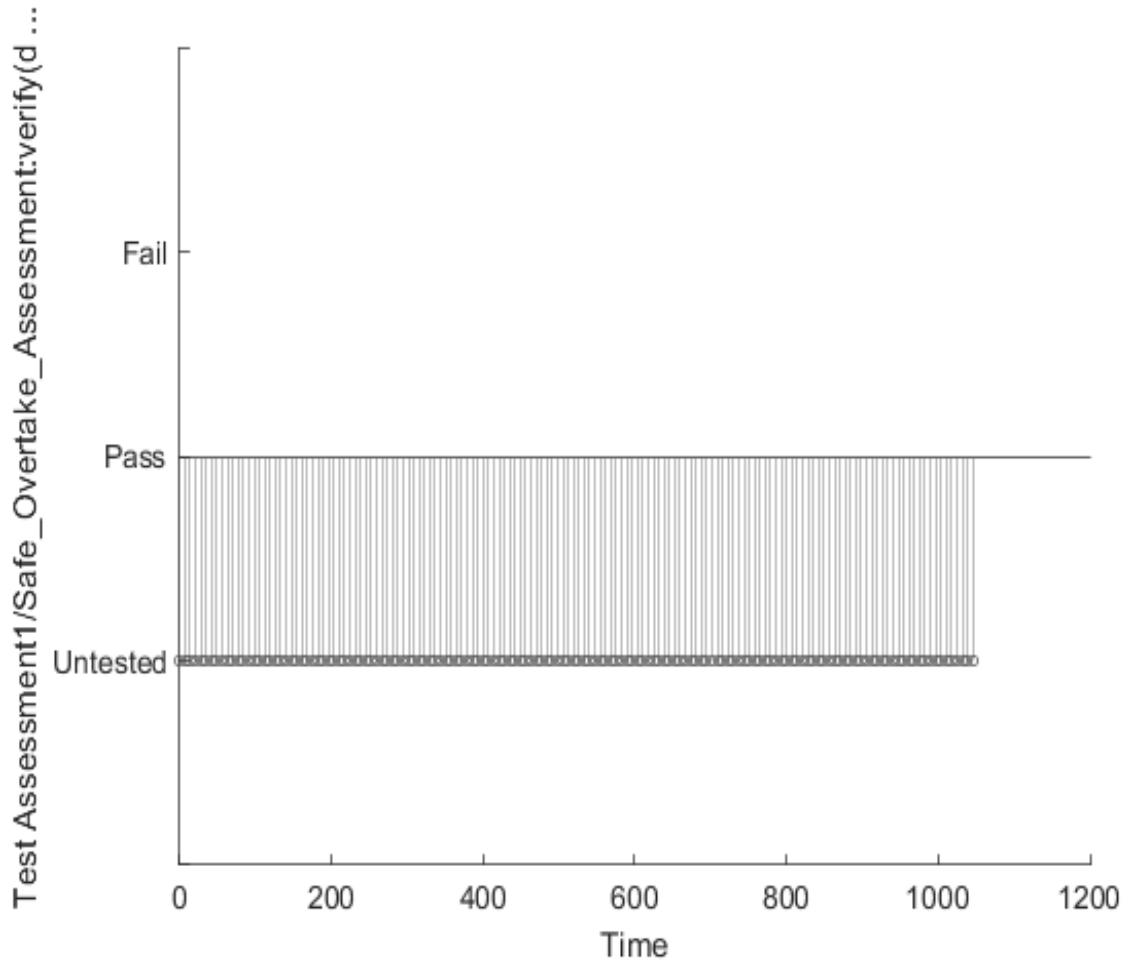
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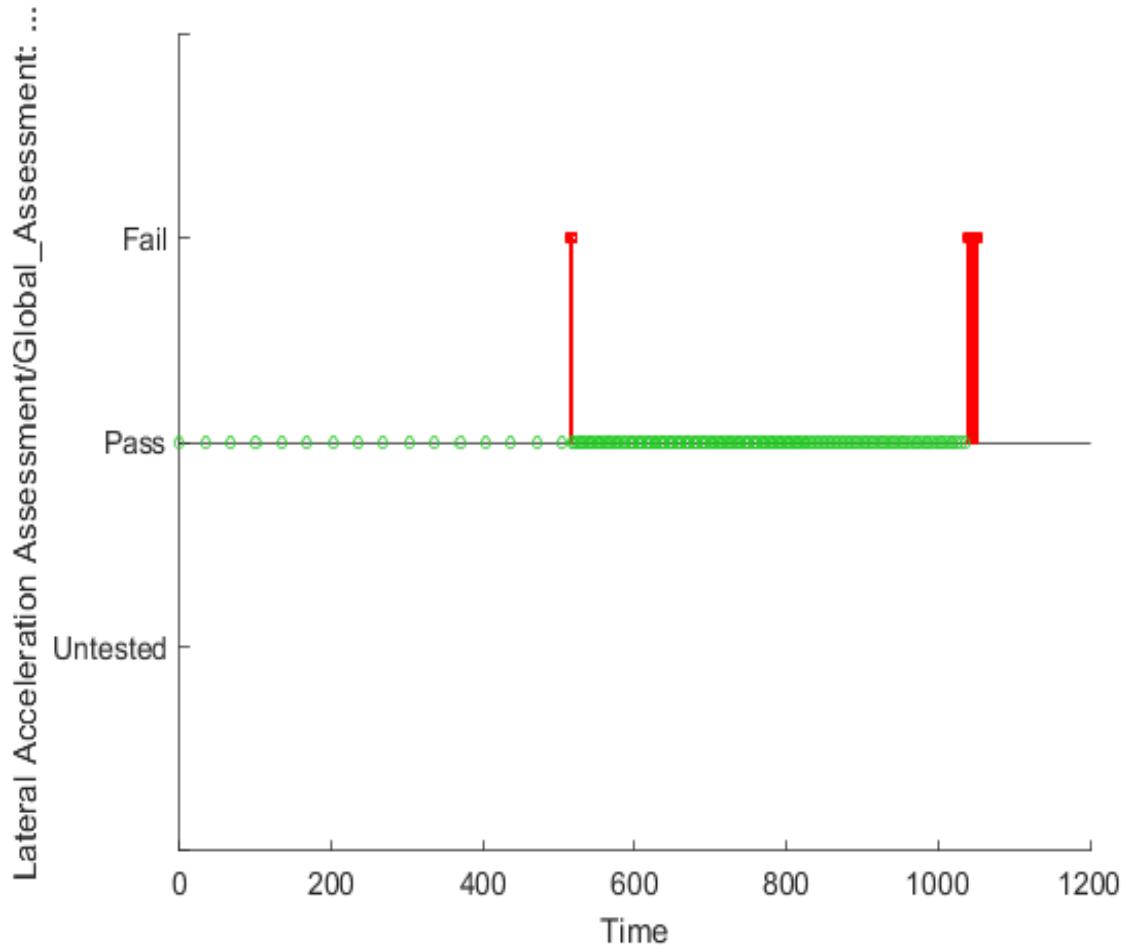
Name

∅ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✖ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

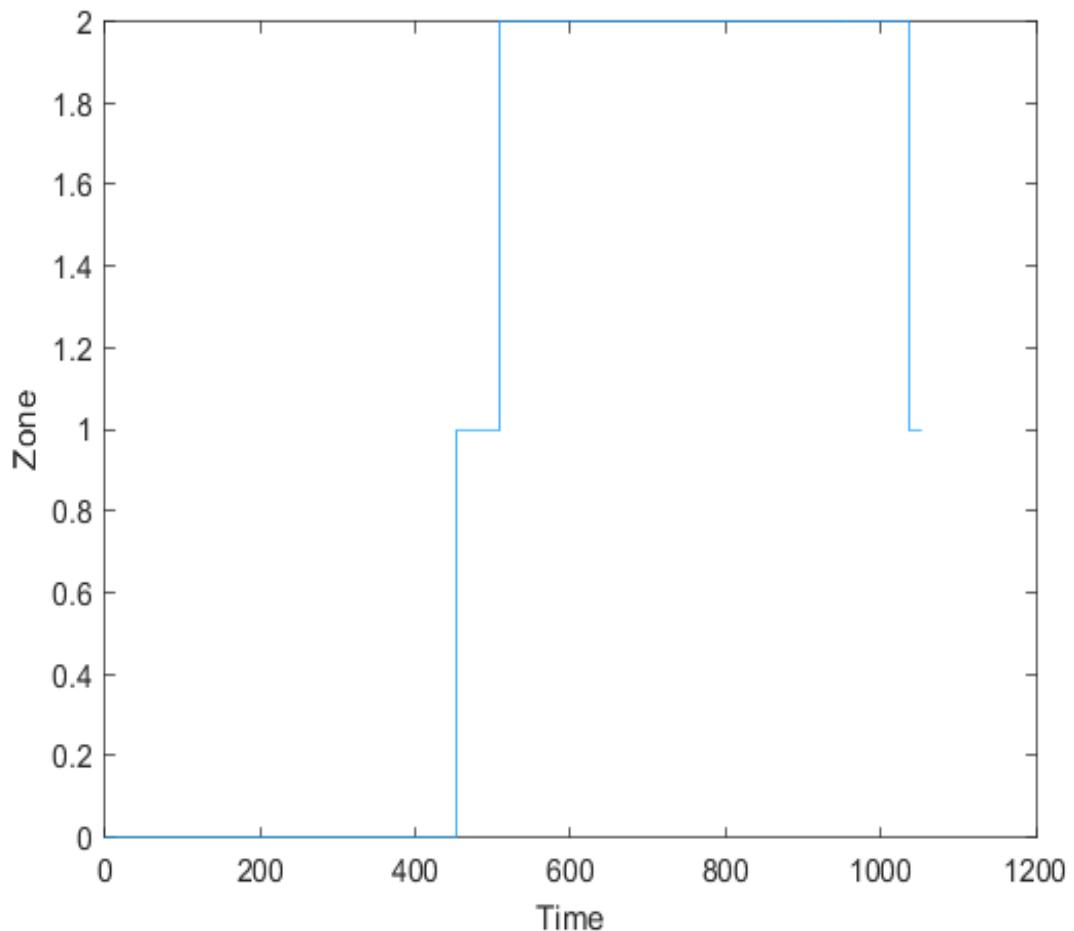
Start Time: 0  
Stop Time: 1052.4080797865438  
Checksum: 336204076 1192216309 3640701965 1304137277

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

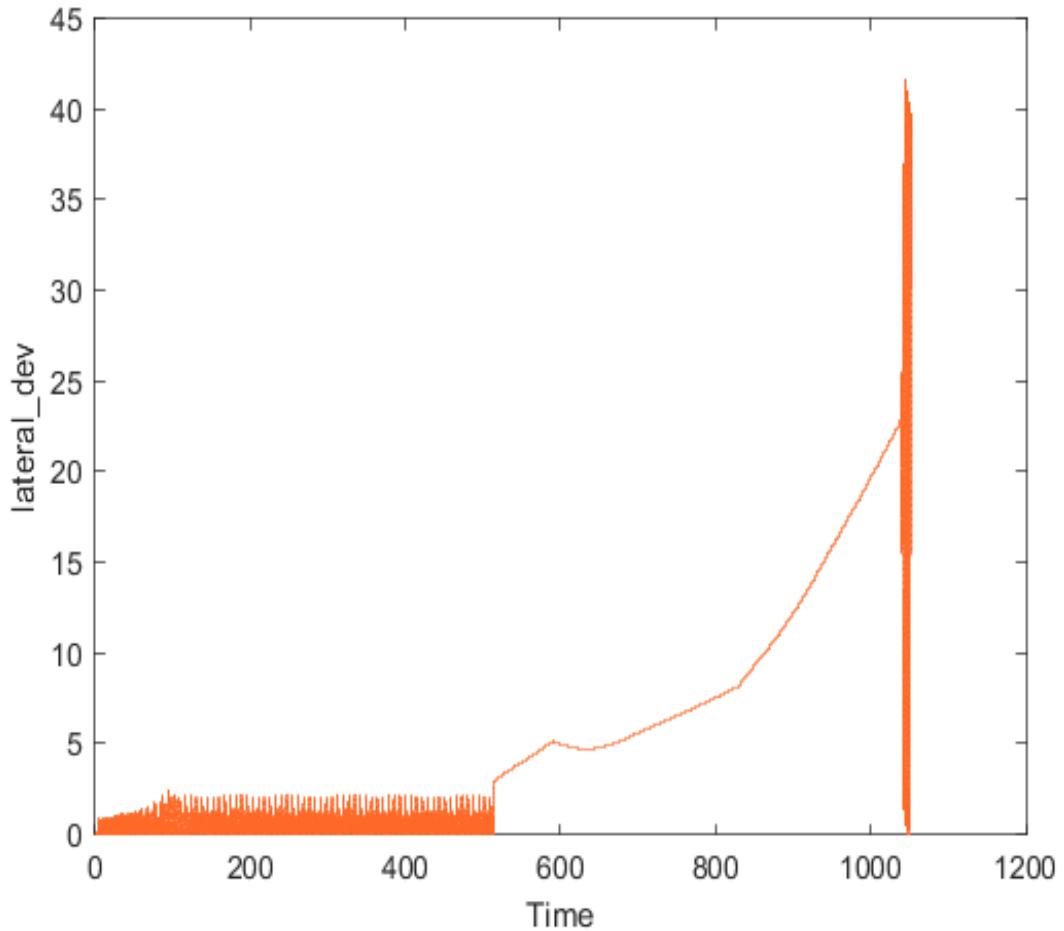
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 180° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 19:30:36  
End Time: 19-May-2021 19:33:51  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

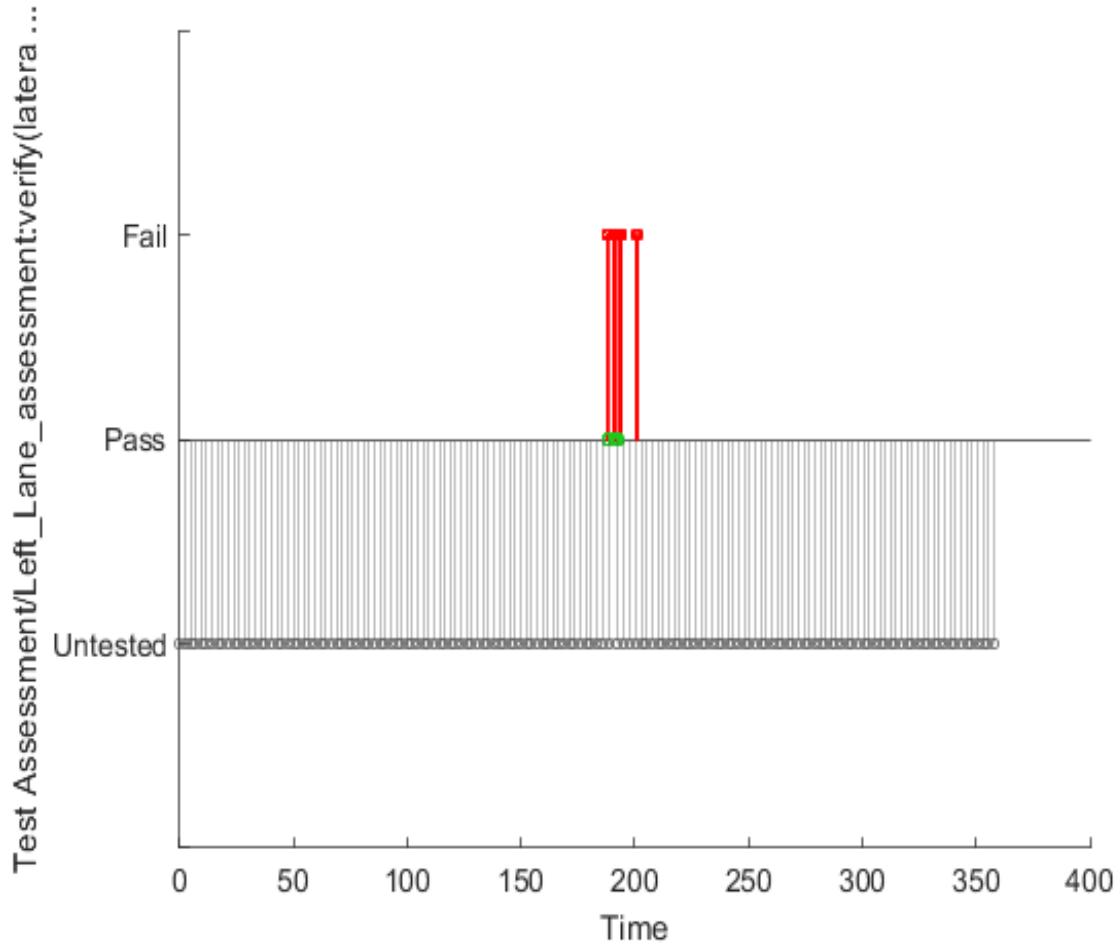
Name: 180° 10km/h  
Type: Simulation Test

## Verify Result

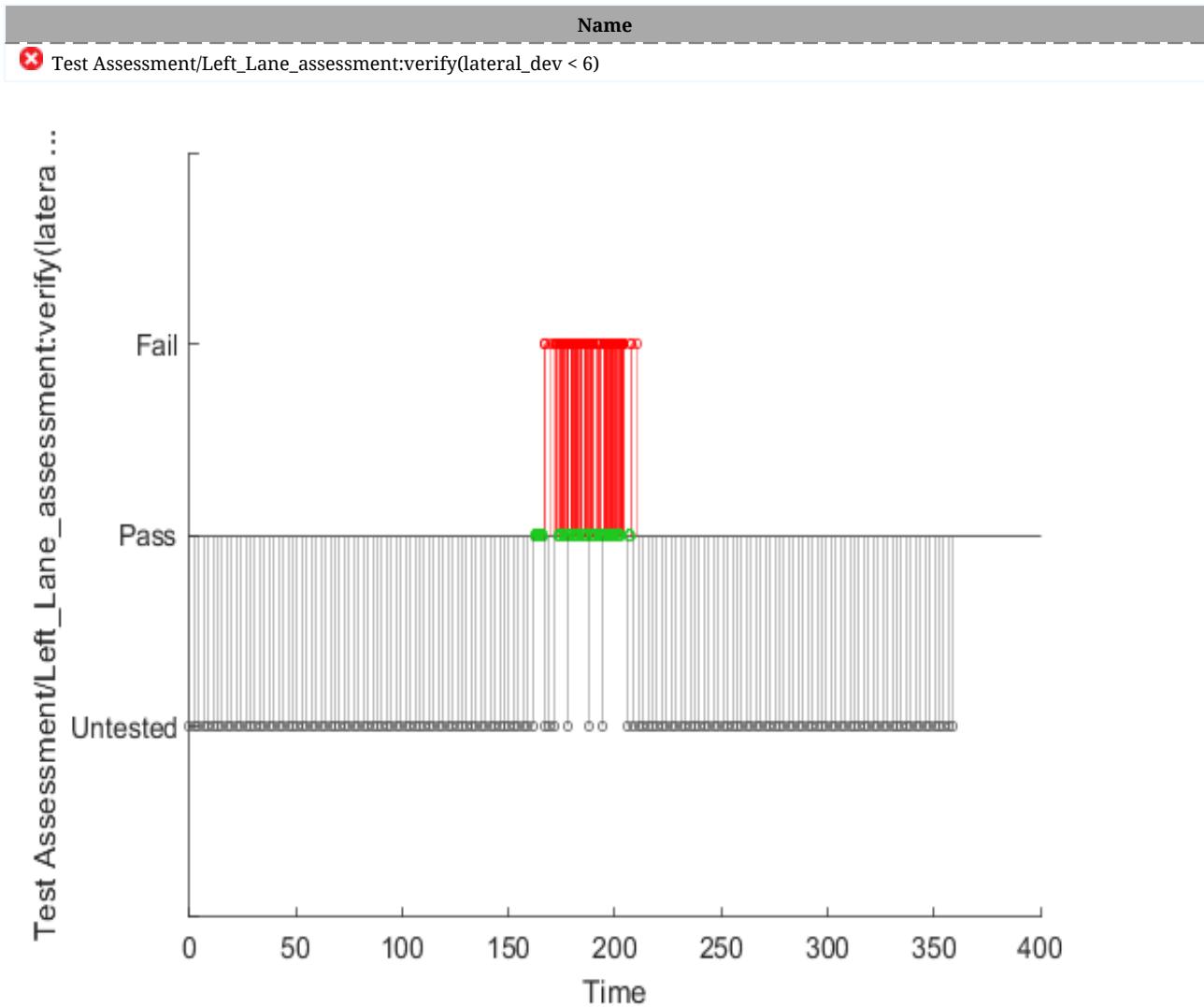
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

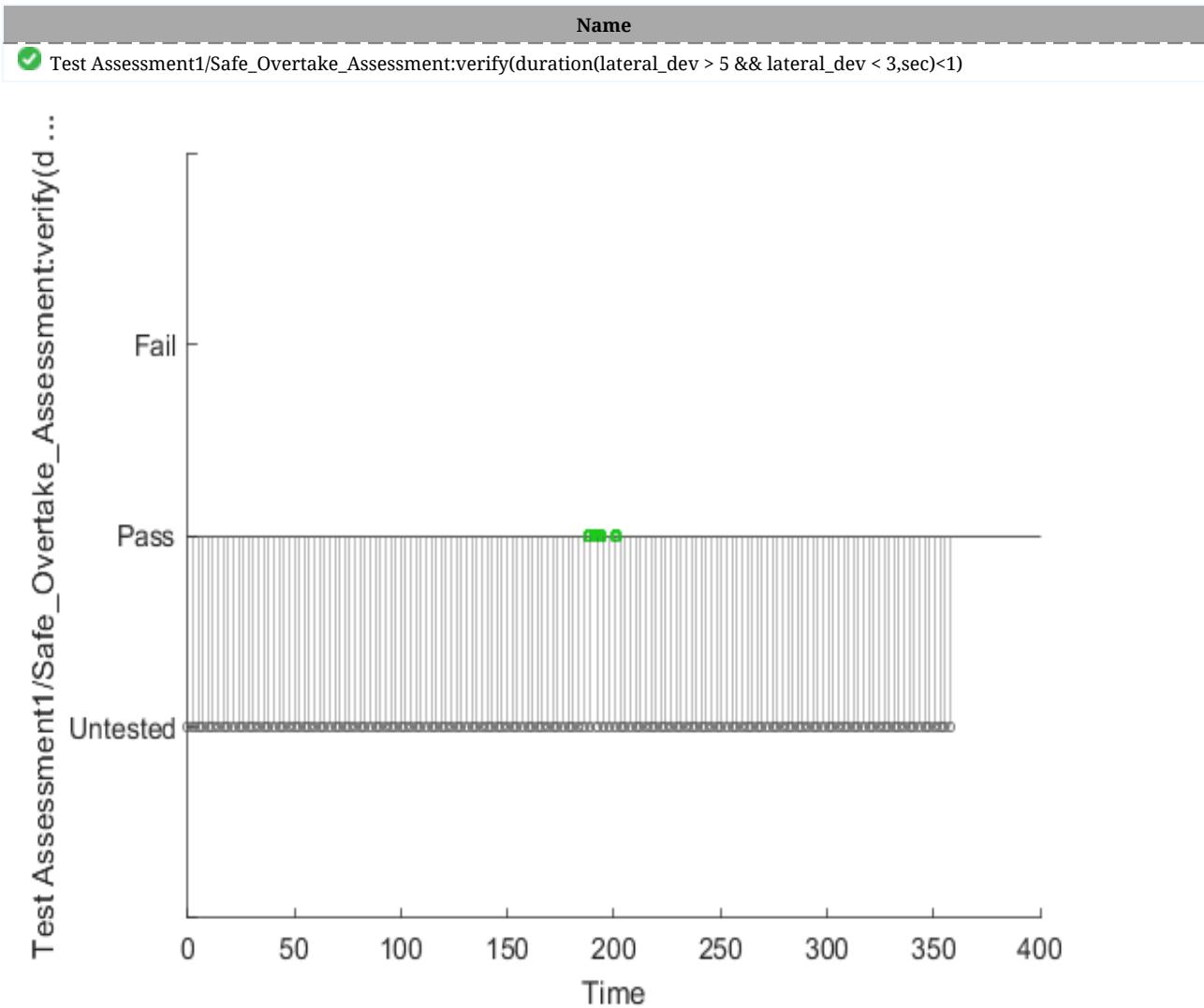
✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



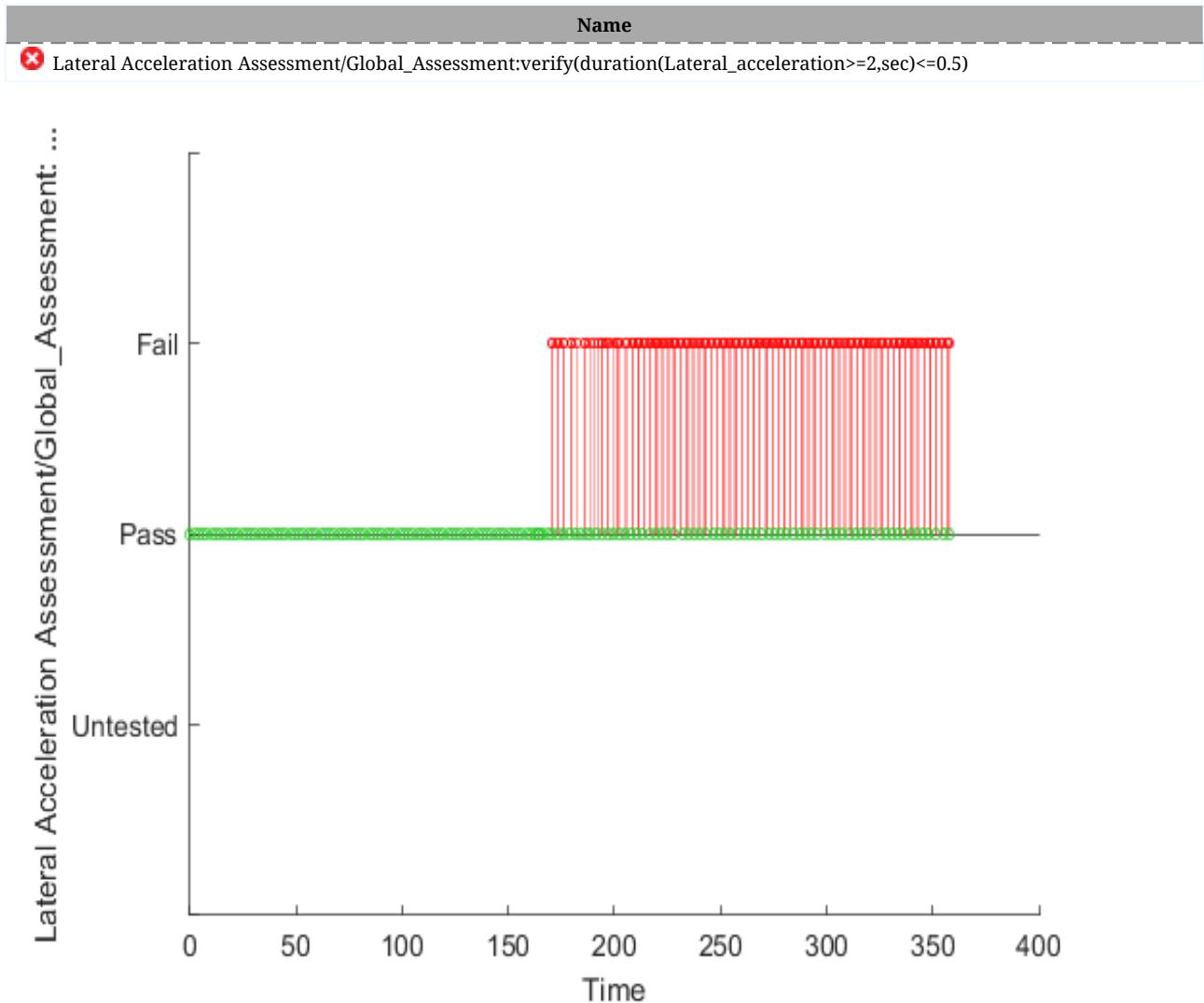
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

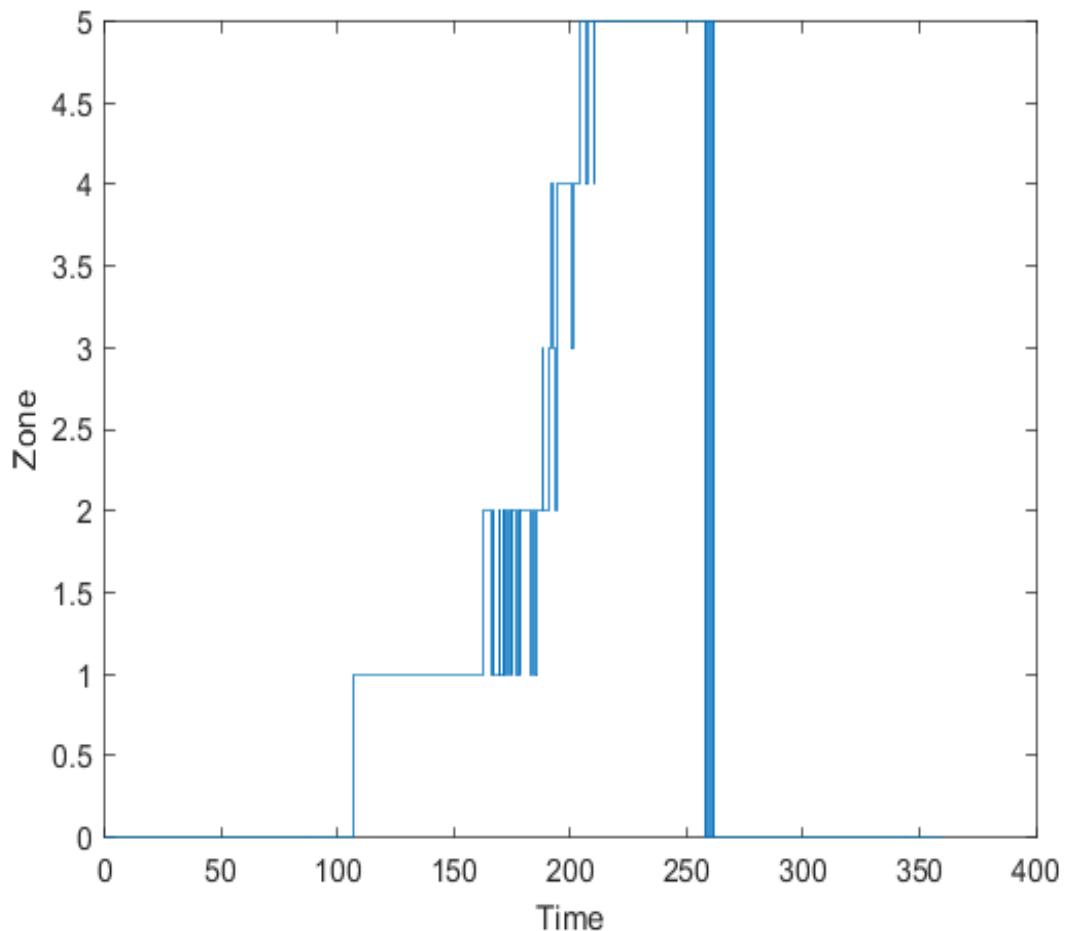
Start Time: 0  
Stop Time: 360  
Checksum: 1279968610 3553656310 3822265545 4181666591

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

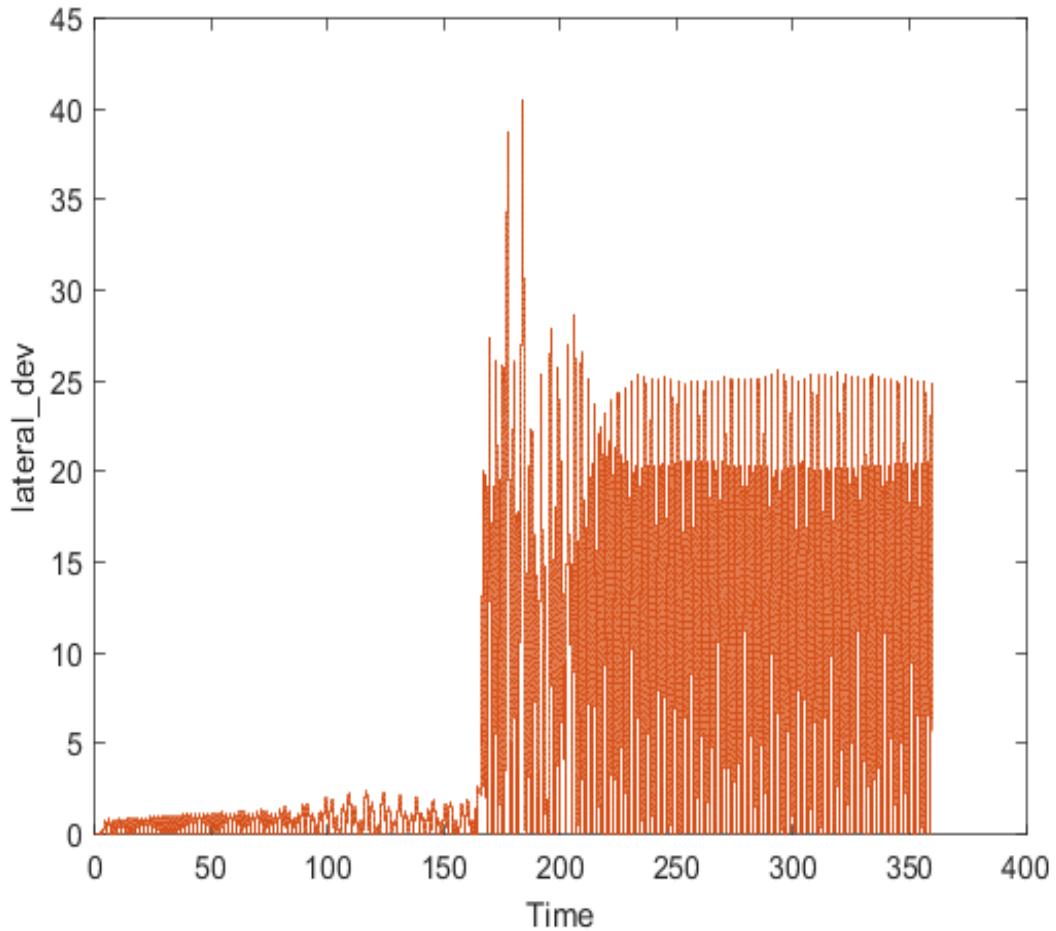
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -20° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 19:33:51  
End Time: 19-May-2021 19:37:09  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

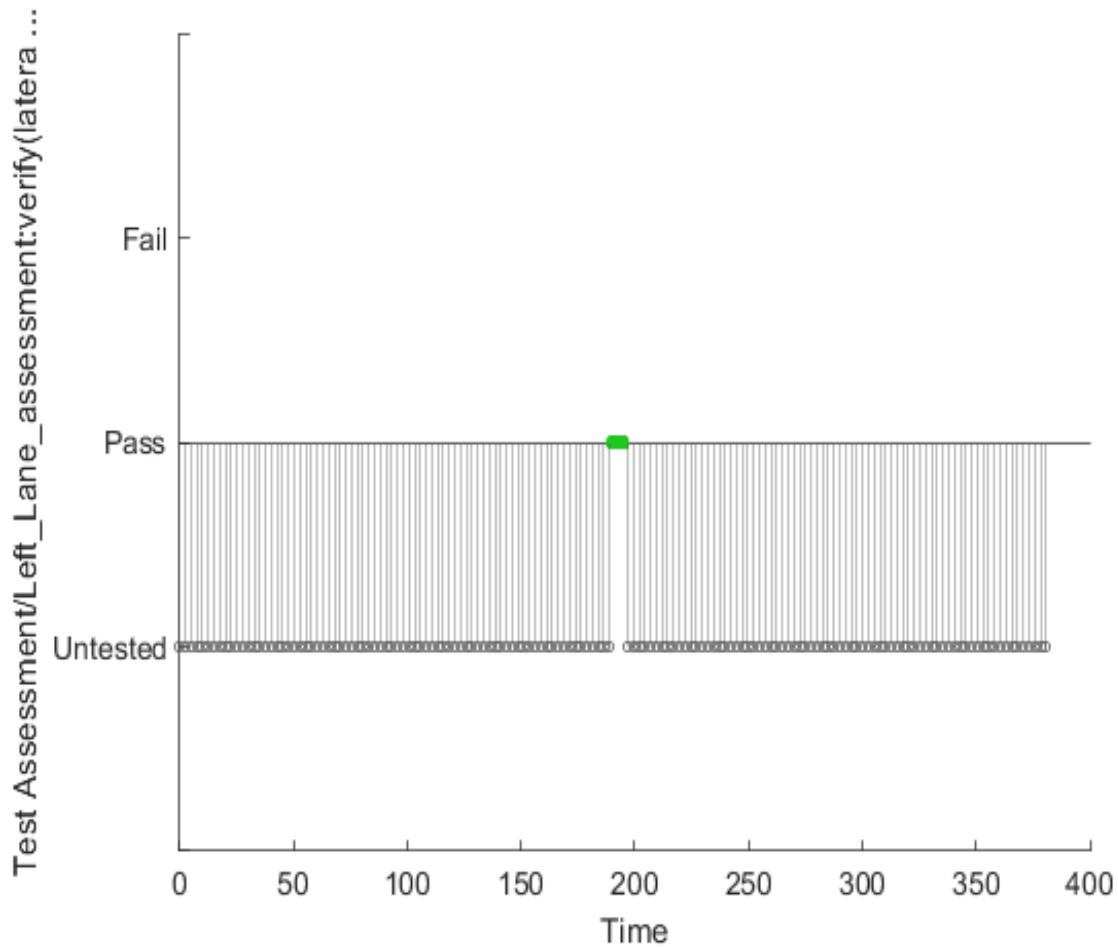
Name: -20° 10km/h  
Type: Simulation Test

## Verify Result

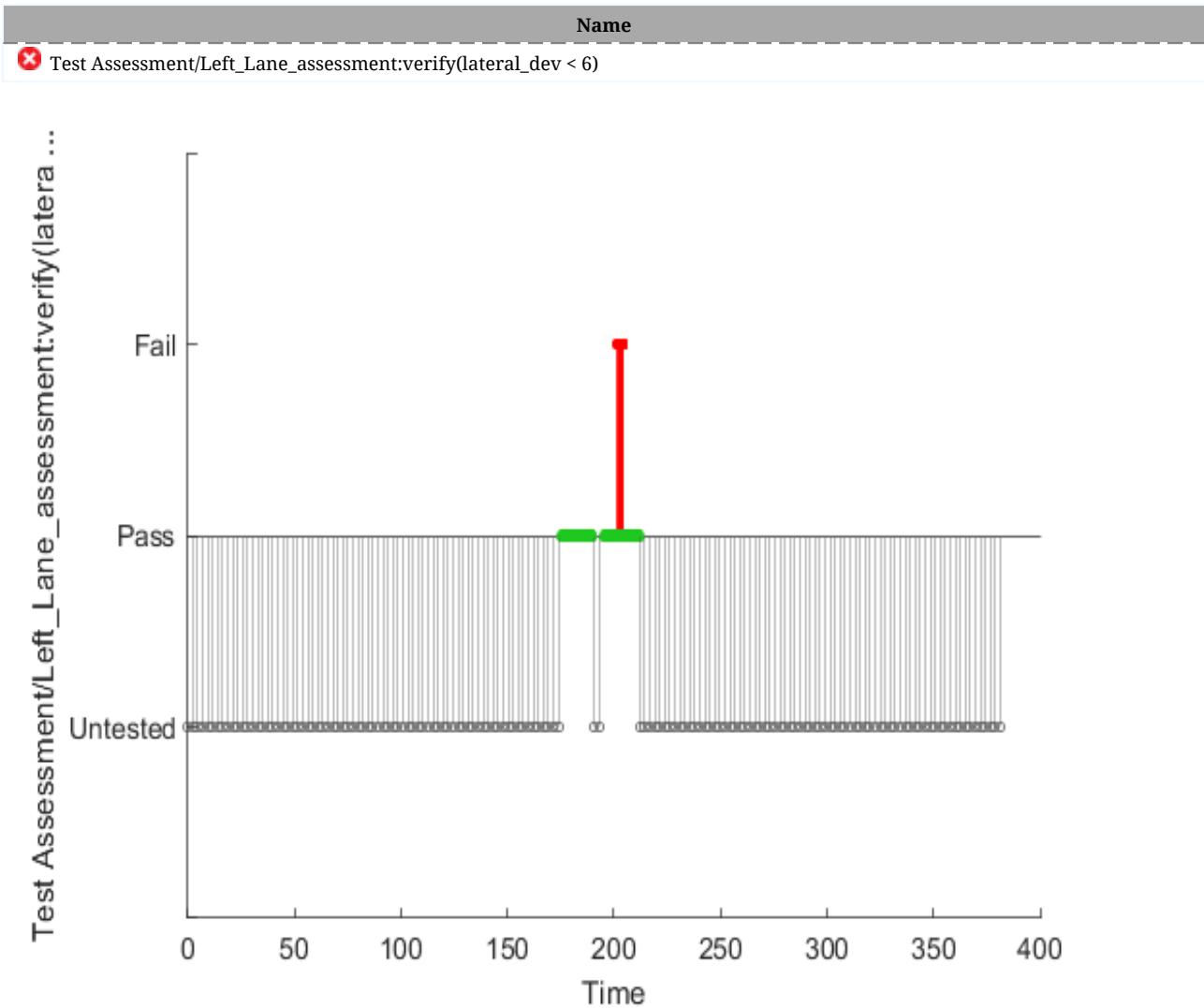
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

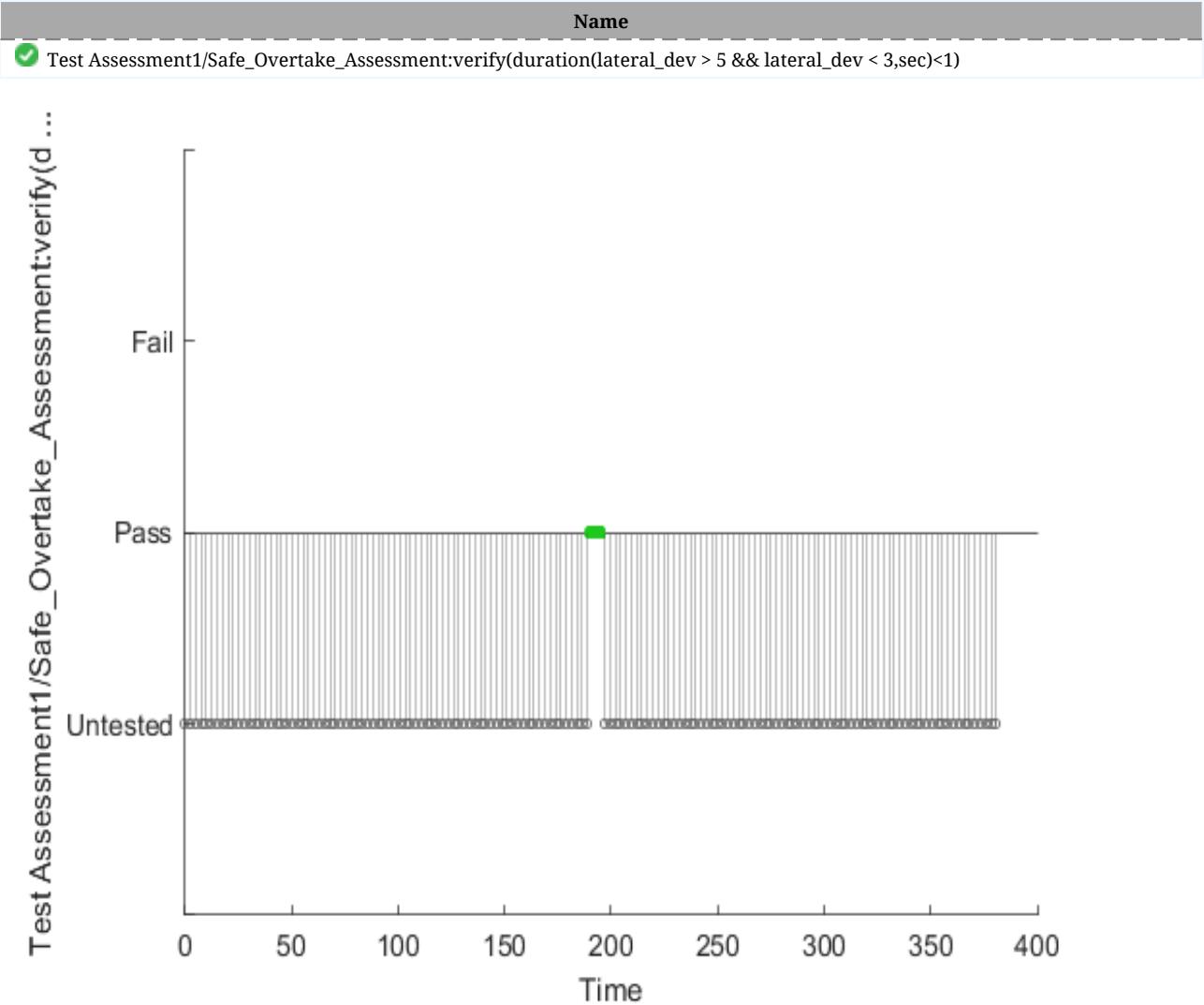
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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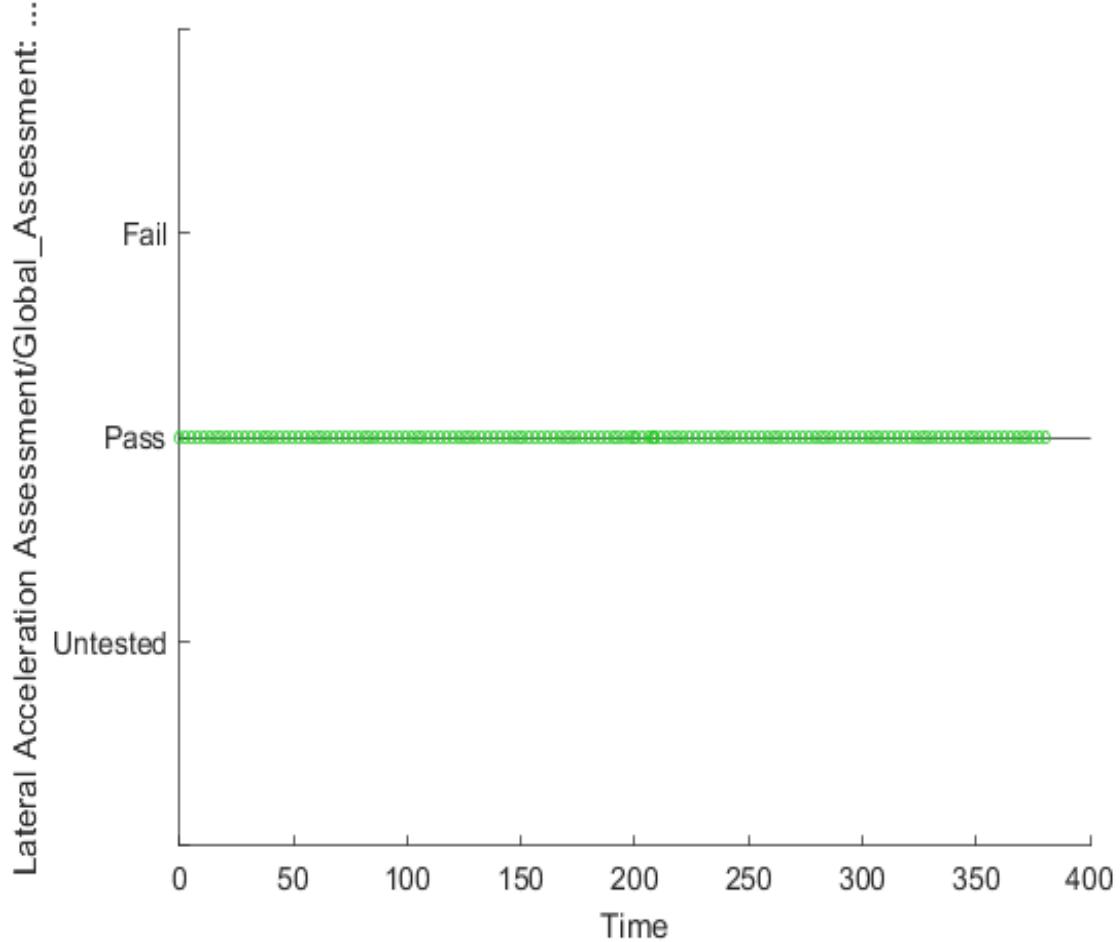


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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

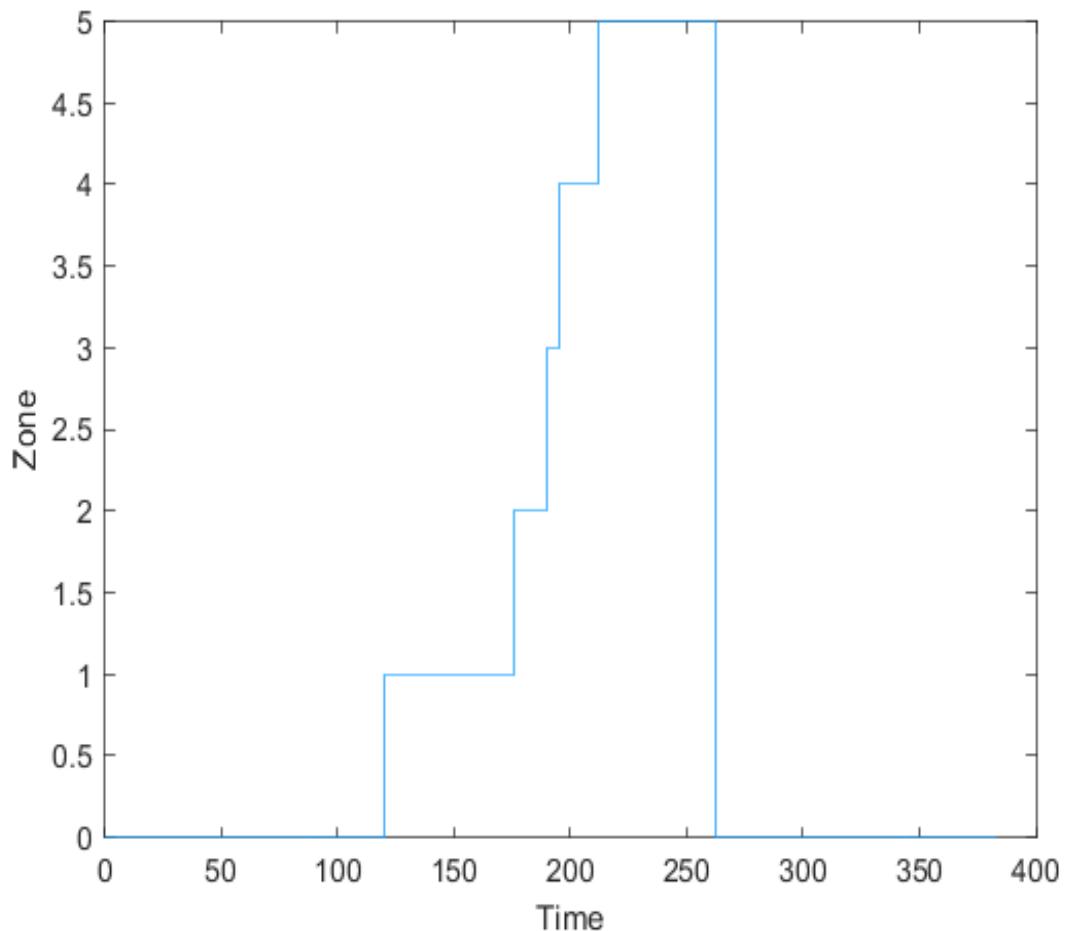
Start Time: 0  
Stop Time: 383.10766319665288  
Checksum: 1682963402 2721441319 4134056361 2702817166

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

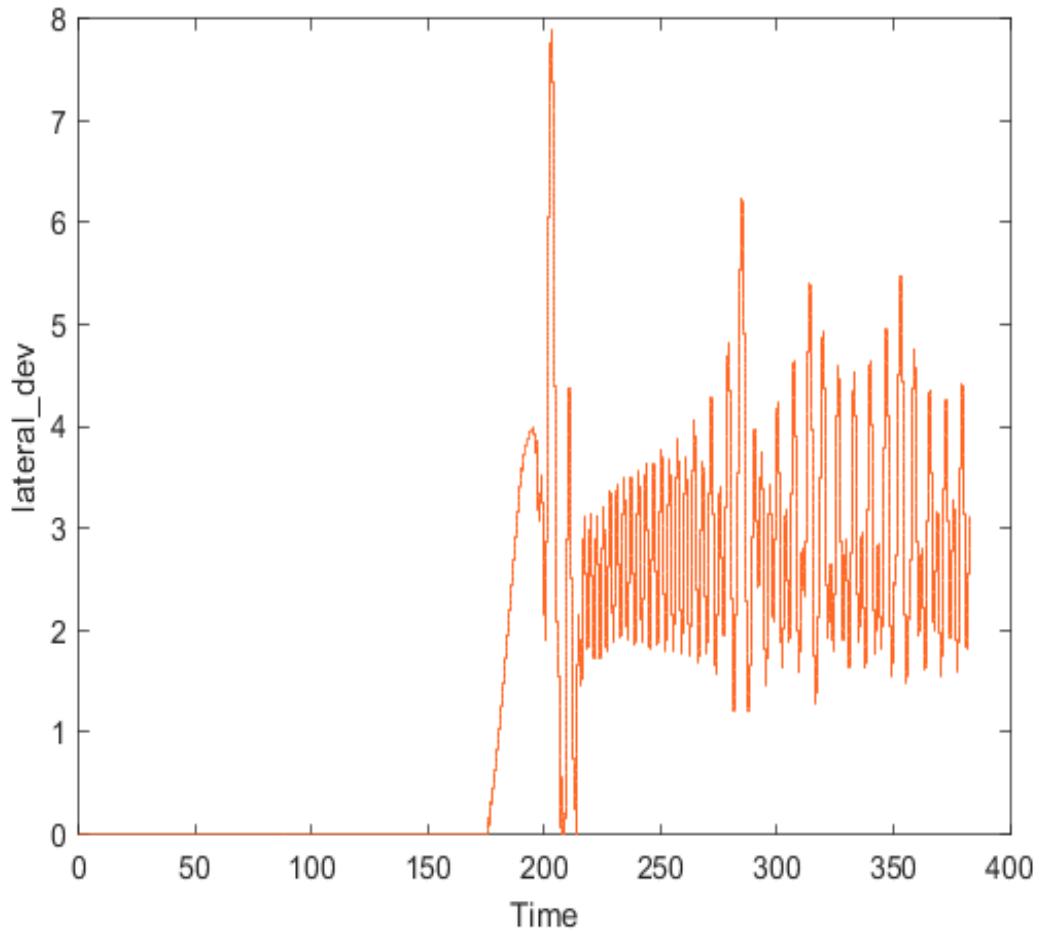
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -45° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 19:37:09  
End Time: 19-May-2021 19:48:12  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

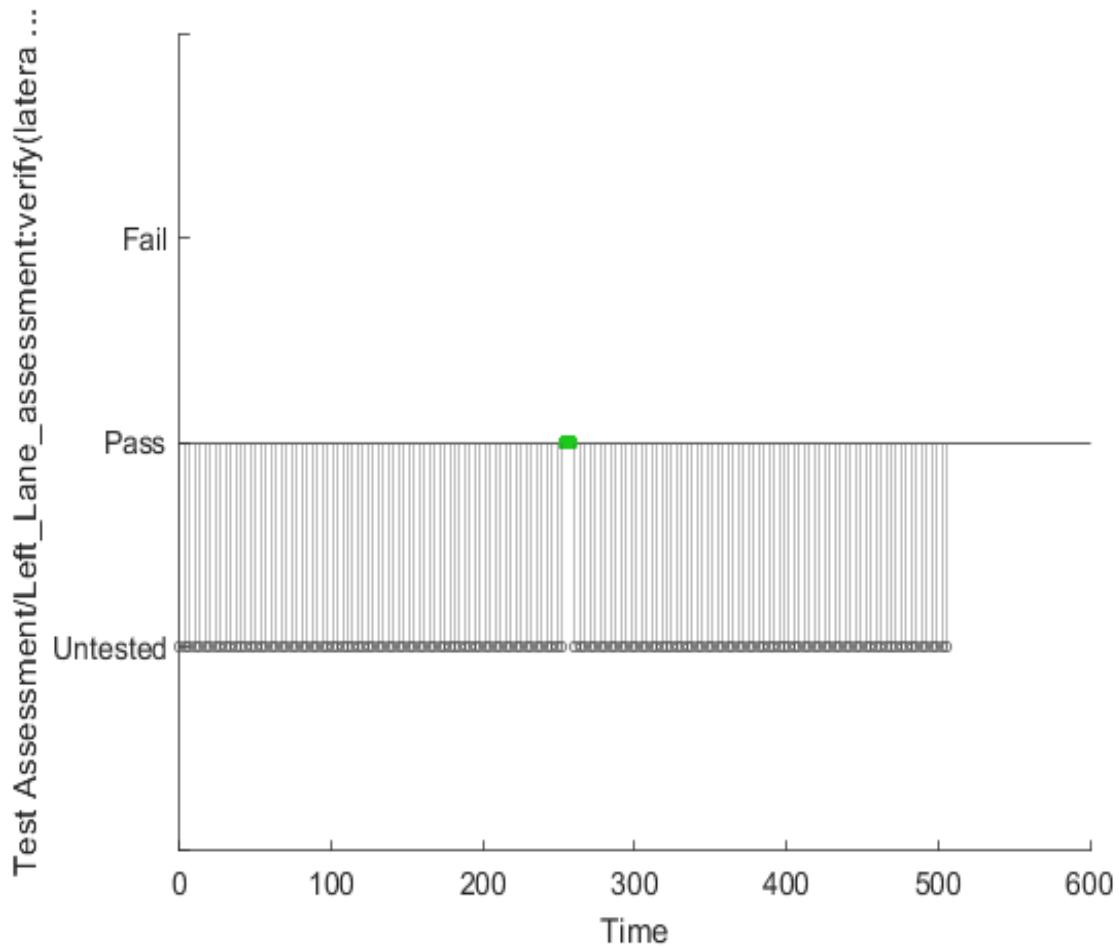
Name: -45° 10km/h  
Type: Simulation Test

## Verify Result

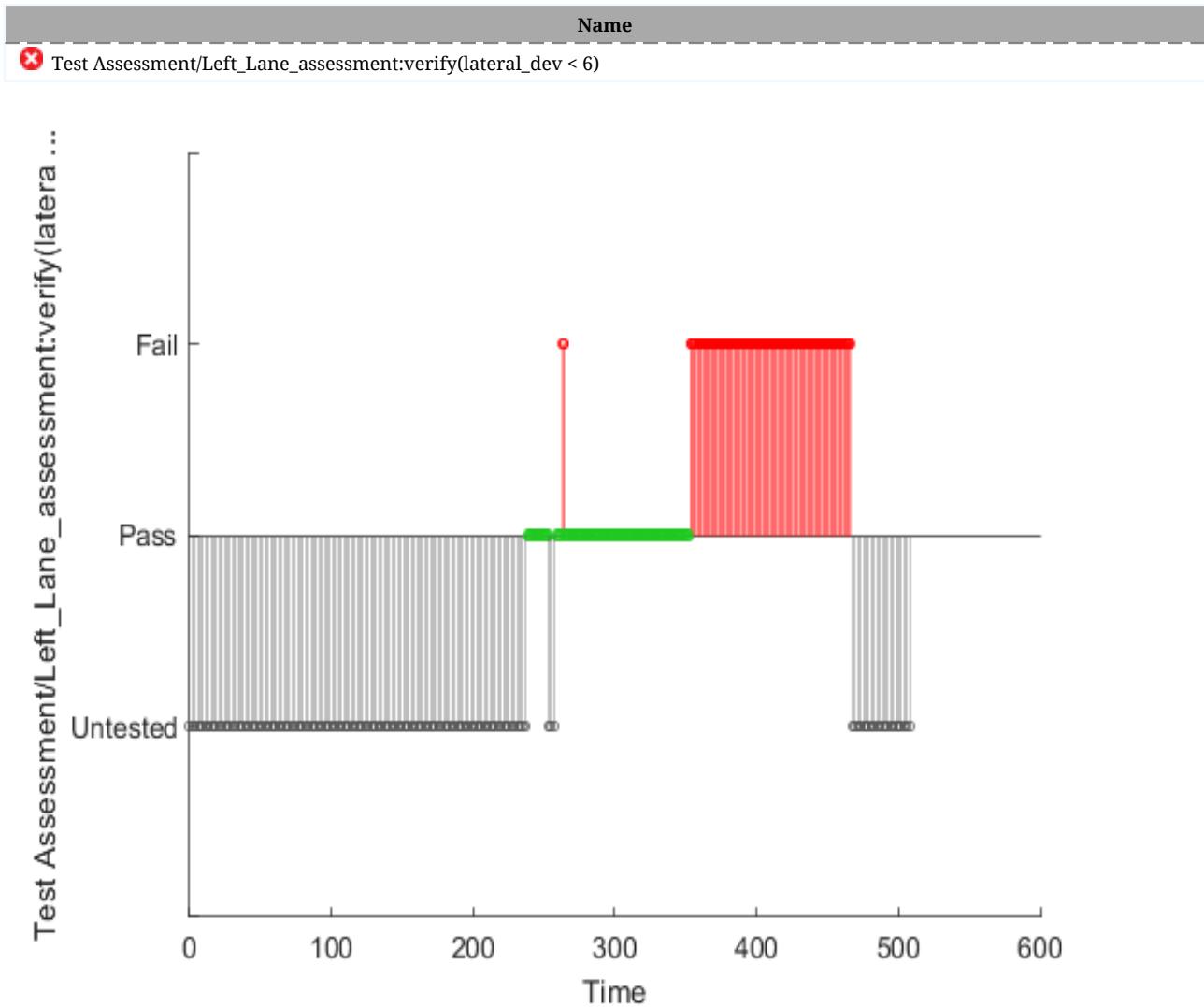
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



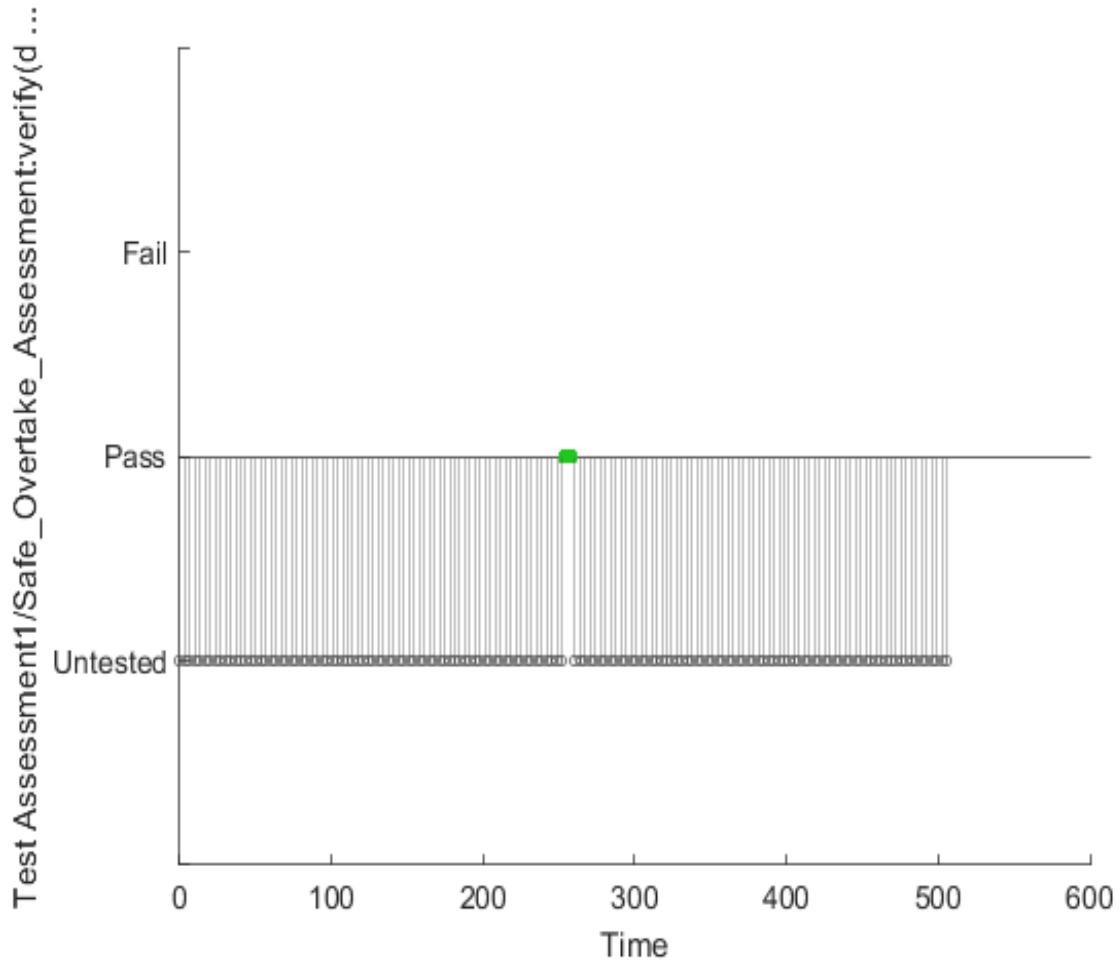
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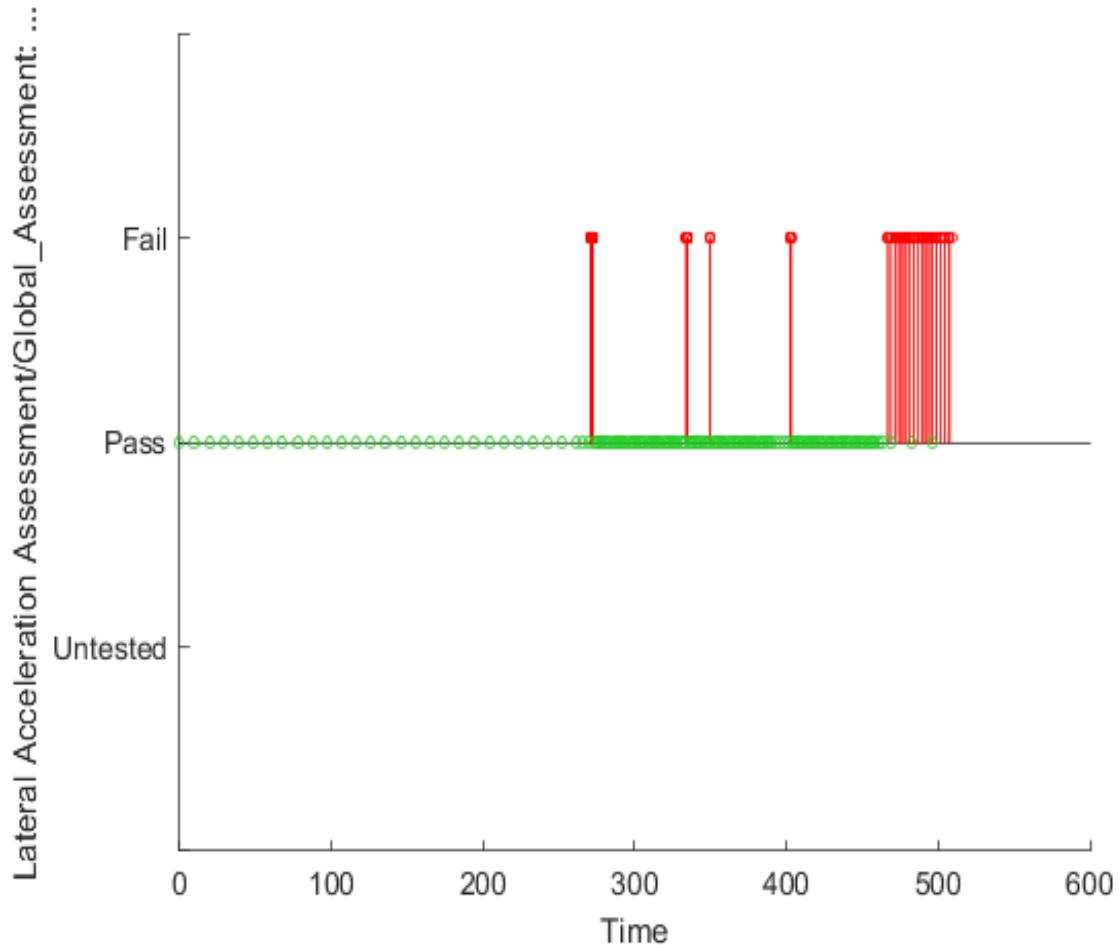
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✖ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

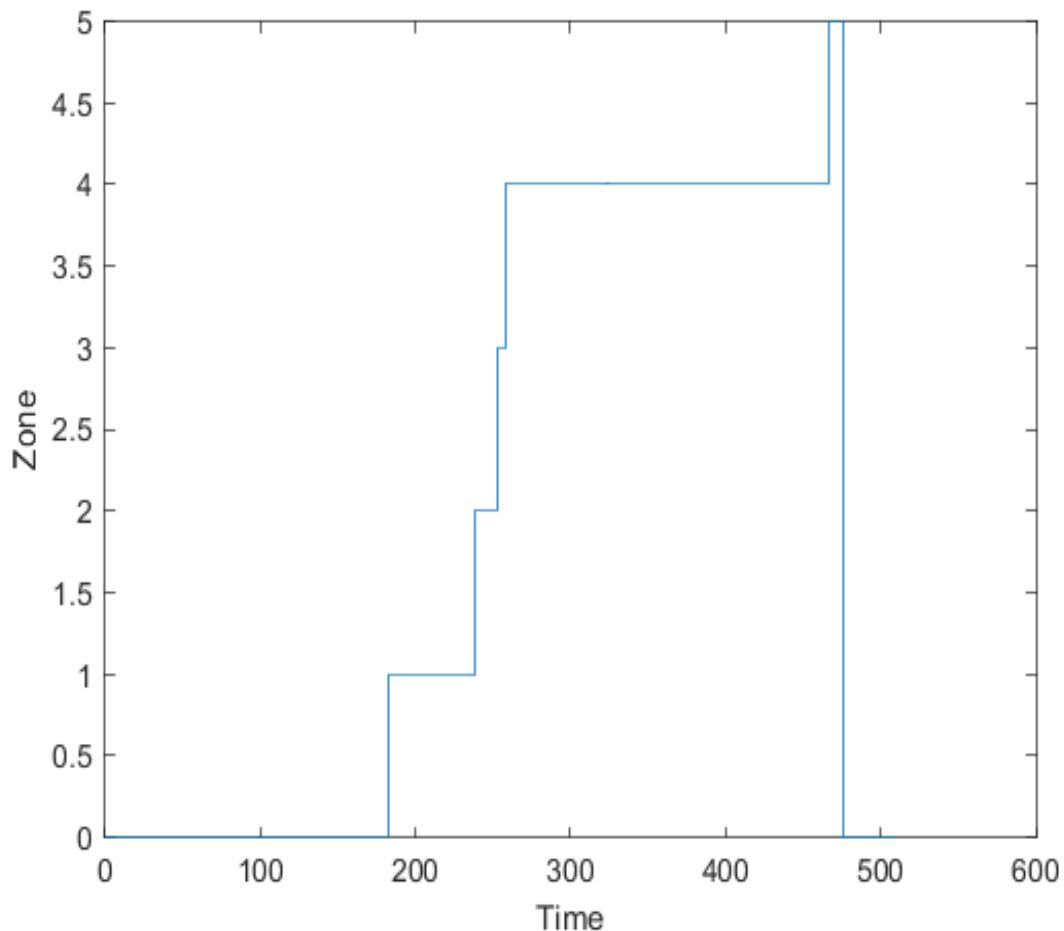
Start Time: 0  
Stop Time: 509.11688245431424  
Checksum: 1270937627 536974784 78647280 2615227783

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

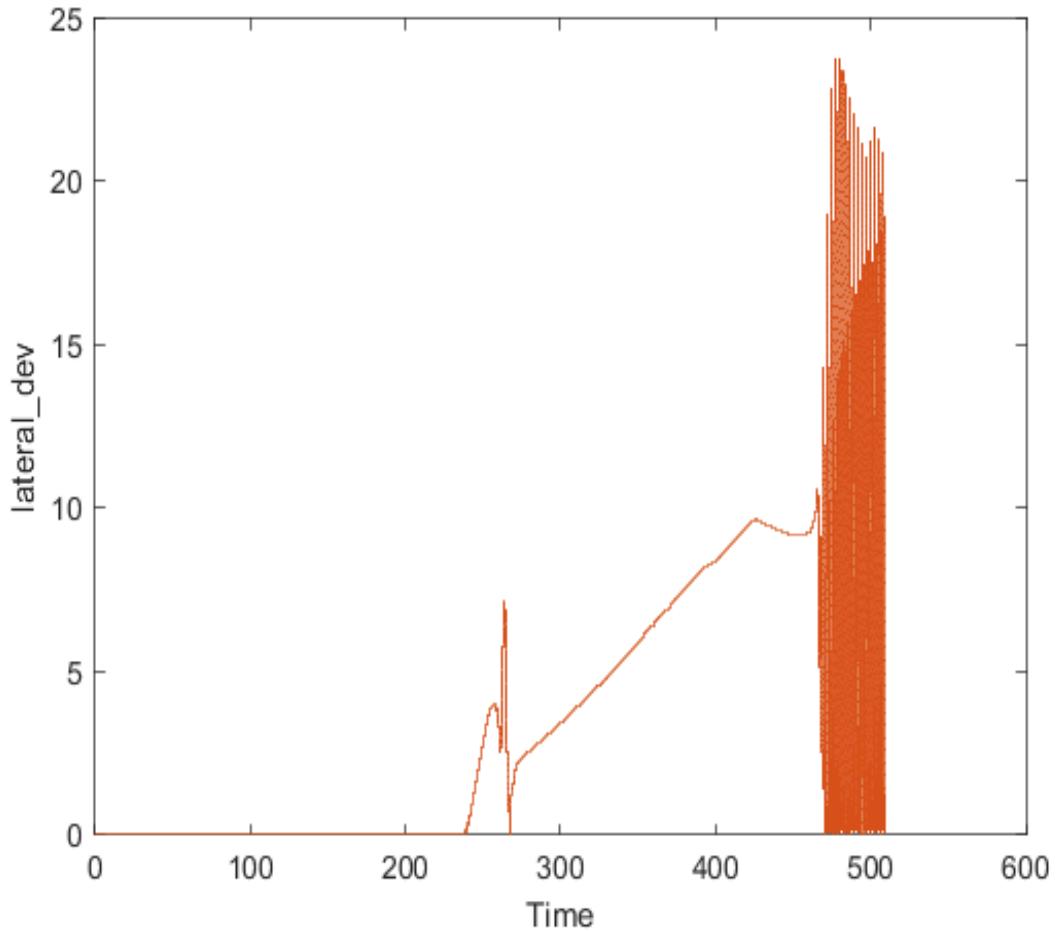
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -70° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 19:48:12  
End Time: 19-May-2021 20:02:07  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

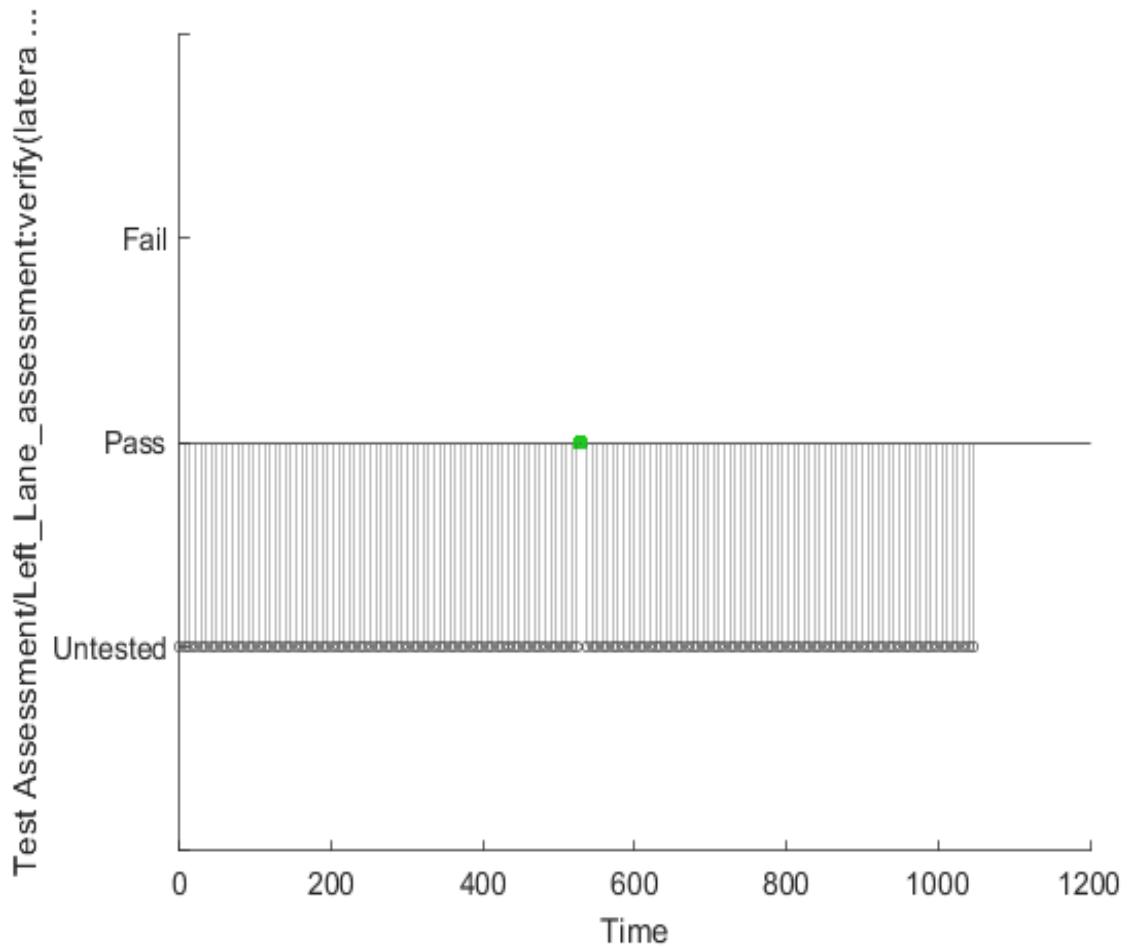
Name: -70° 10km/h  
Type: Simulation Test

## Verify Result

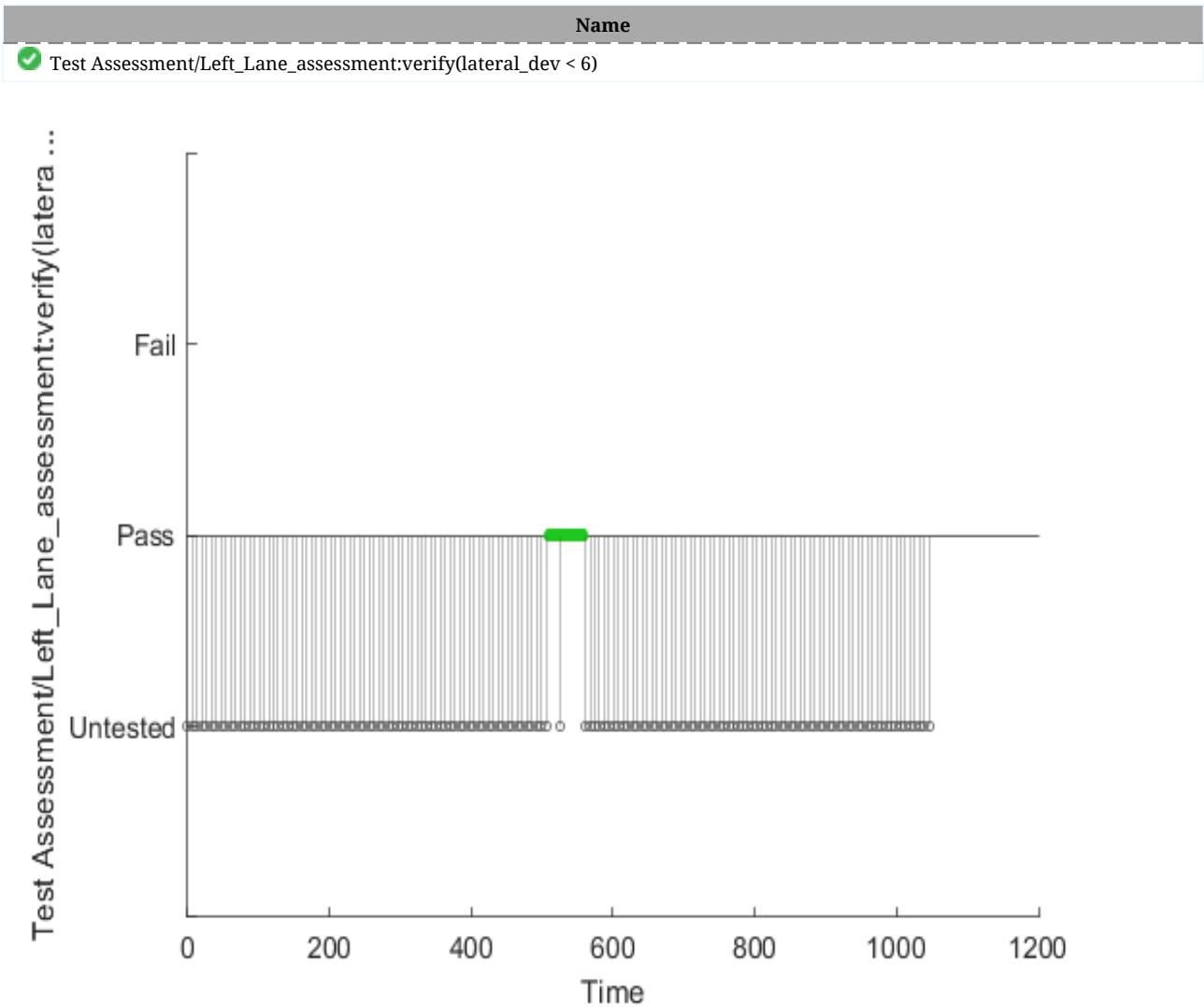
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



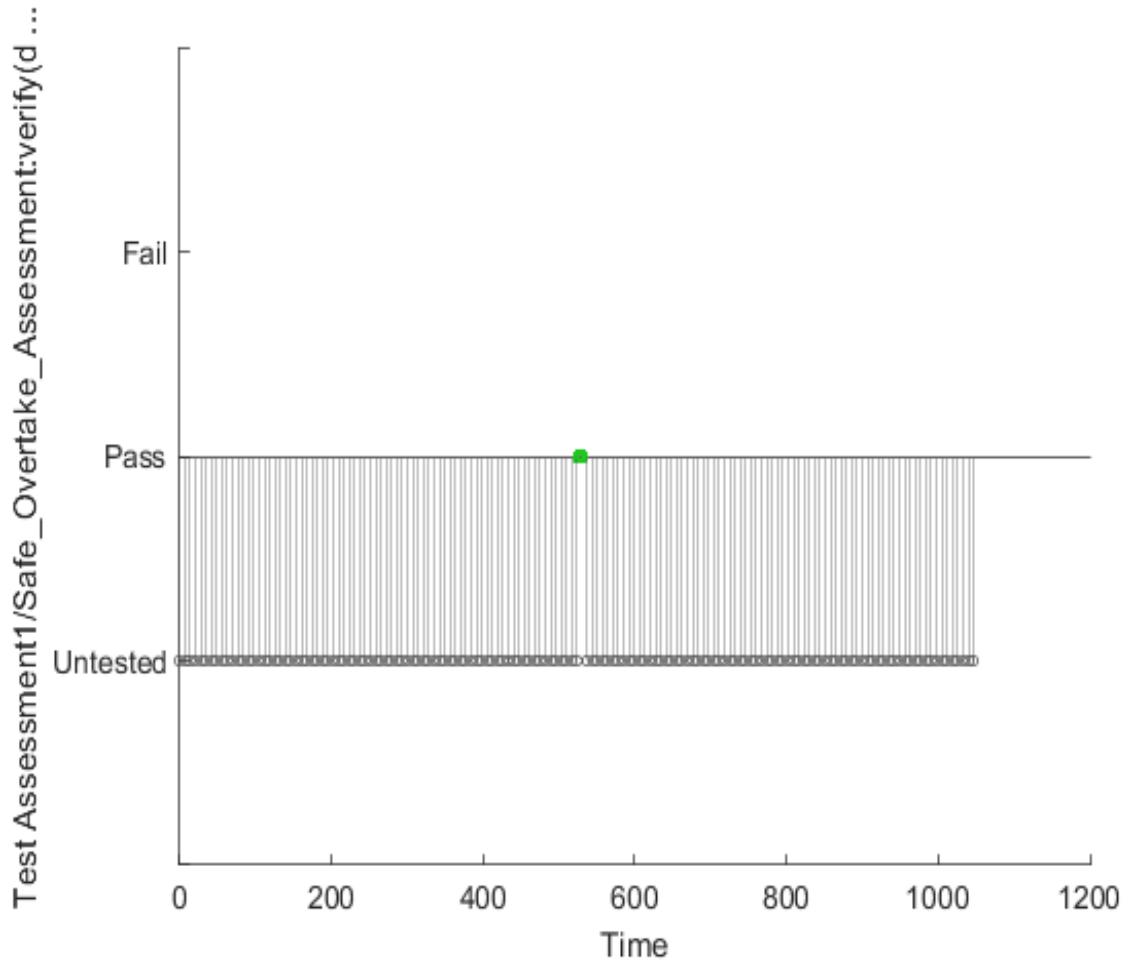
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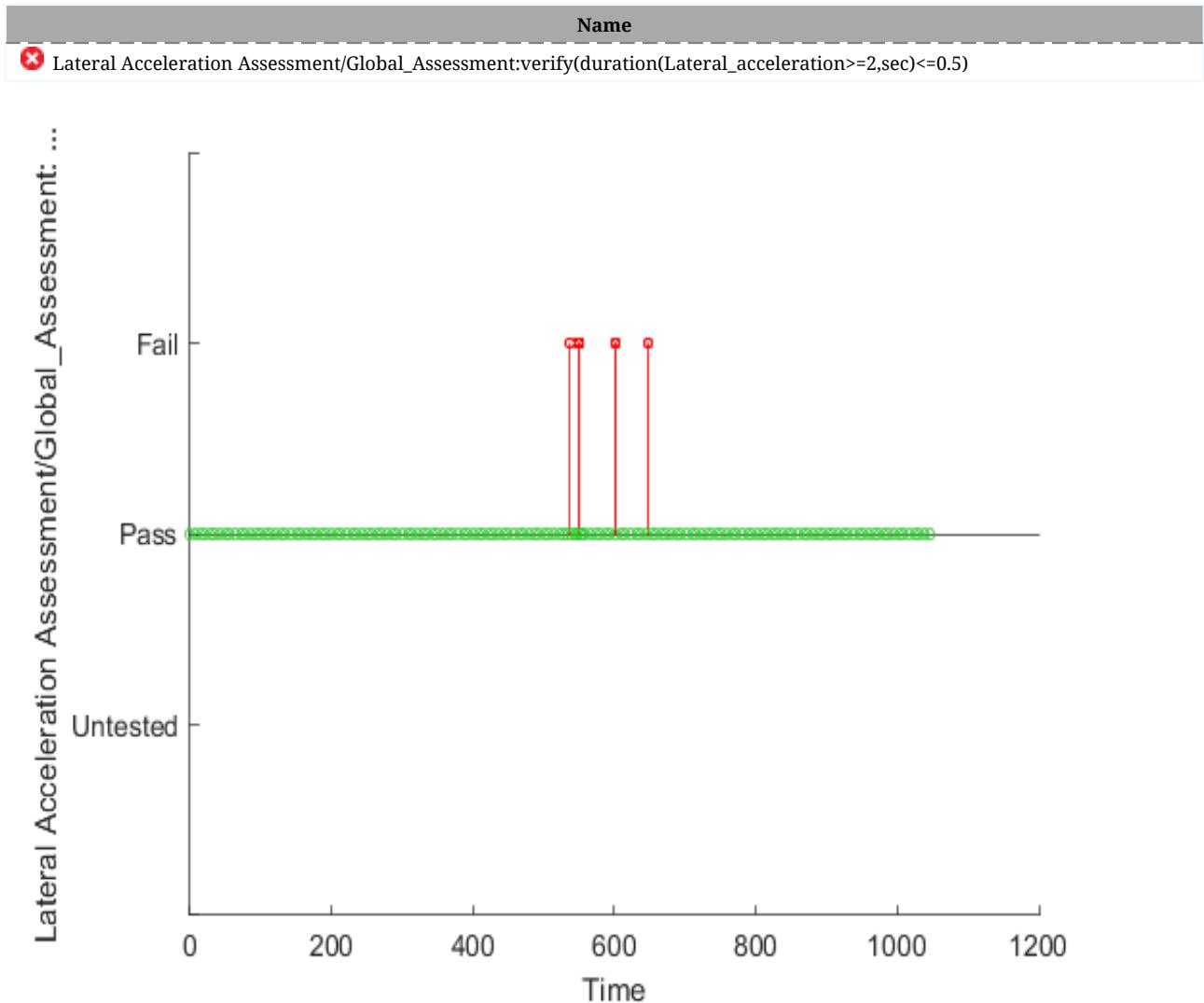
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

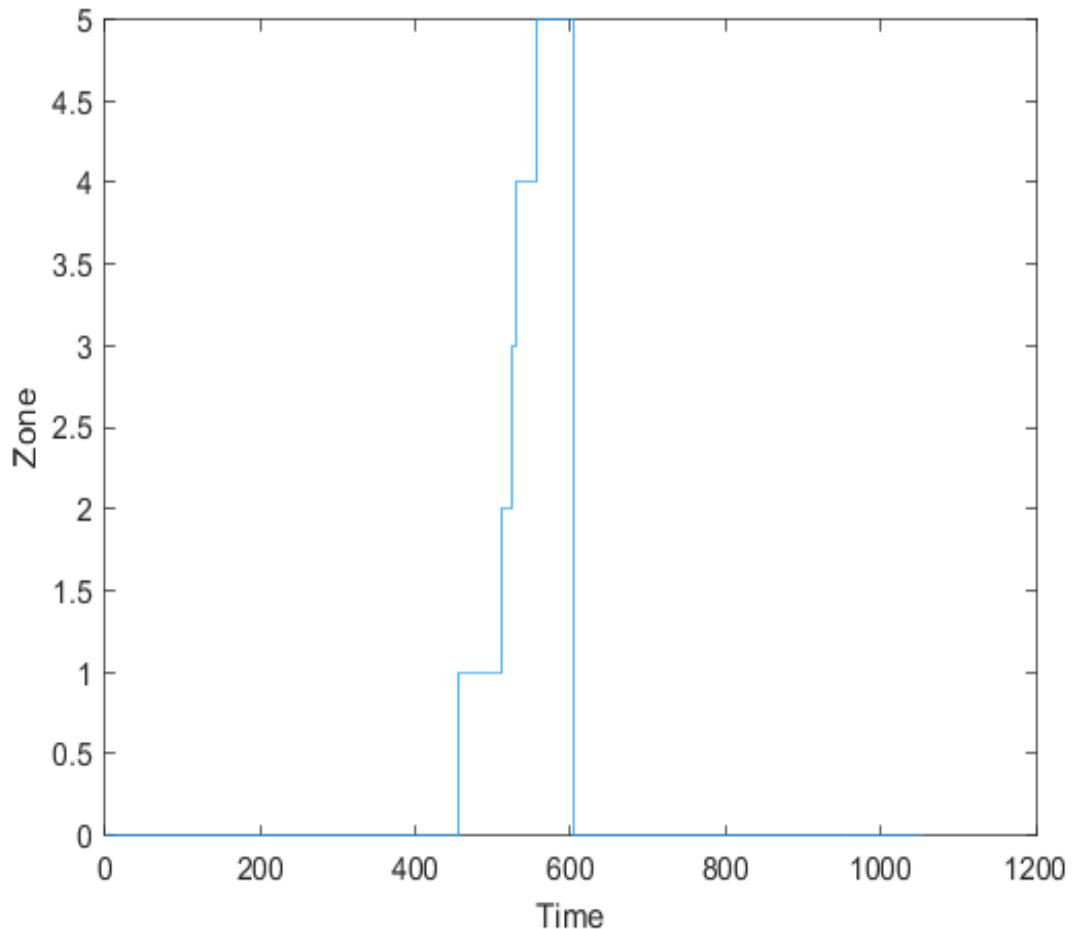
Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 1052.4080797865438  
Checksum: 336204076 1192216309 3640701965 1304137277

## Simulation Output

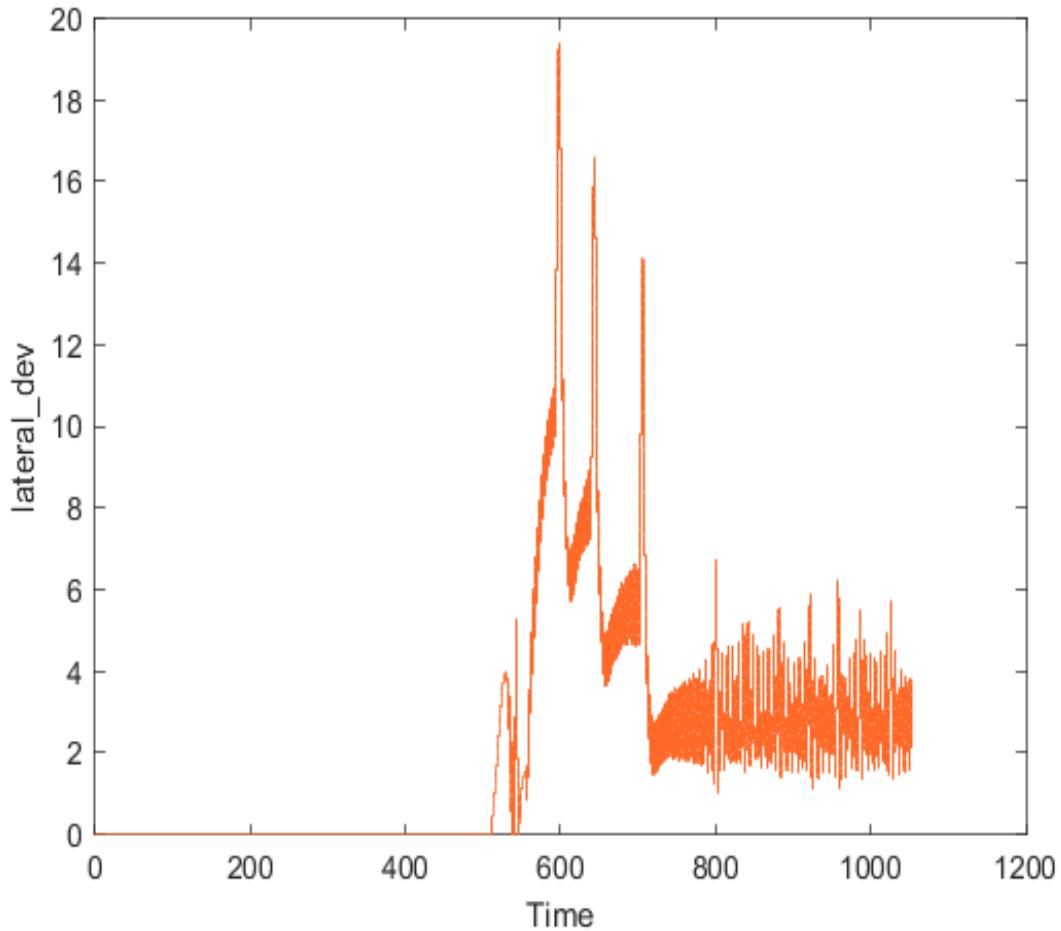
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

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



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



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## -90° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 20:02:07  
End Time: 19-May-2021 20:05:07  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

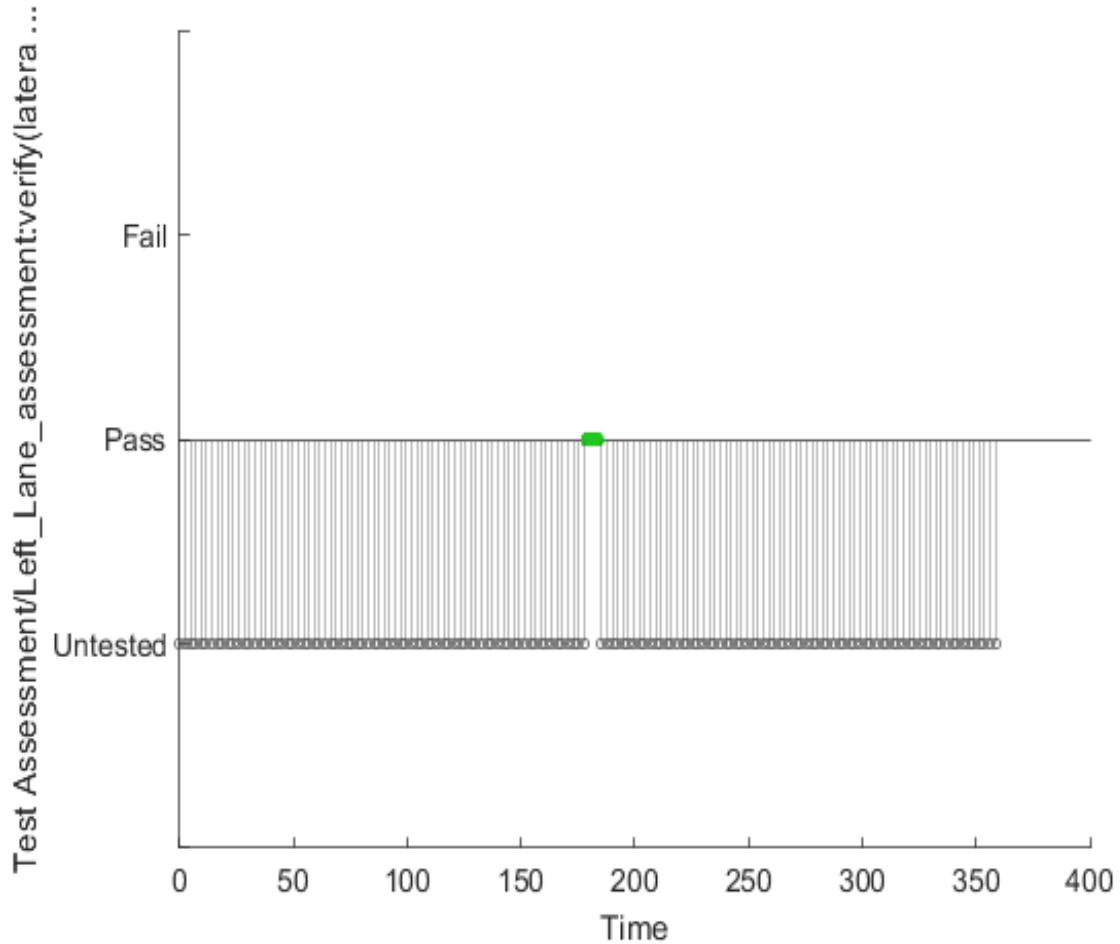
Name: -90° 10km/h  
Type: Simulation Test

## Verify Result

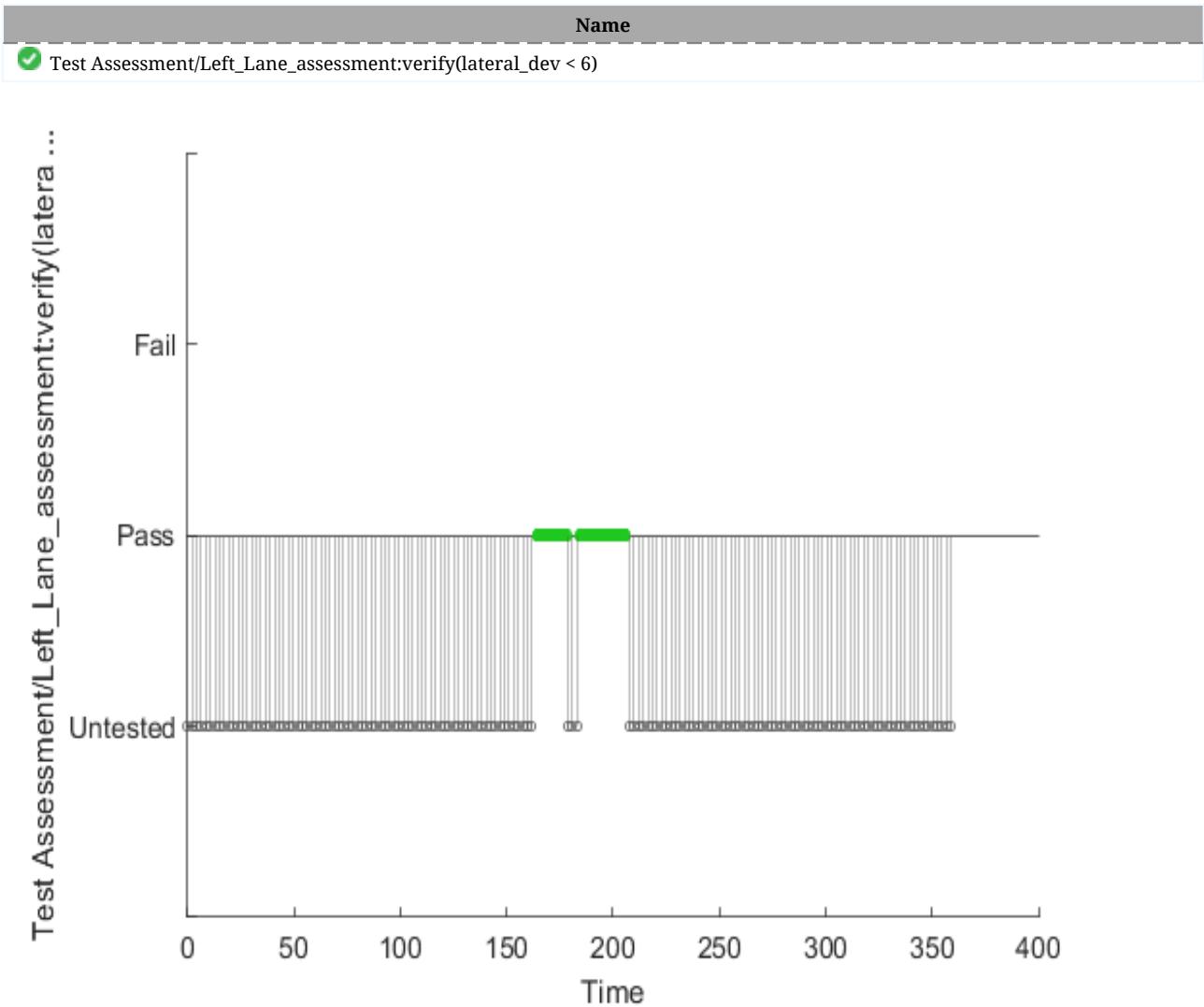
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



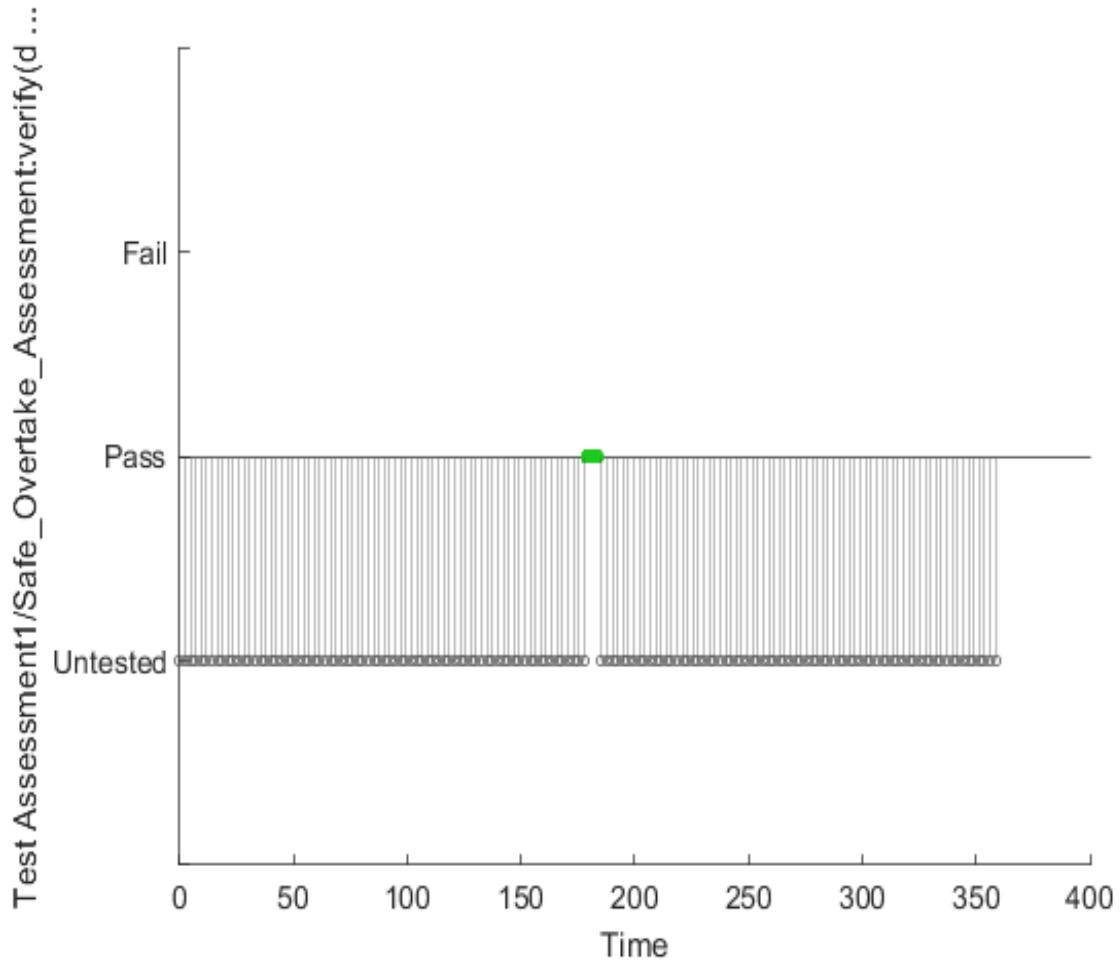
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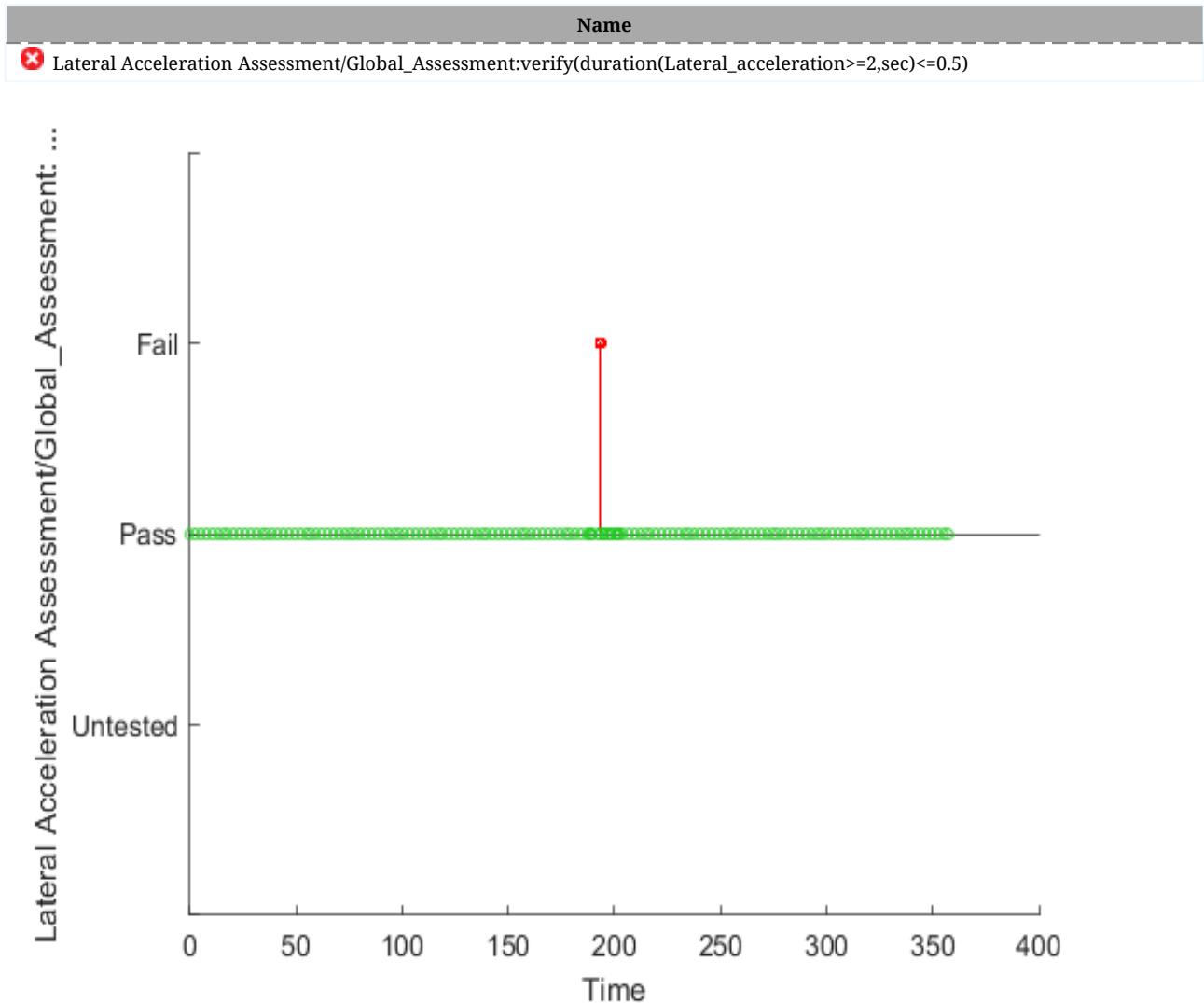
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

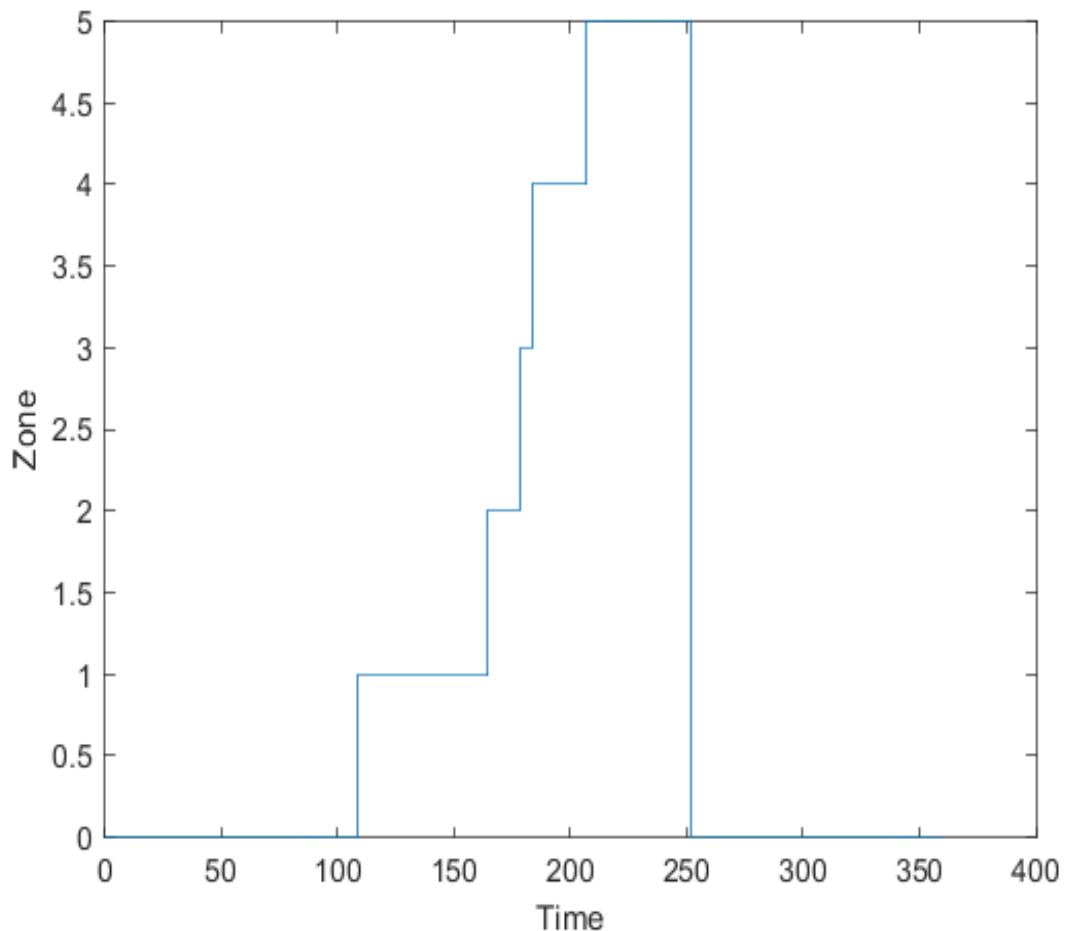
Start Time: 0  
Stop Time: 360  
Checksum: 1279968610 3553656310 3822265545 4181666591

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

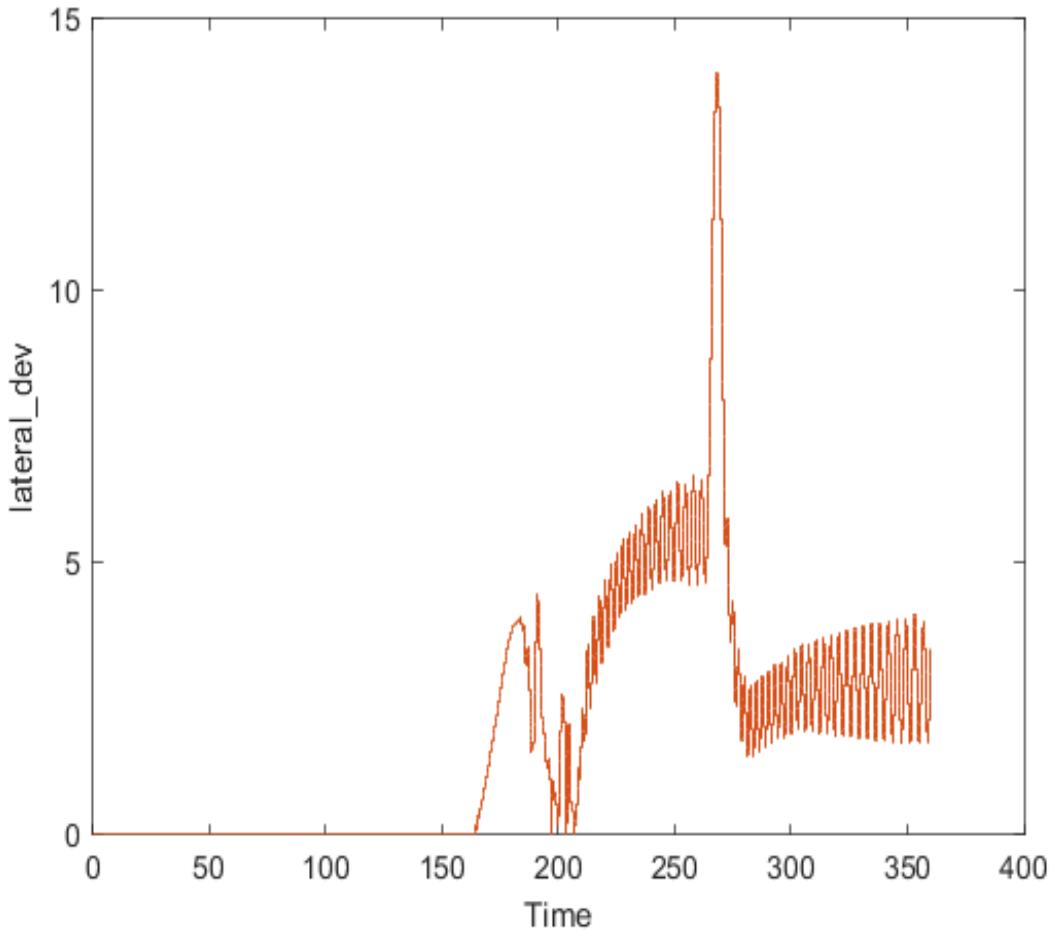
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -110° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 20:05:07  
End Time: 19-May-2021 20:08:35  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

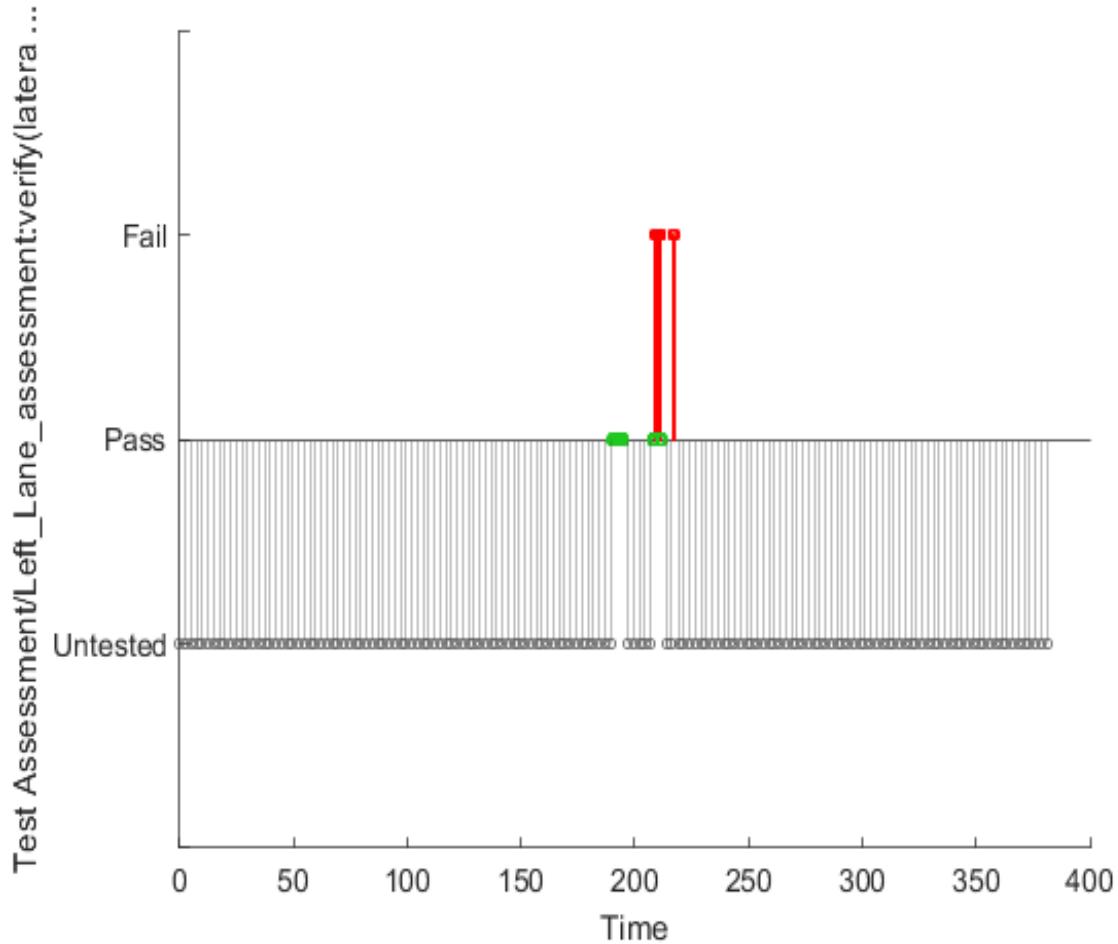
Name: -110° 10km/h  
Type: Simulation Test

## Verify Result

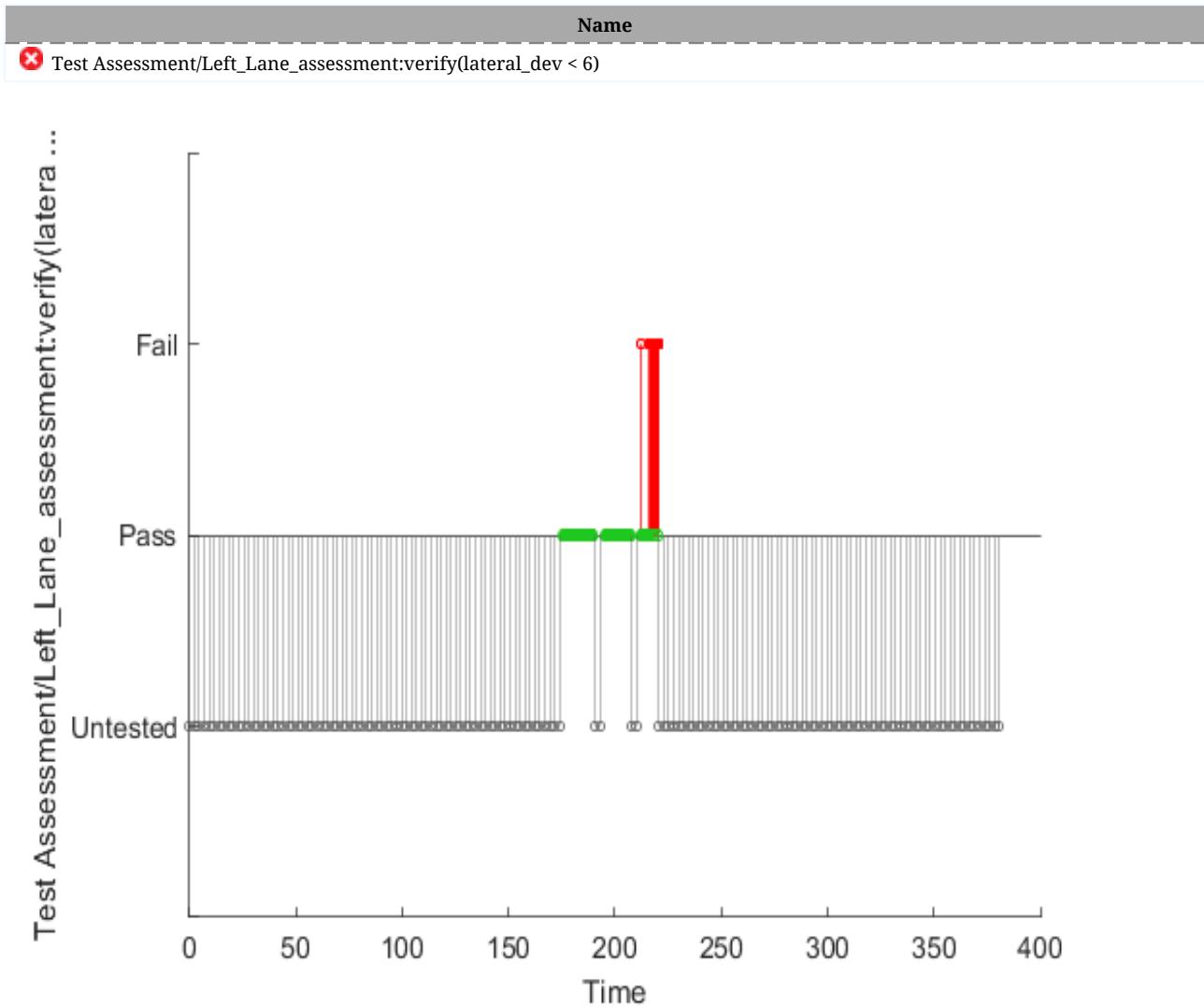
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

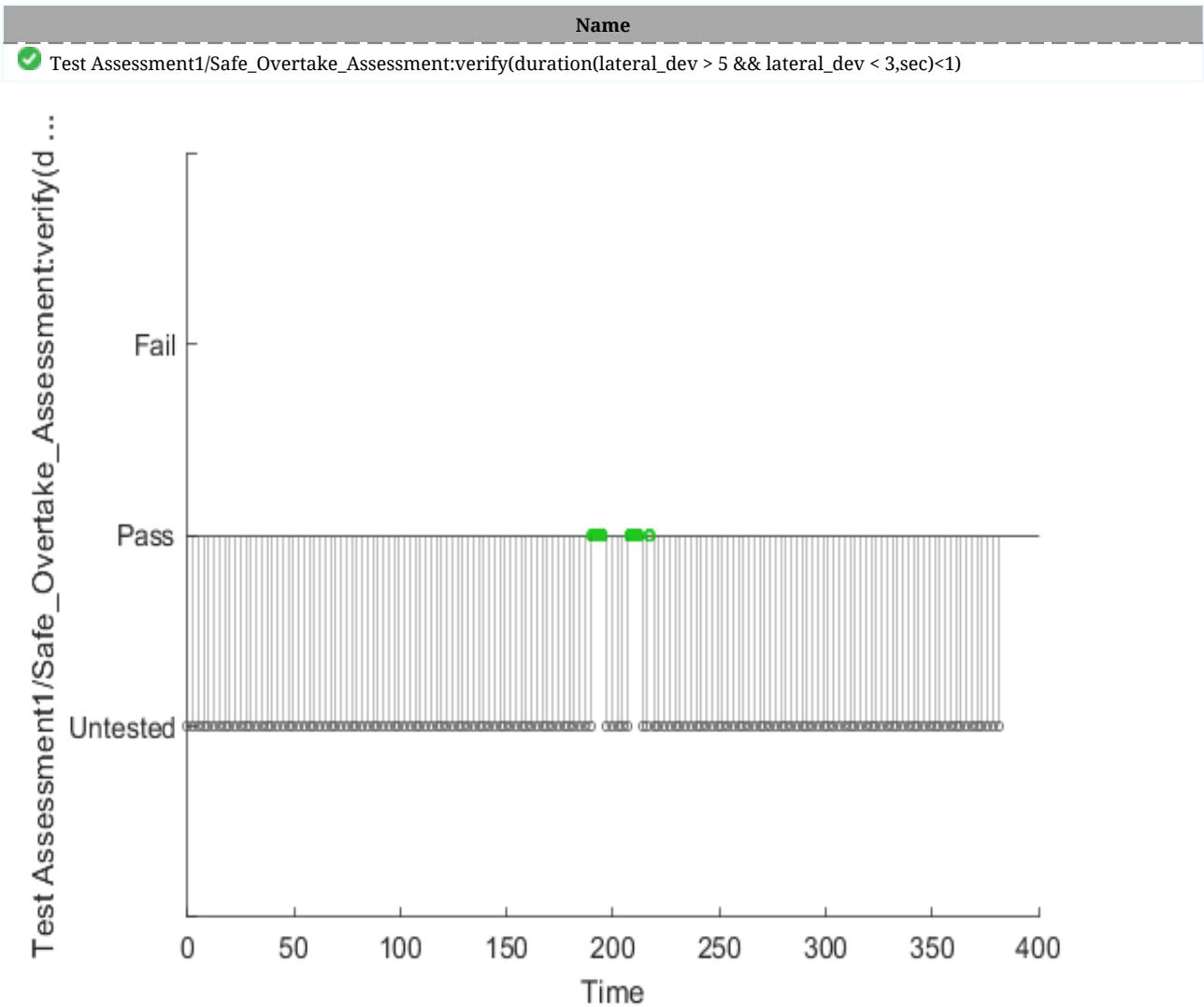
✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



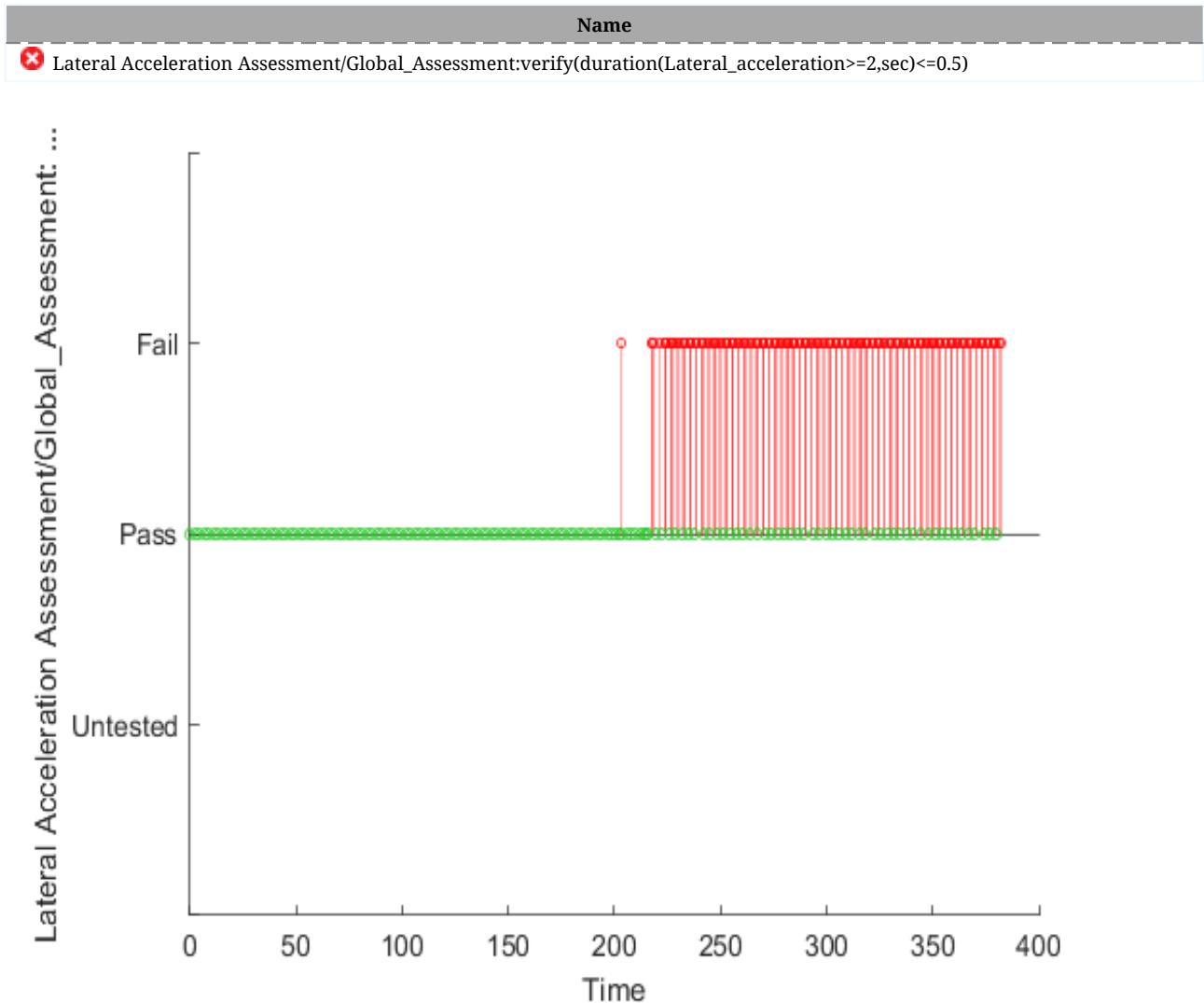
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

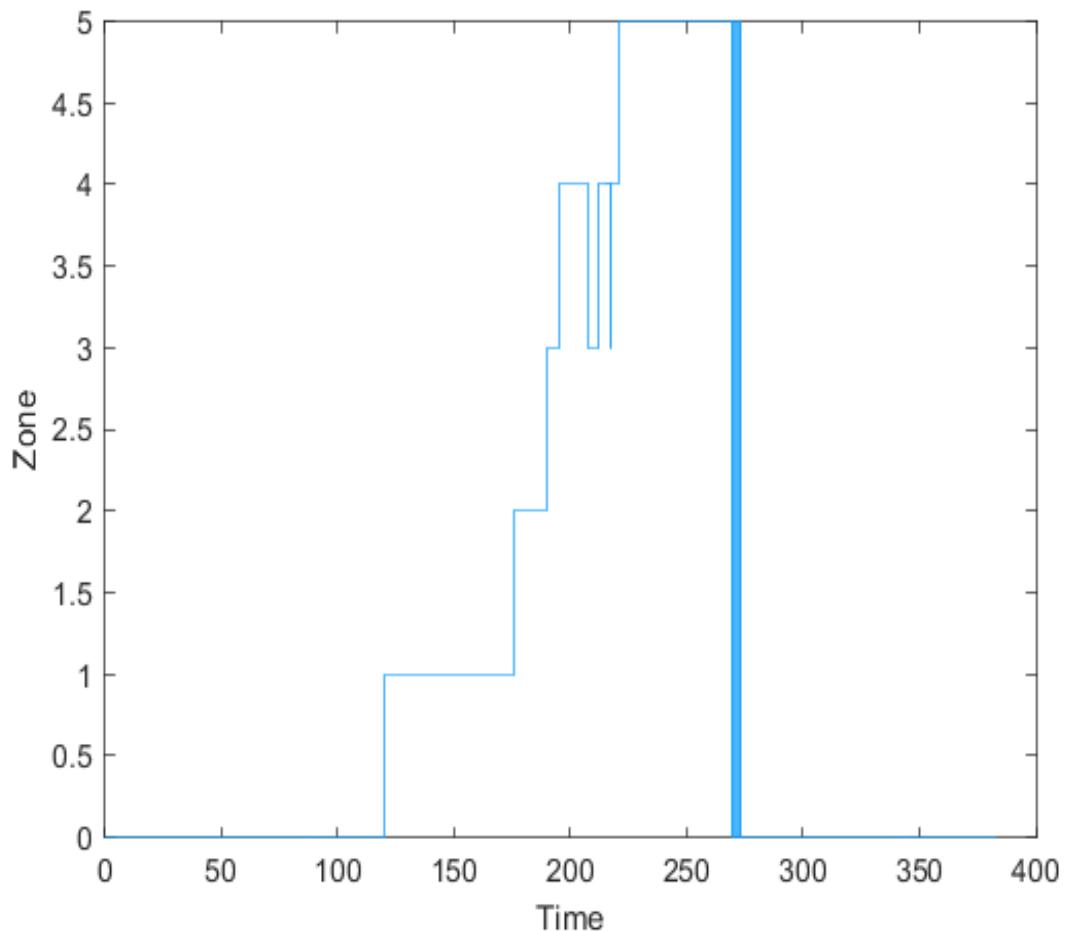
Start Time: 0  
Stop Time: 383.10766319665288  
Checksum: 1682963402 2721441319 4134056361 2702817166

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

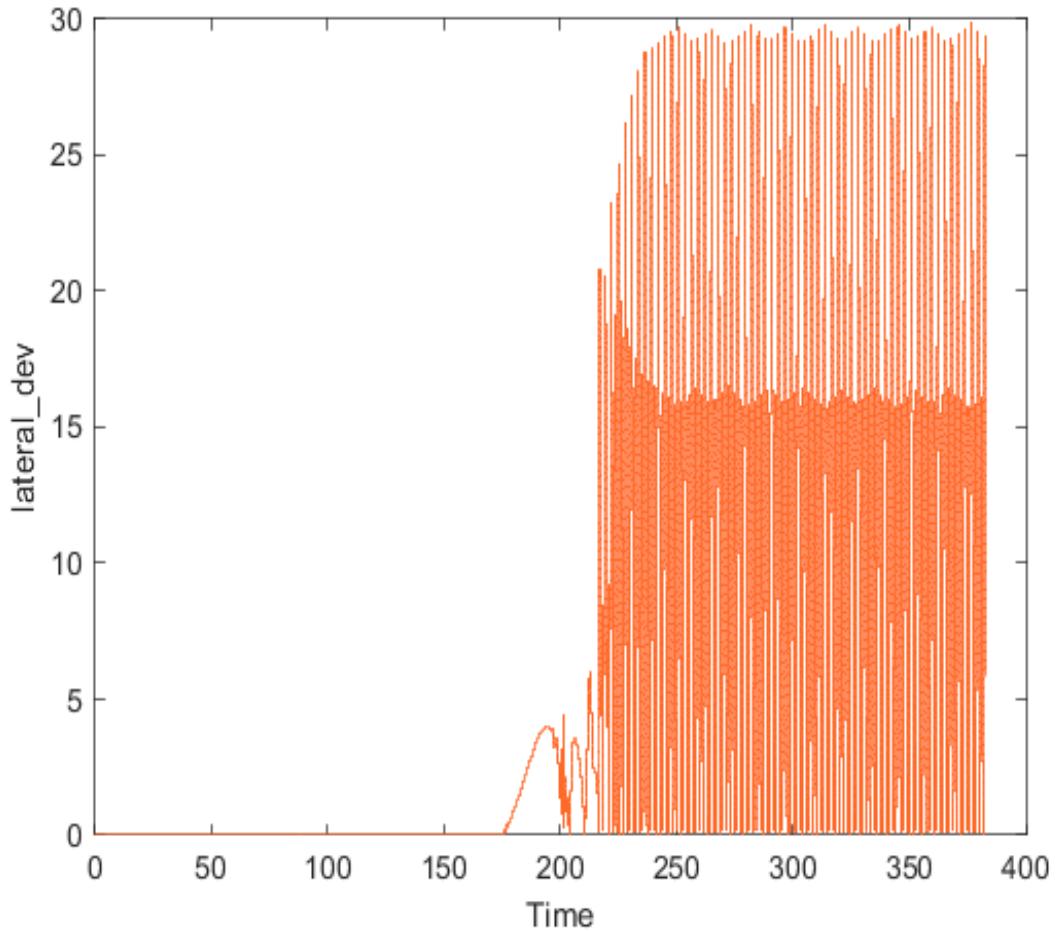
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -135° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 20:08:35  
End Time: 19-May-2021 20:19:01  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

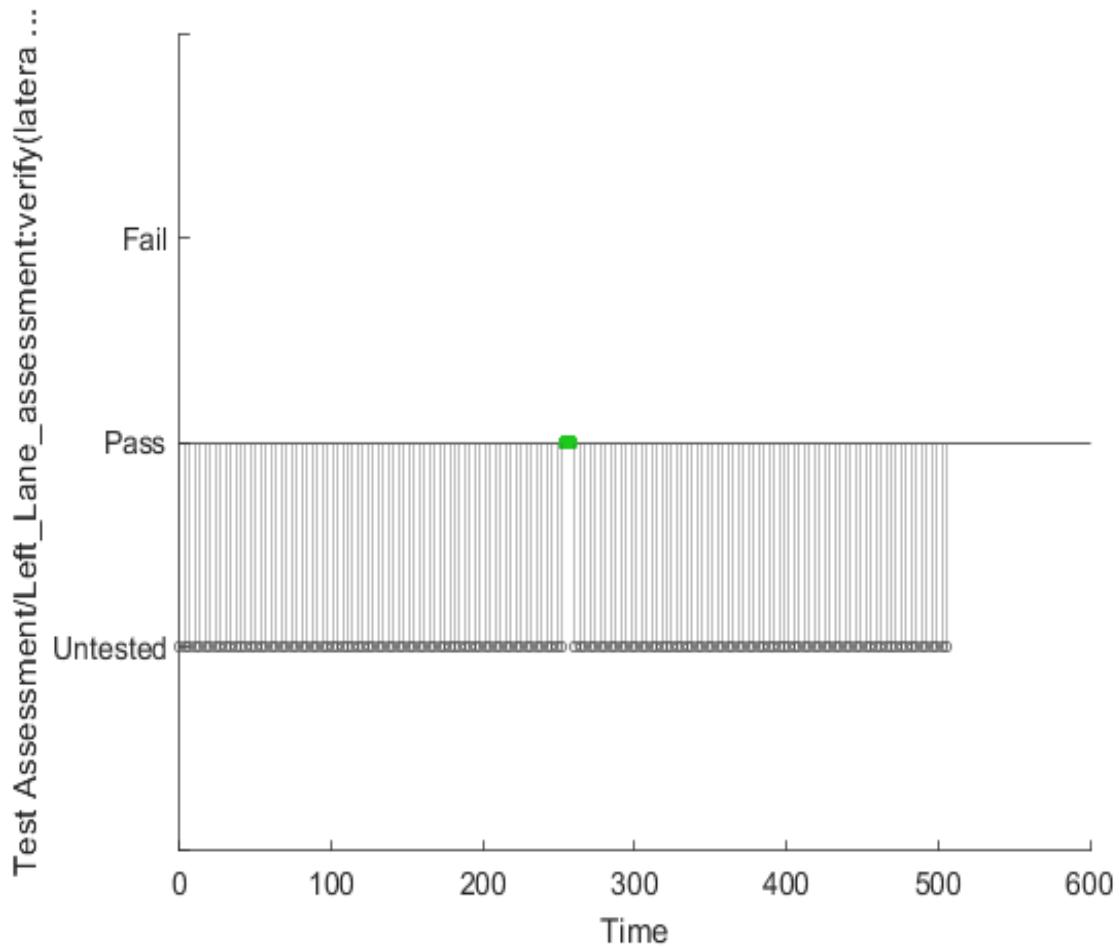
Name: -135° 10km/h  
Type: Simulation Test

## Verify Result

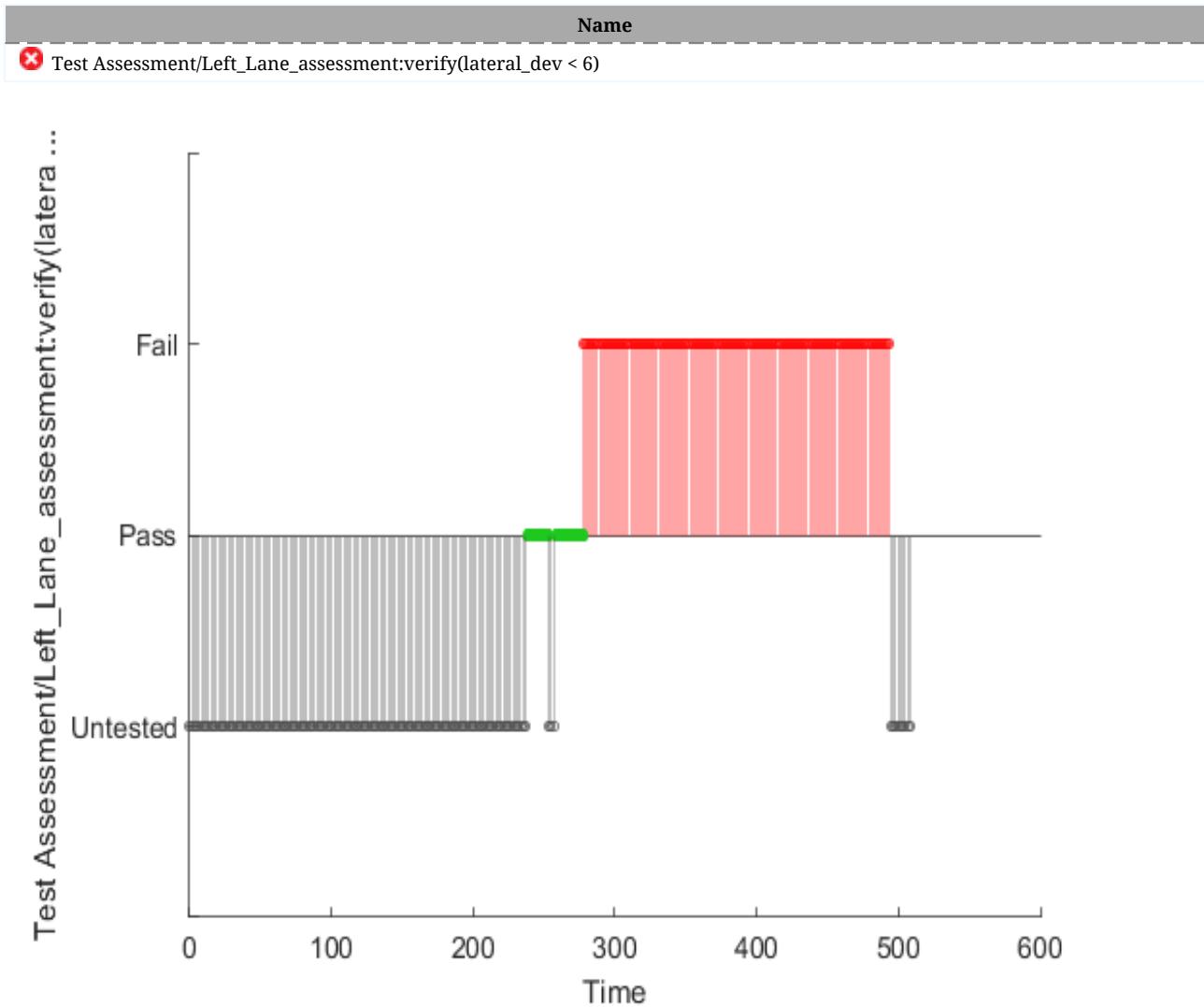
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



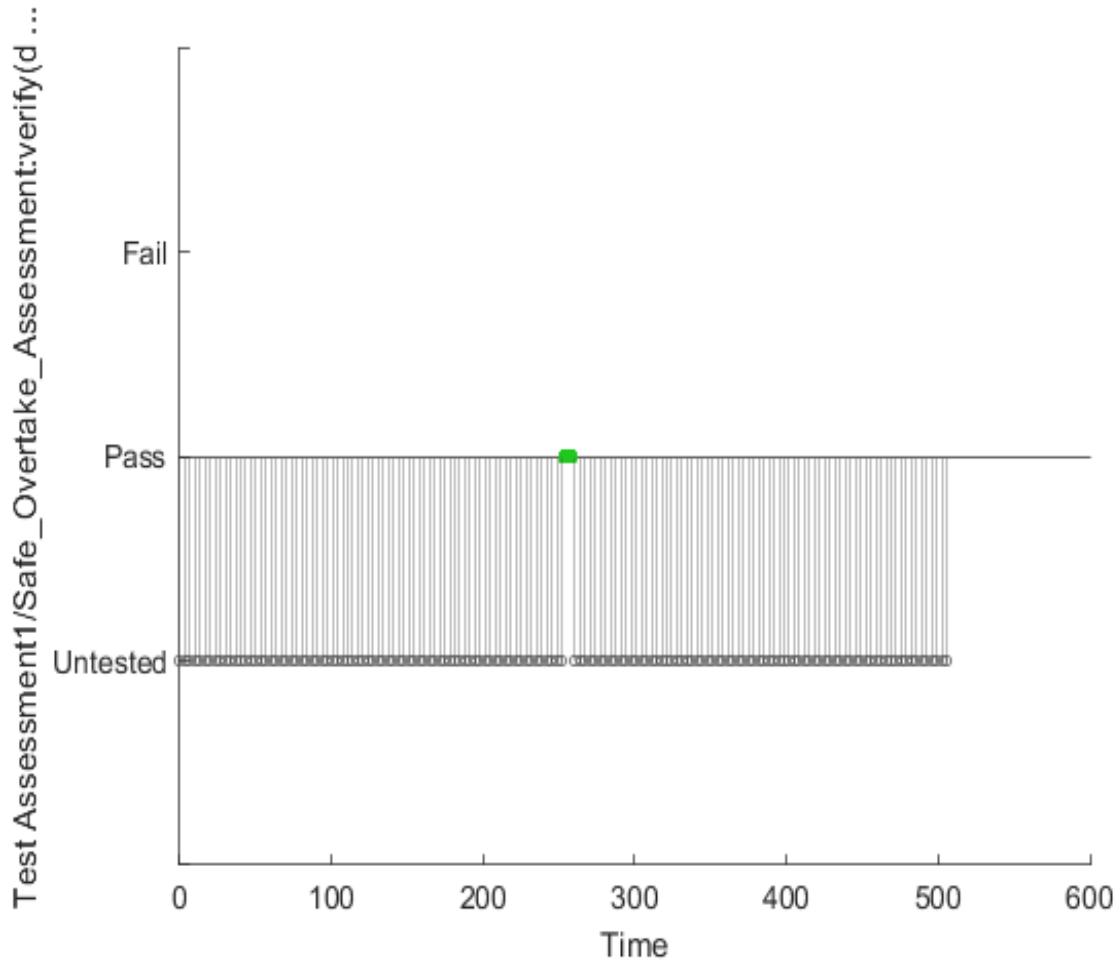
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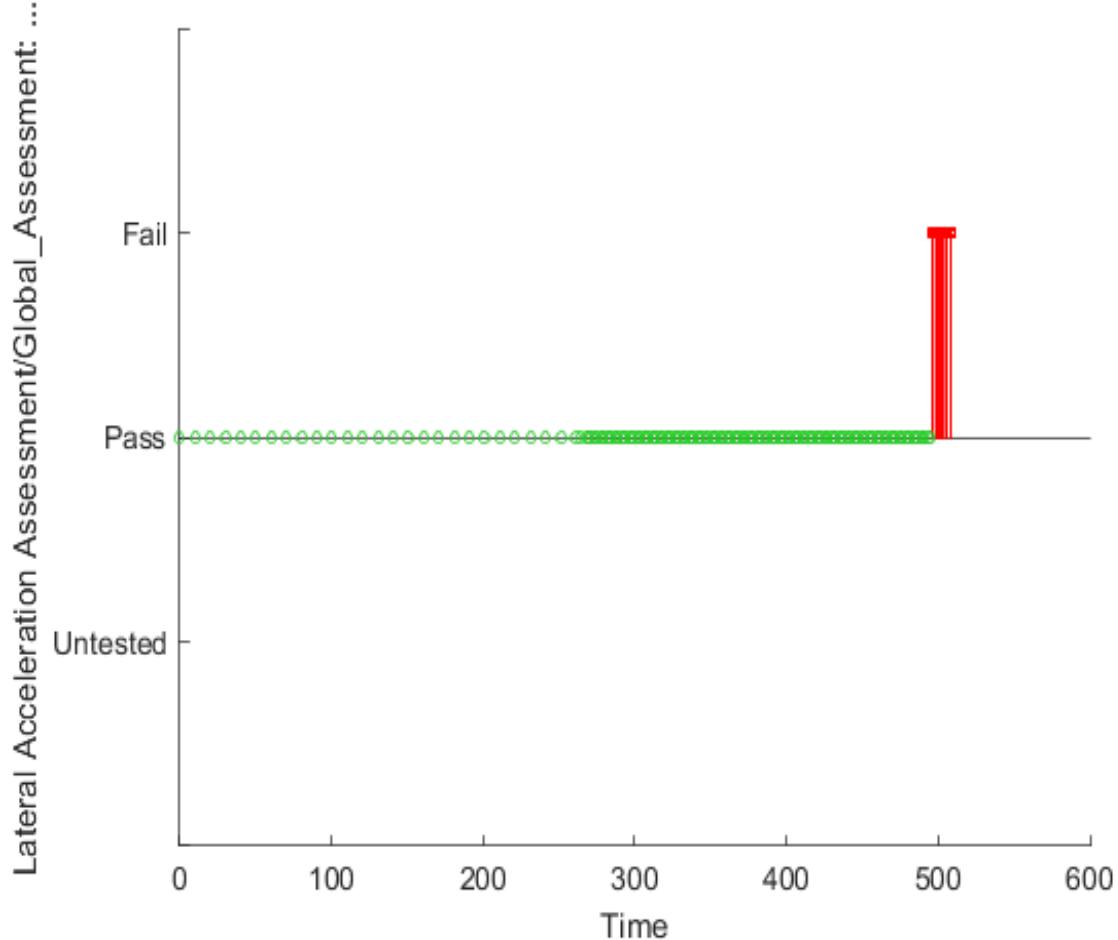
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✖ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

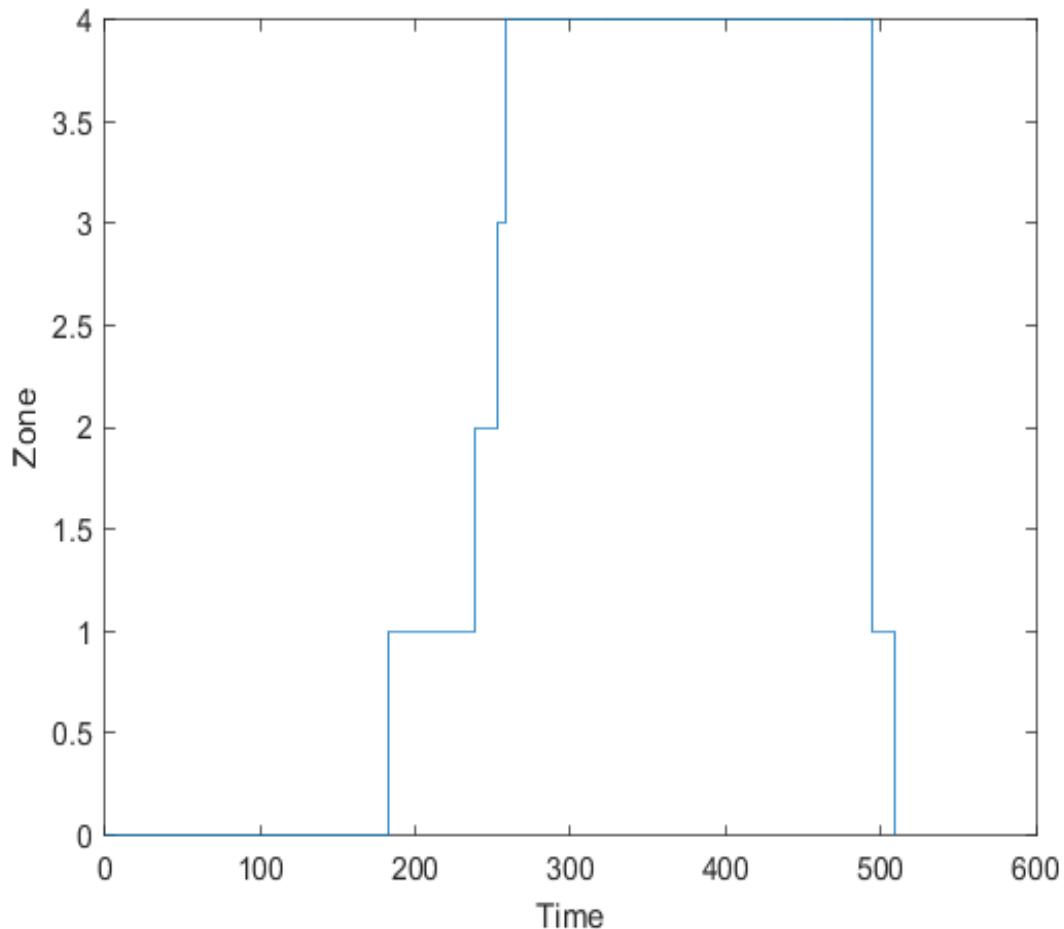
Start Time: 0  
Stop Time: 509.11688245431424  
Checksum: 1270937627 536974784 78647280 2615227783

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

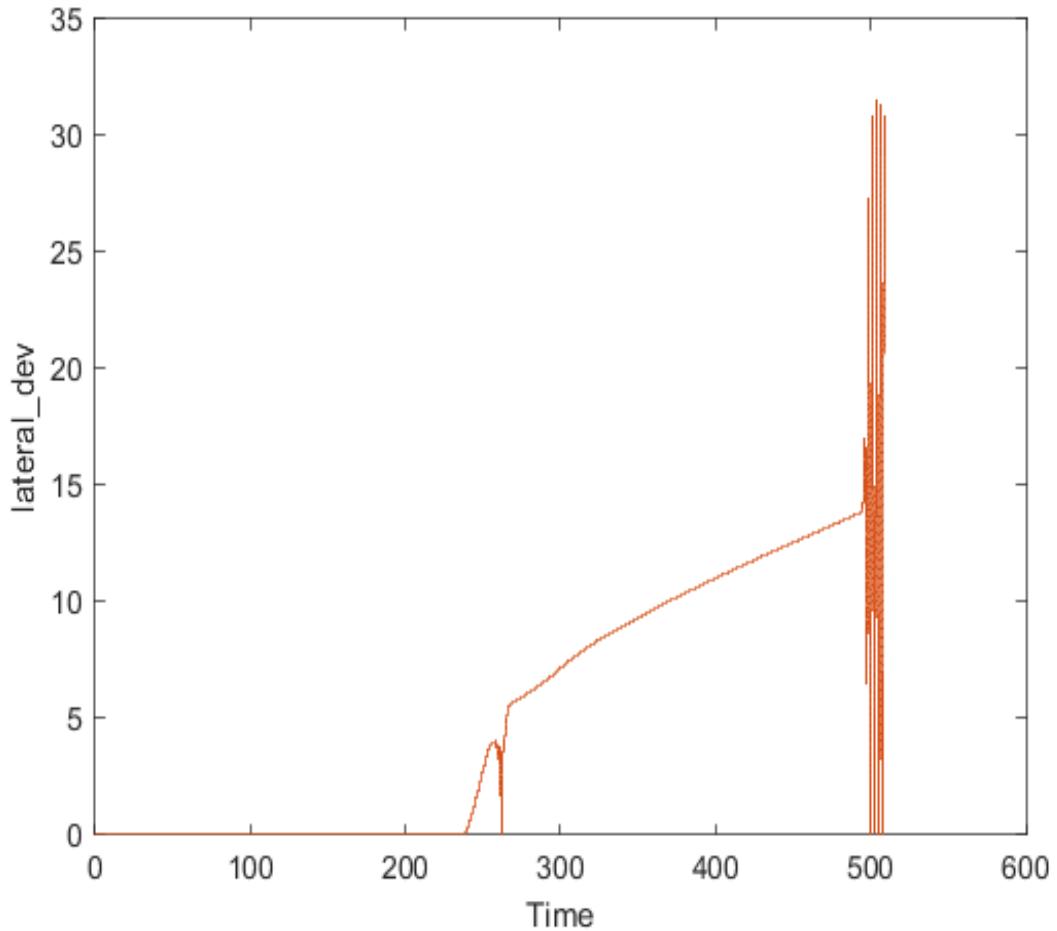
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -160° 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

Start Time: 19-May-2021 20:19:01  
End Time: 19-May-2021 21:00:14  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

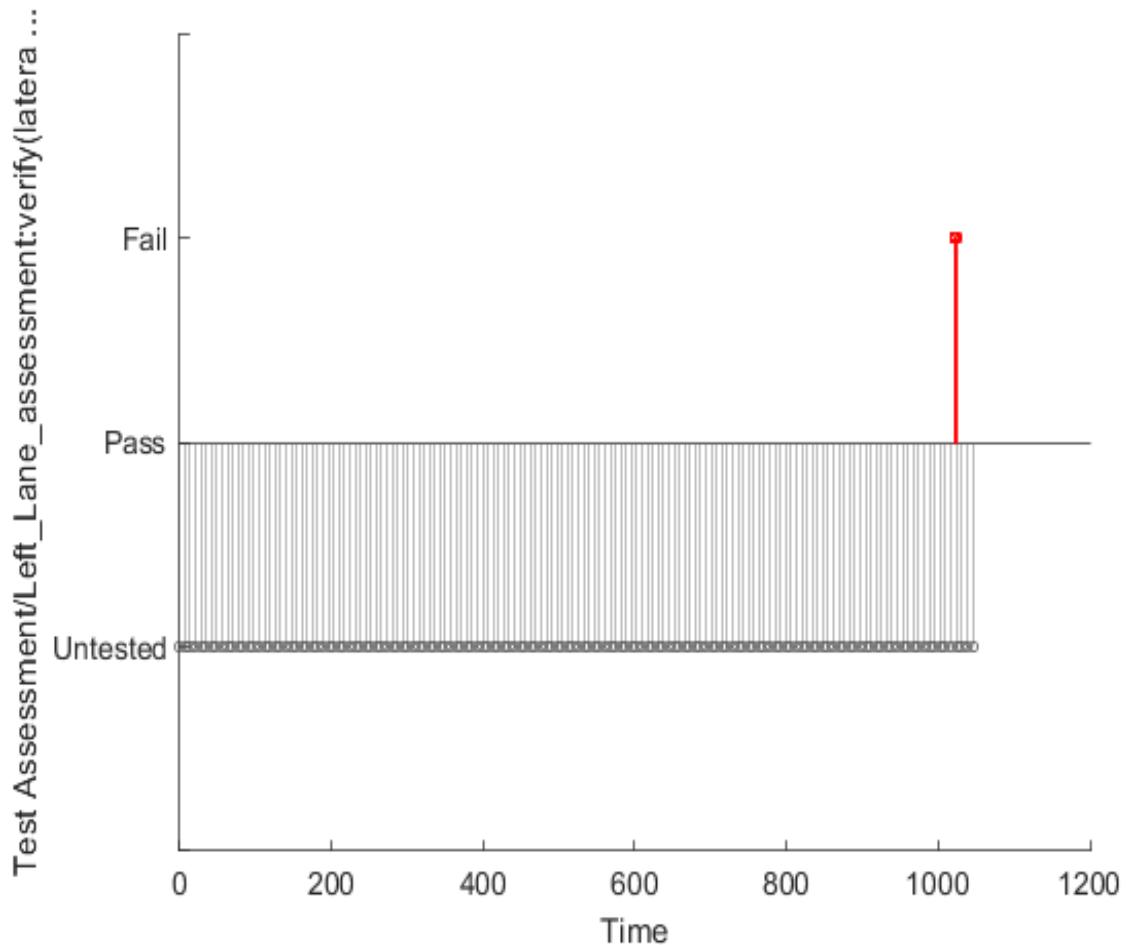
Name: -160° 10km/h  
Type: Simulation Test

## Verify Result

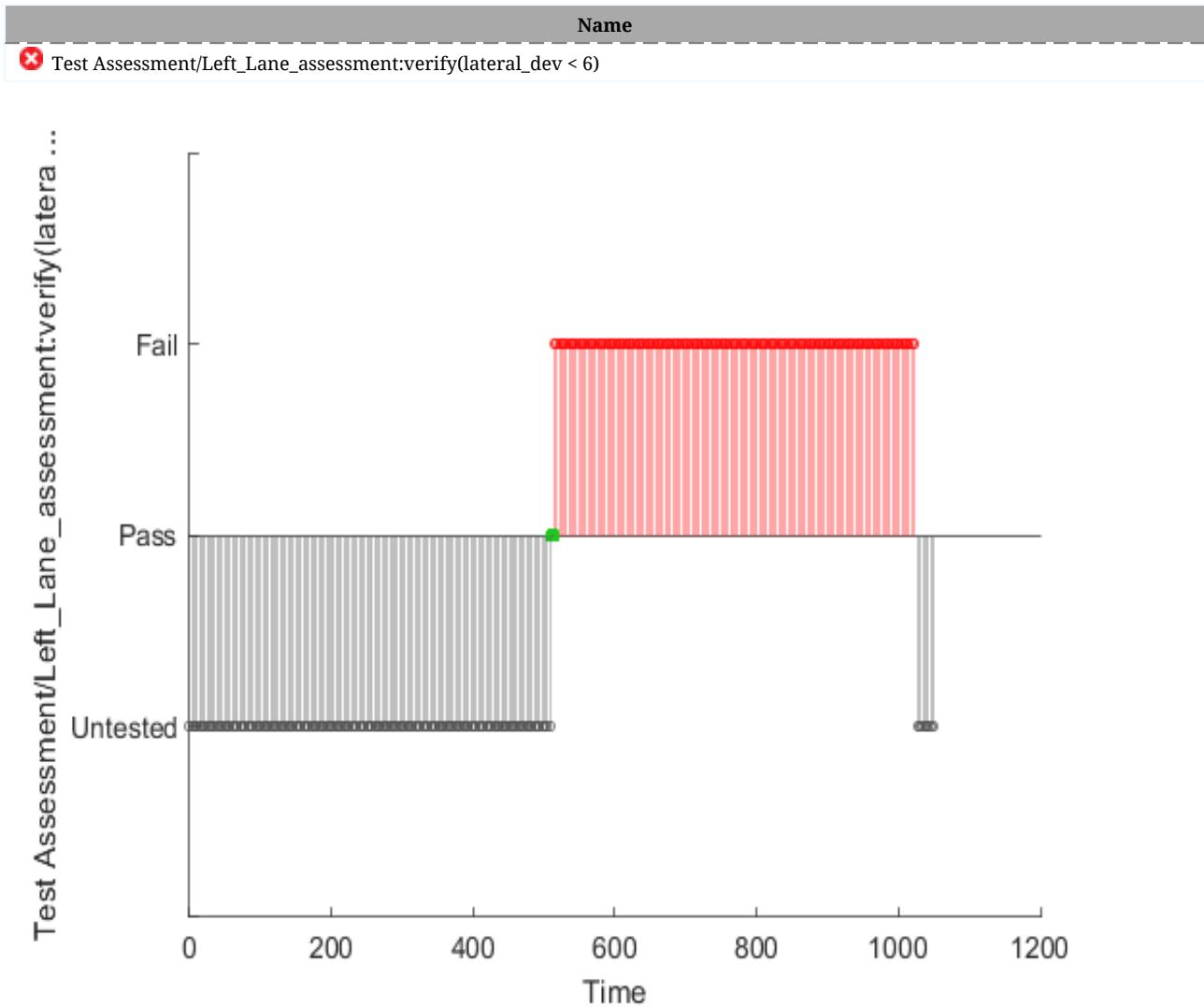
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



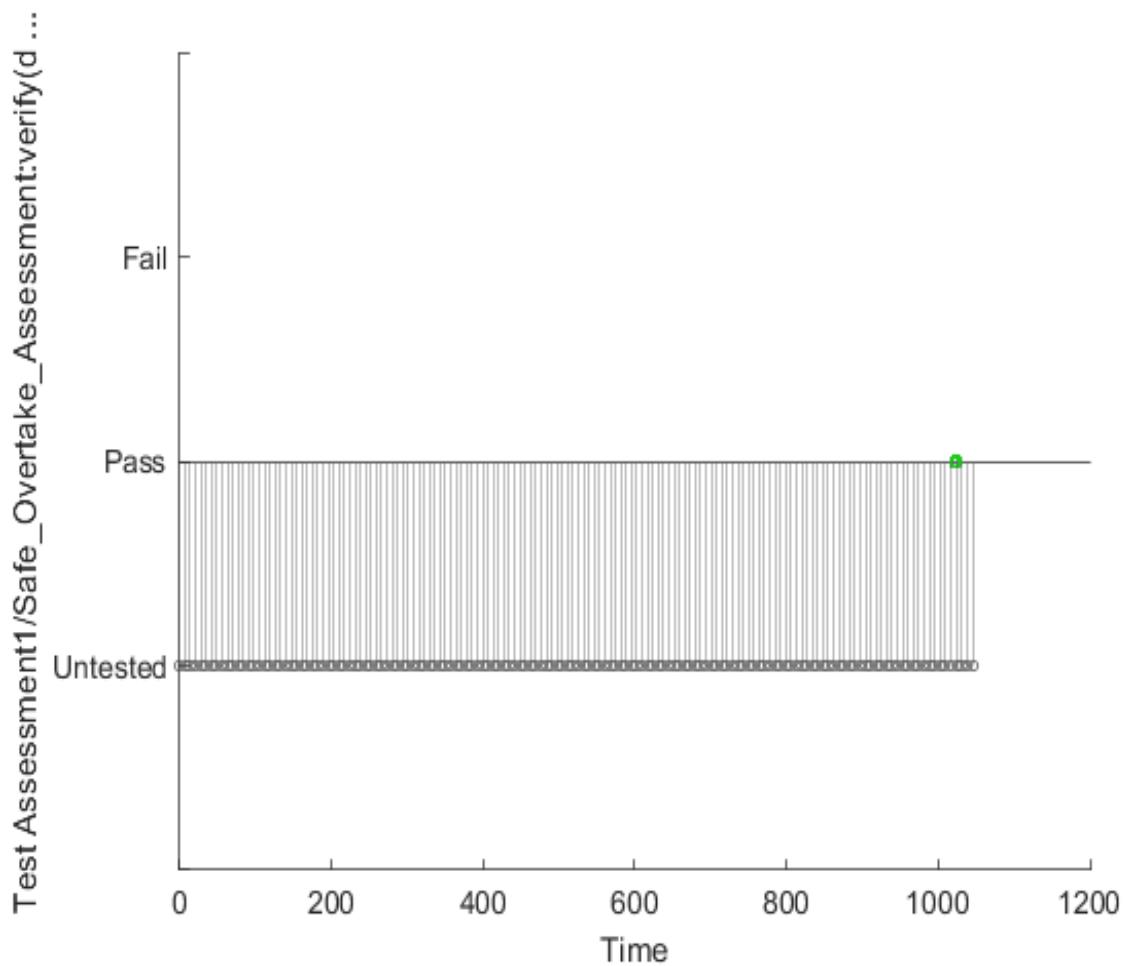
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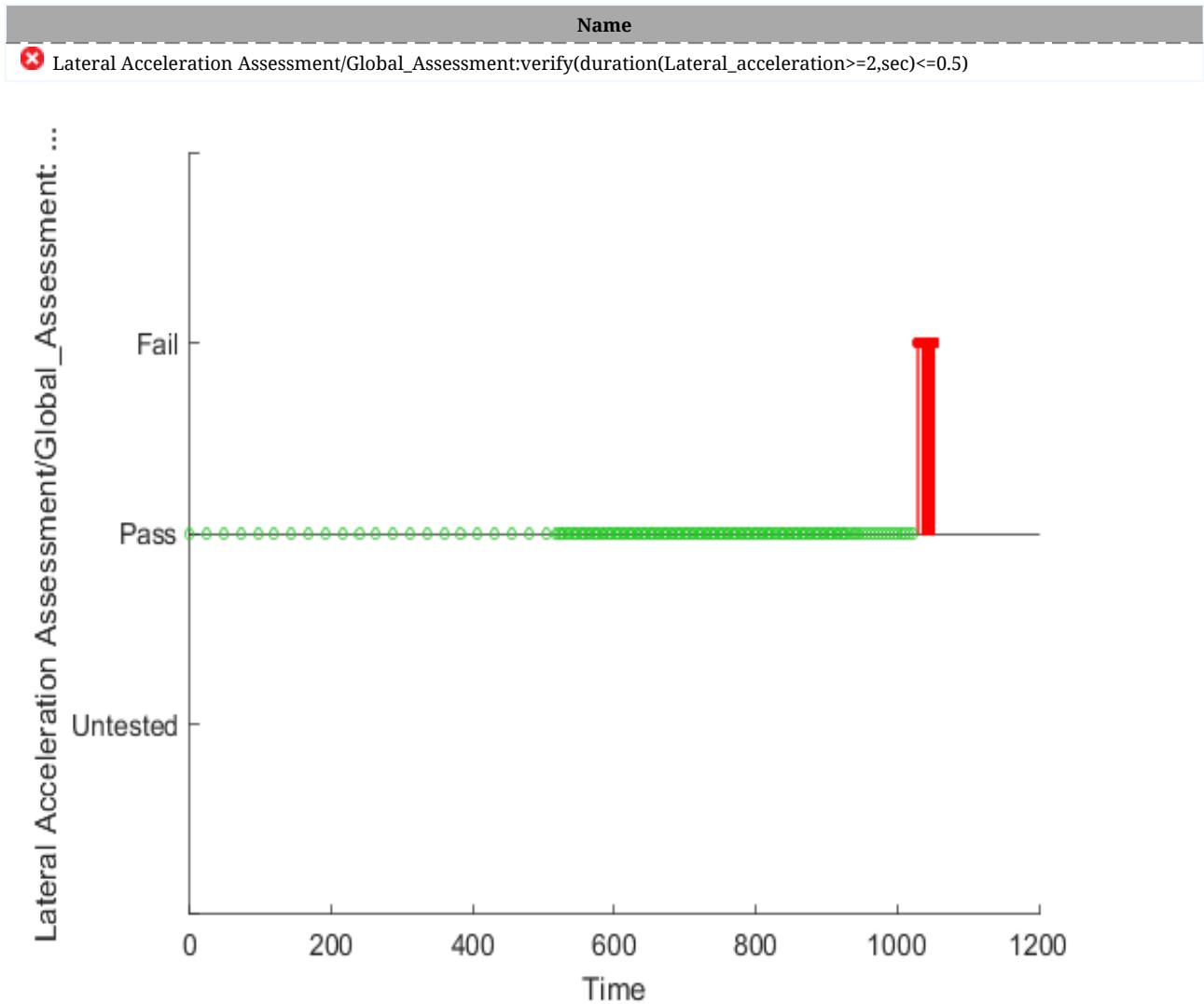
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

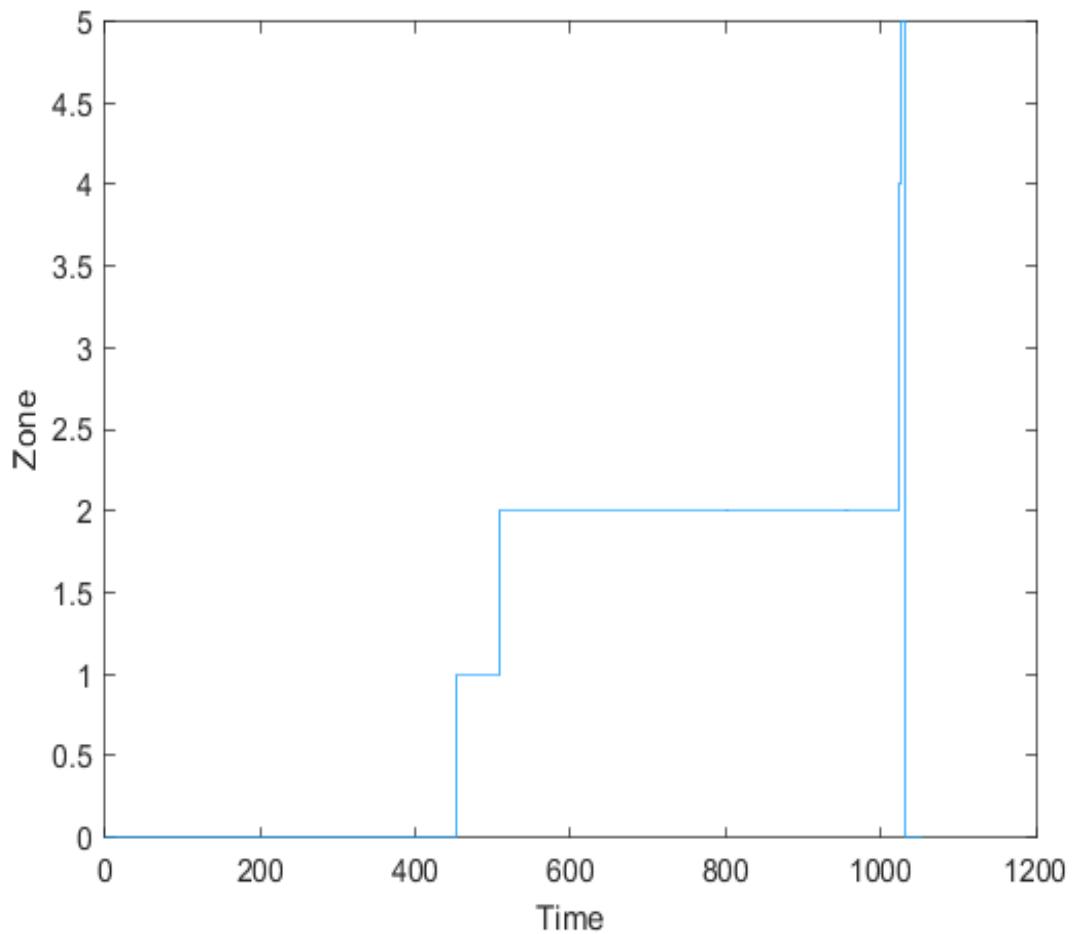
Start Time: 0  
Stop Time: 1052.4080797865438  
Checksum: 336204076 1192216309 3640701965 1304137277

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

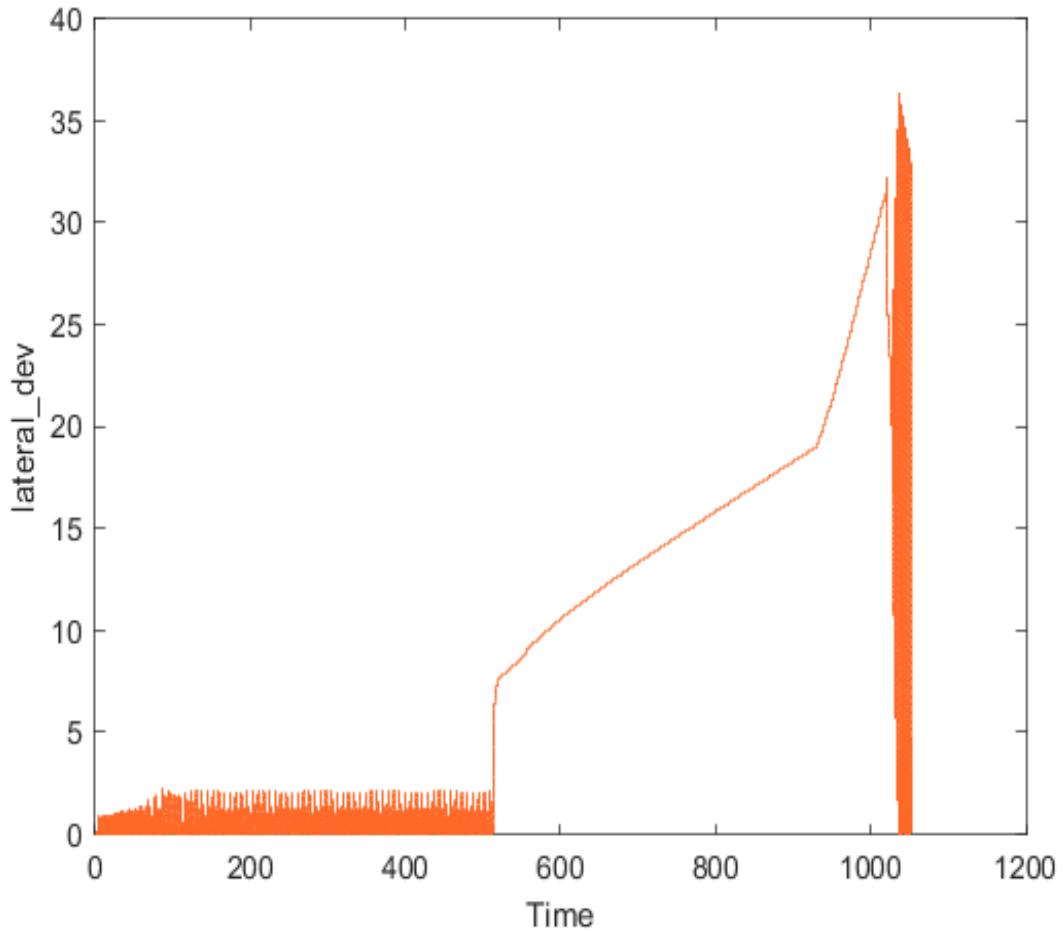
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature clockwise 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 10km/h](#)

Start Time: 19-May-2021 21:00:14  
End Time: 19-May-2021 21:14:26  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

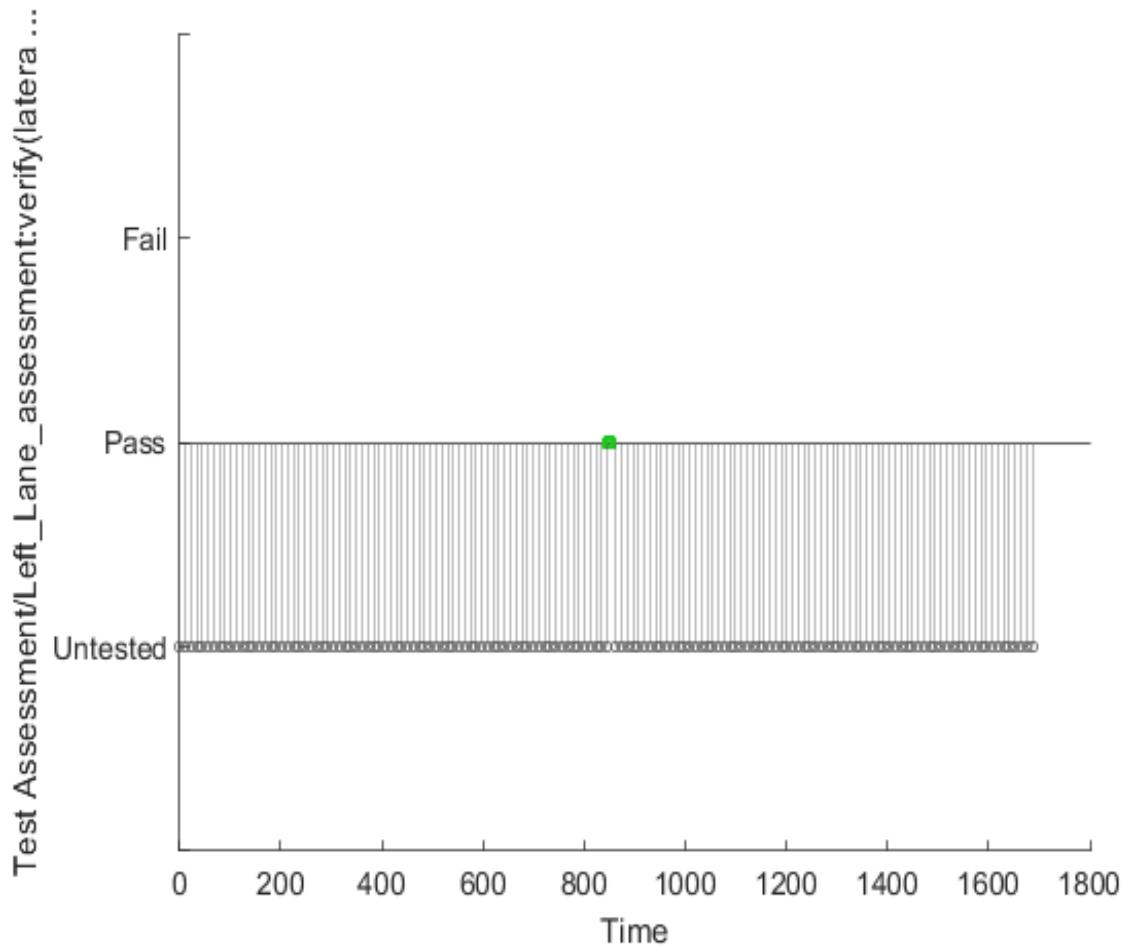
Name: 1000m curvature clockwise 10km/h  
Type: Simulation Test

## Verify Result

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

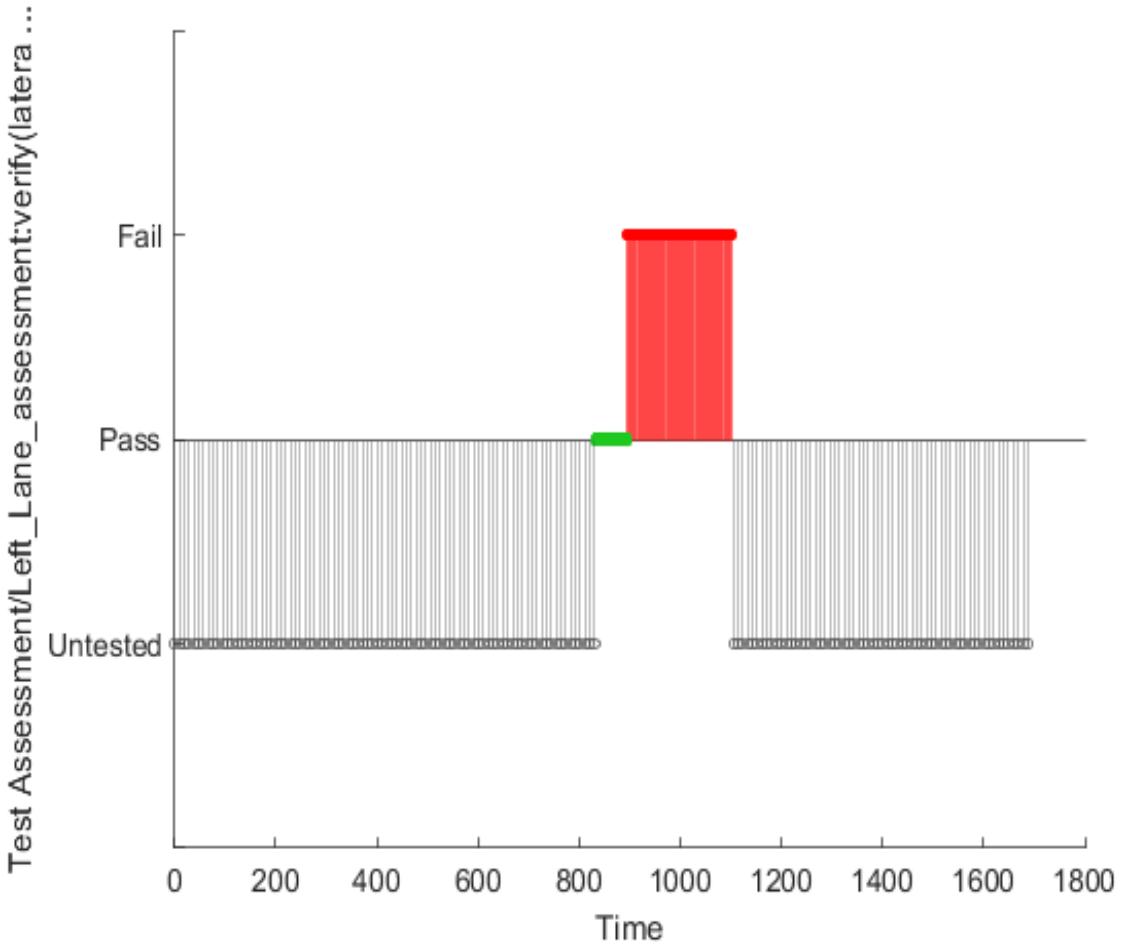
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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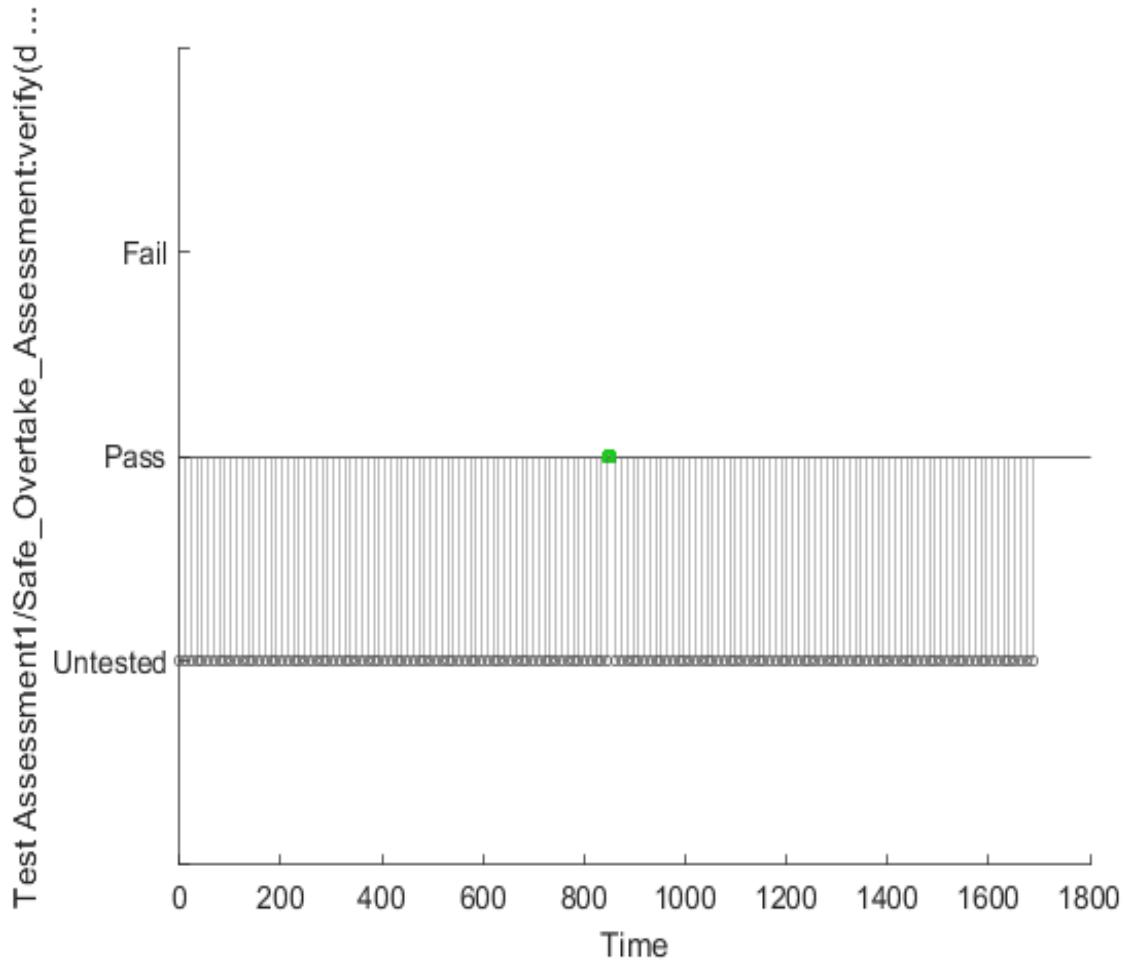
Name
✖ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



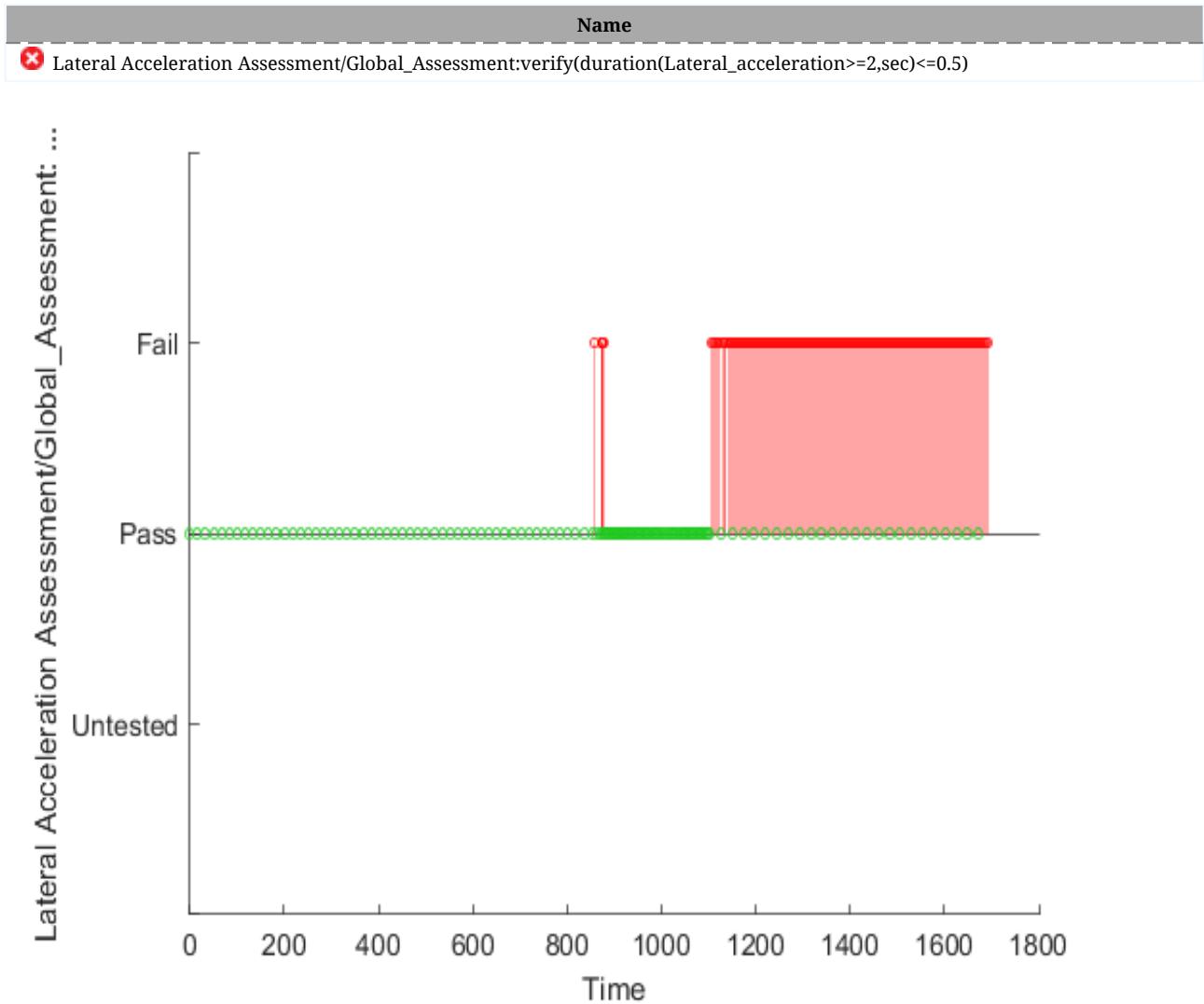
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

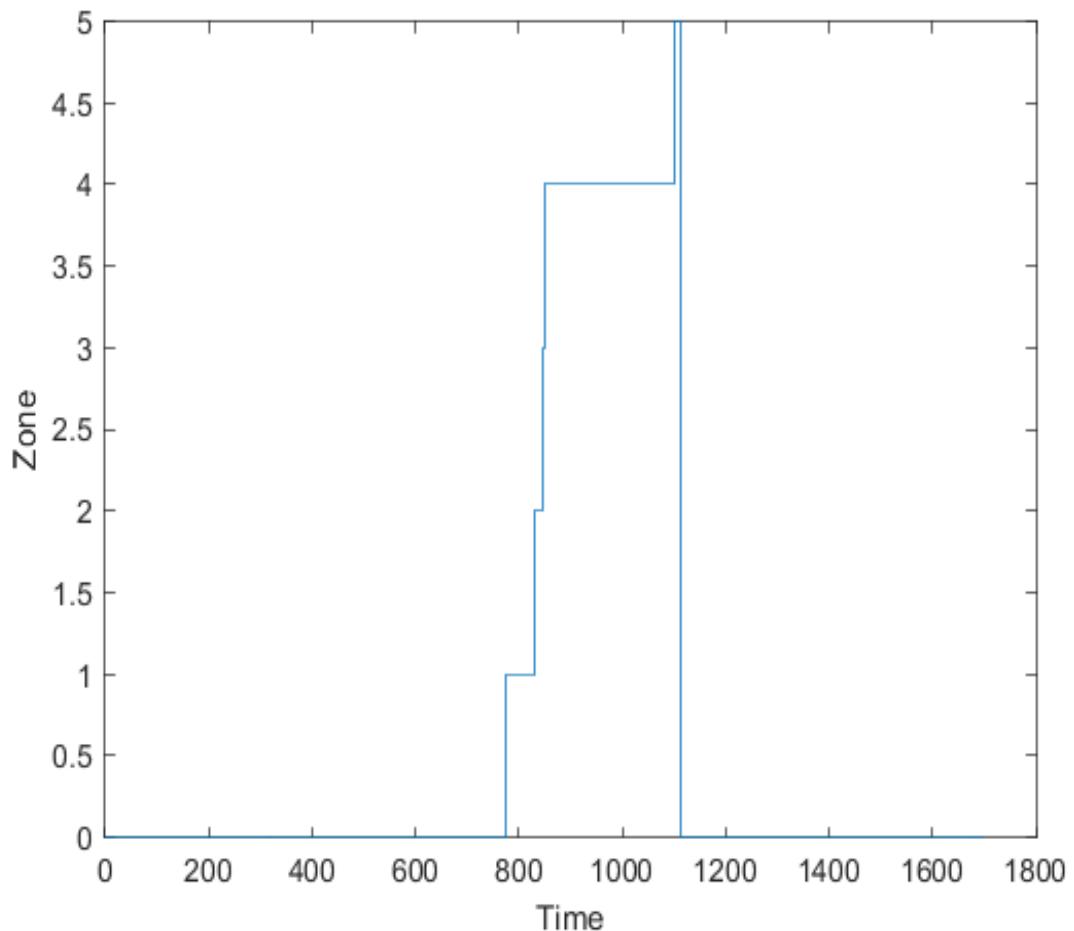
Start Time: 0  
Stop Time: 1696.4700000004091  
Checksum: 2690226020 2403446319 3734925498 3659877899

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

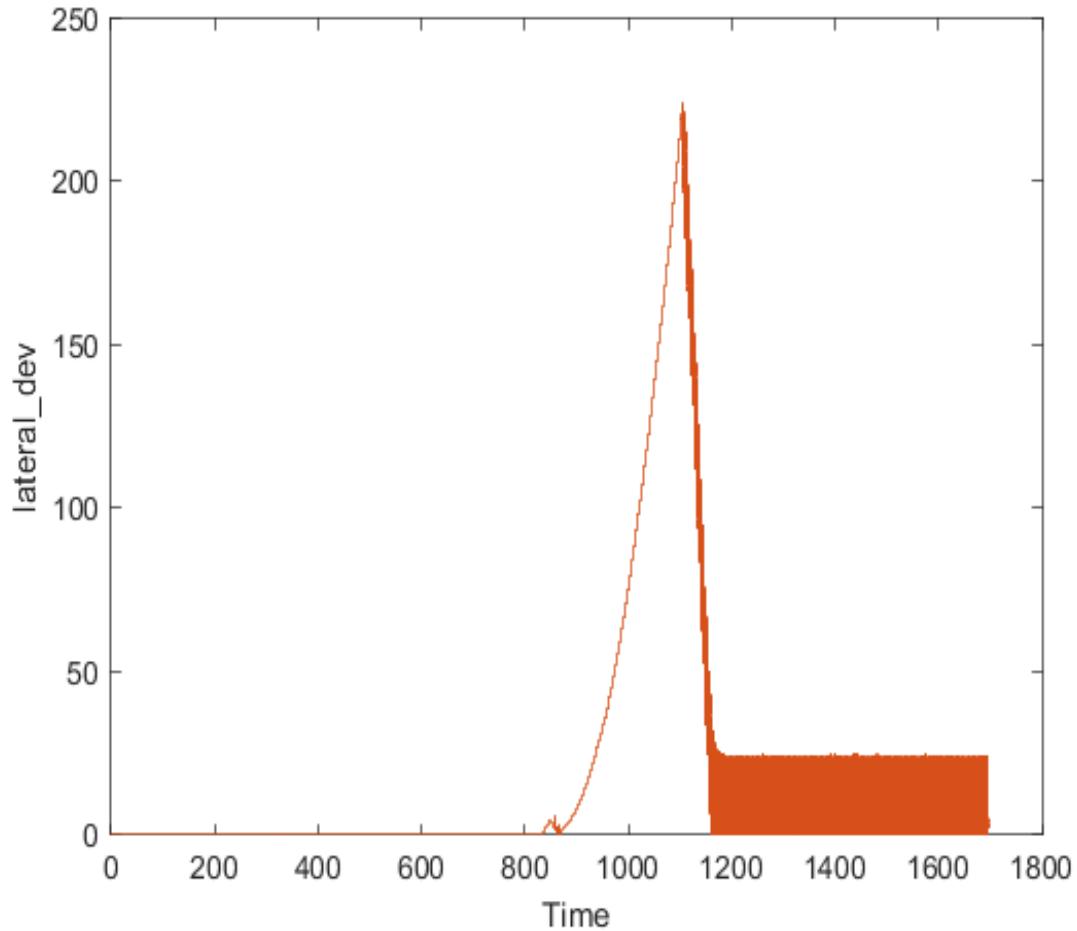
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature clockwise 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 10km/h](#)

Start Time: 19-May-2021 21:14:26  
End Time: 19-May-2021 21:18:10  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

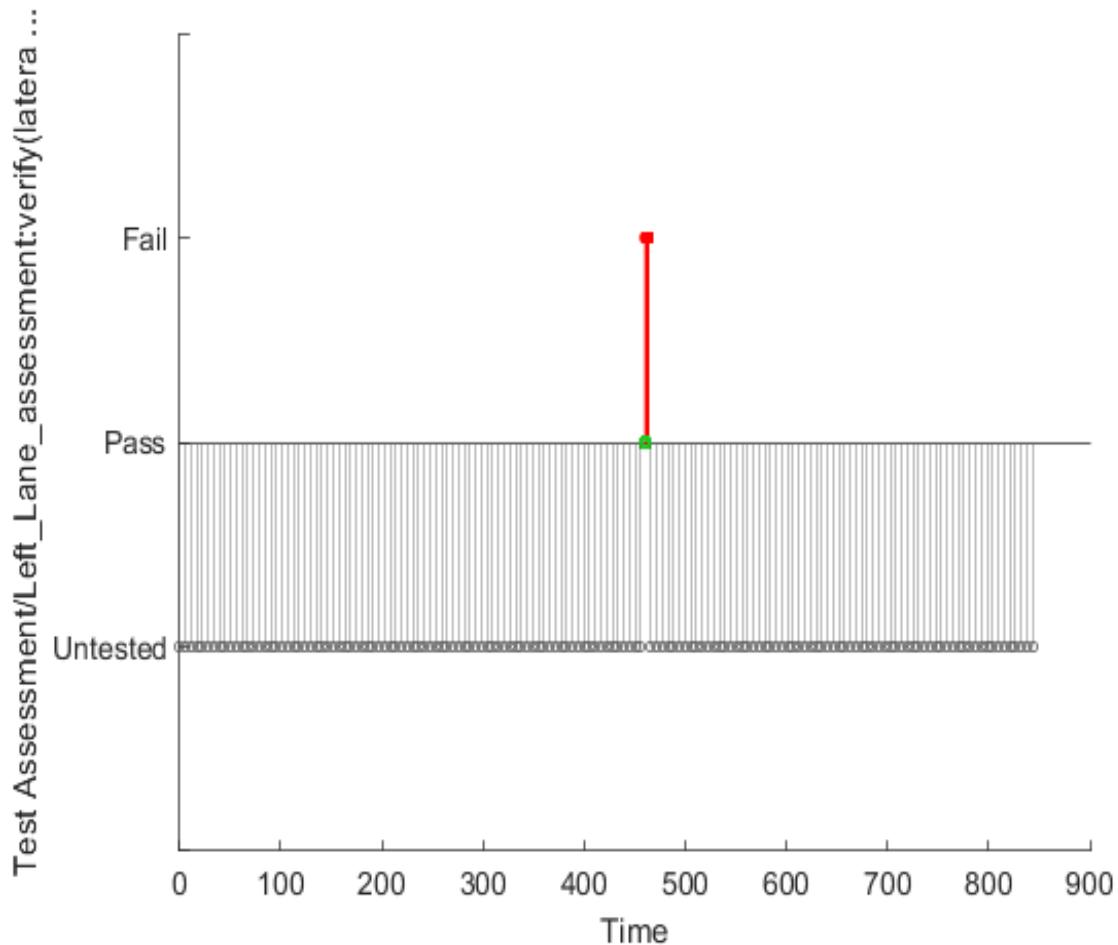
Name: 500m curvature clockwise 10km/h  
Type: Simulation Test

## Verify Result

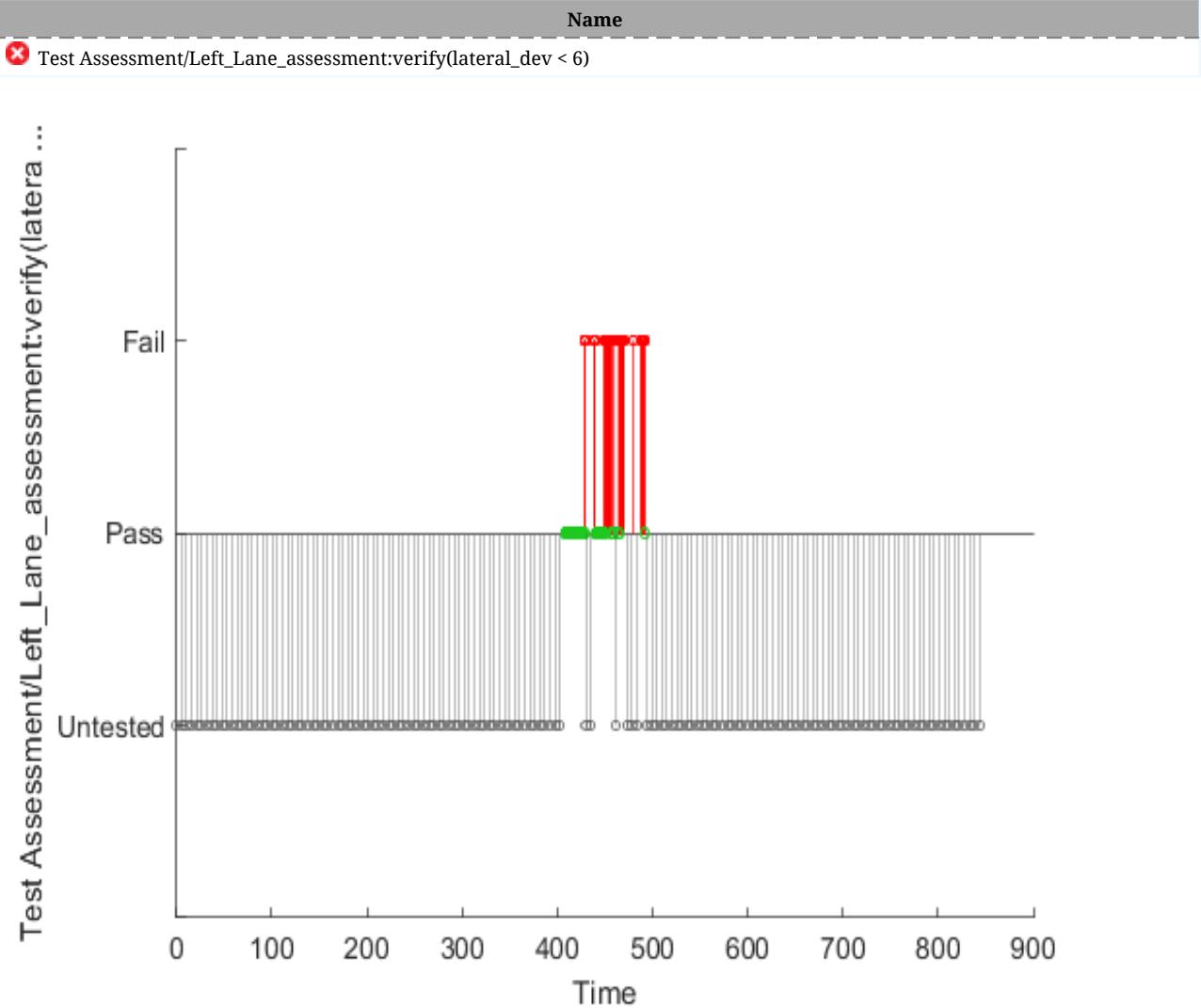
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



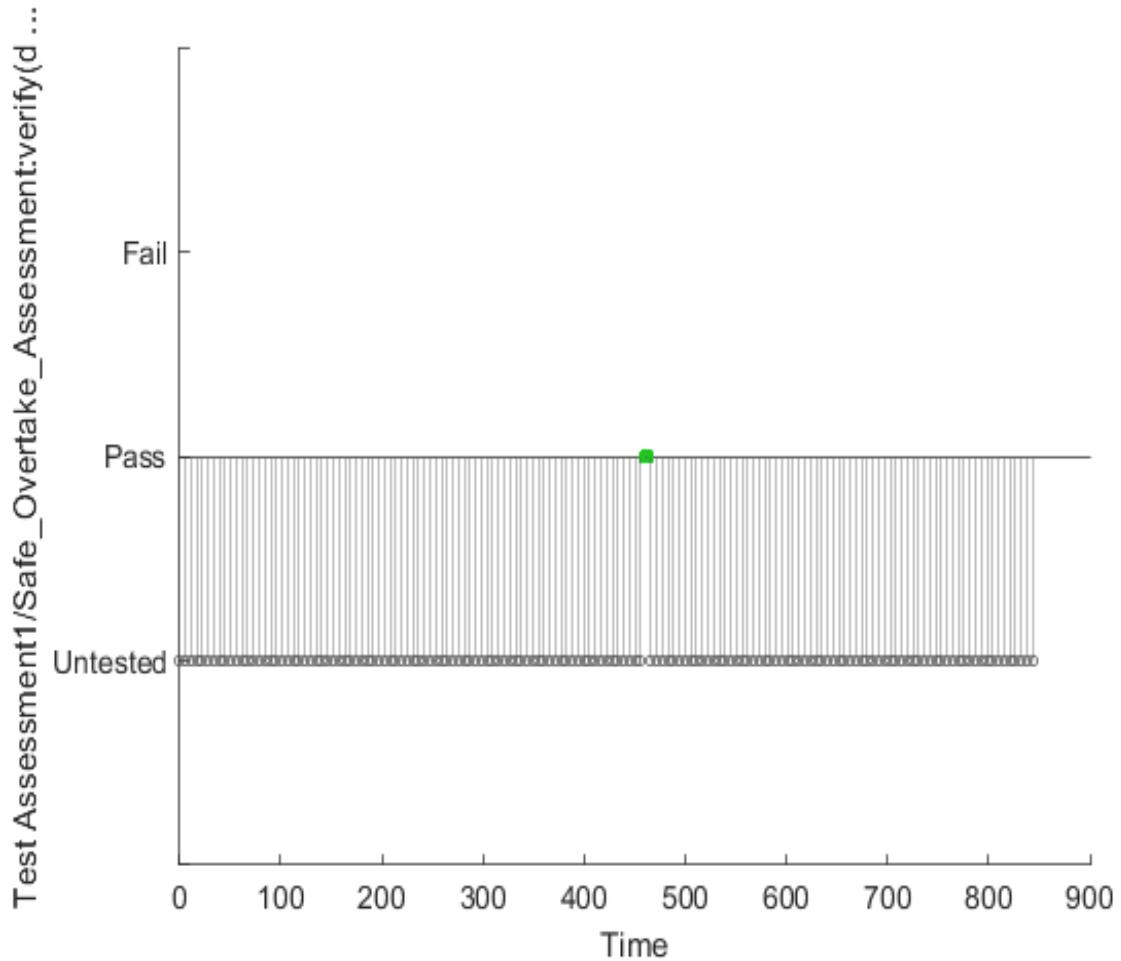
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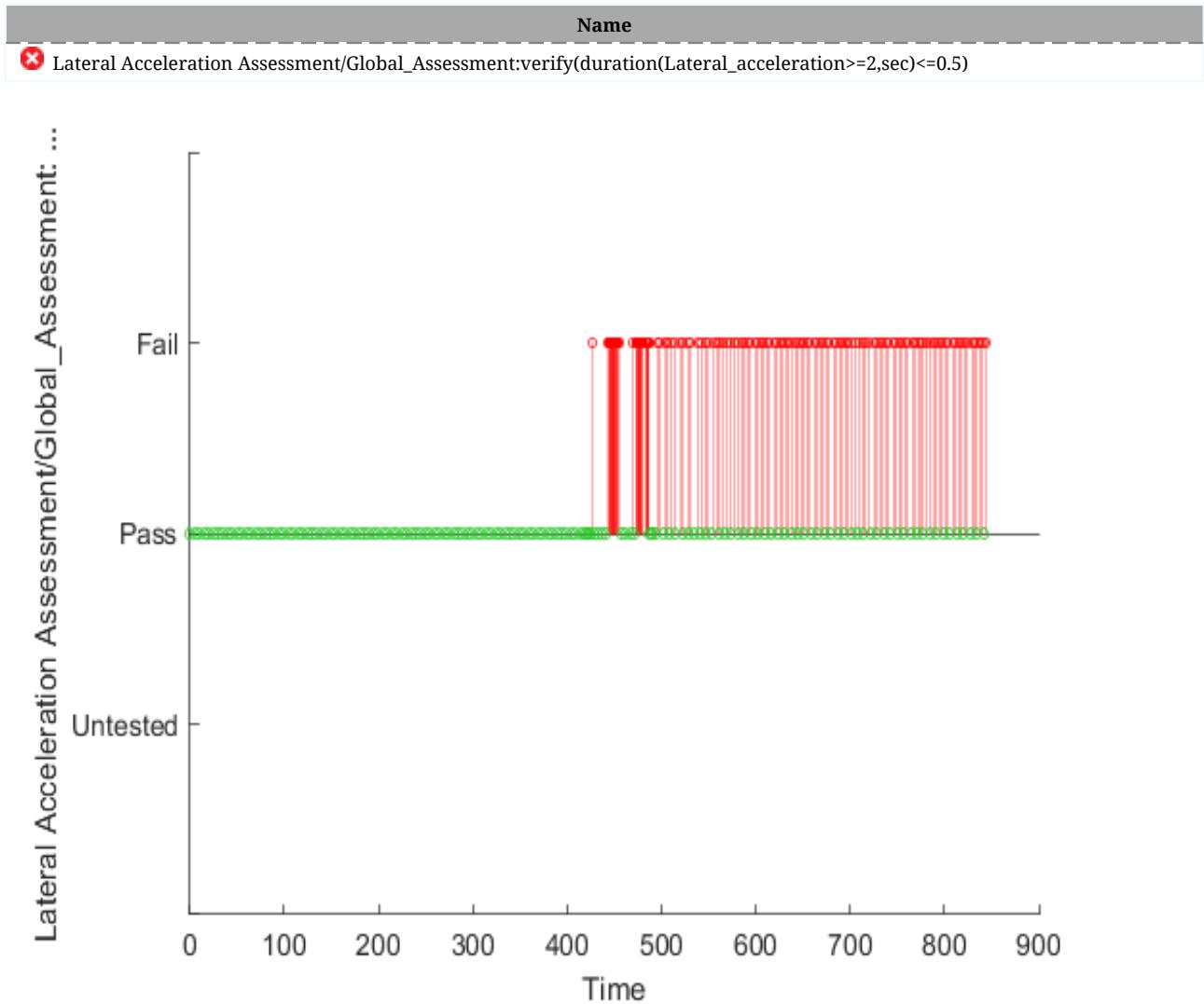
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

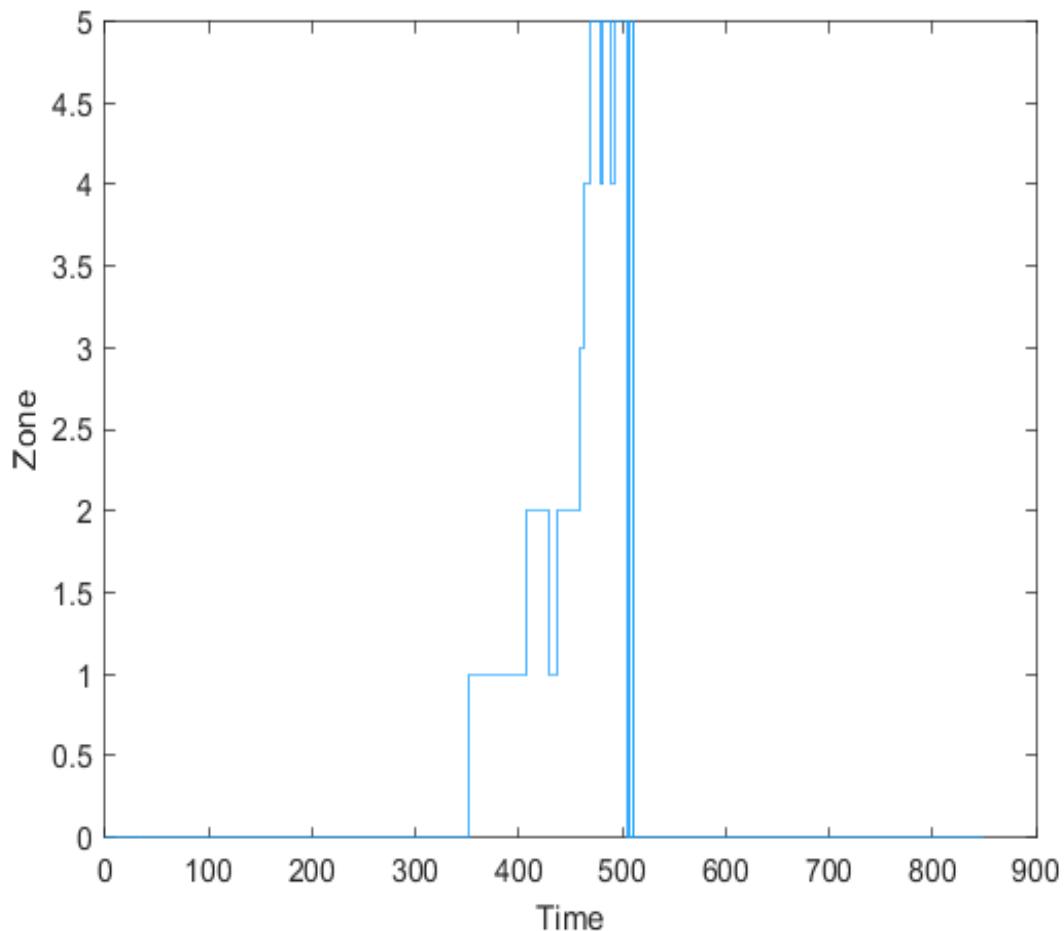
### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 848.24000000088108  
Checksum: 3761716495 302912933 4016442337 3469617569

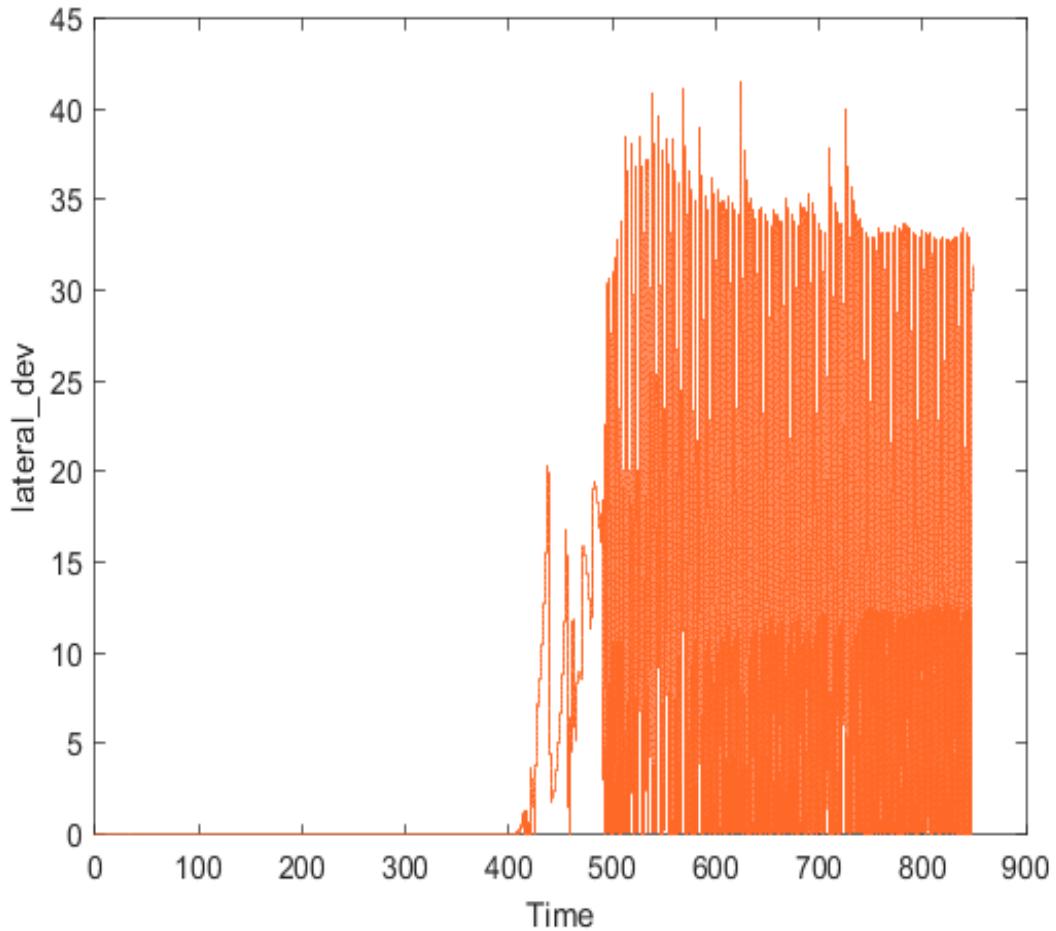
## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>
Name	Data Type	Units	Sample Time	Interp	Sync	
Zone	double		0.01	zoh	union	



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



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## 300m curvature clockwise 10km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_10km/h](#)

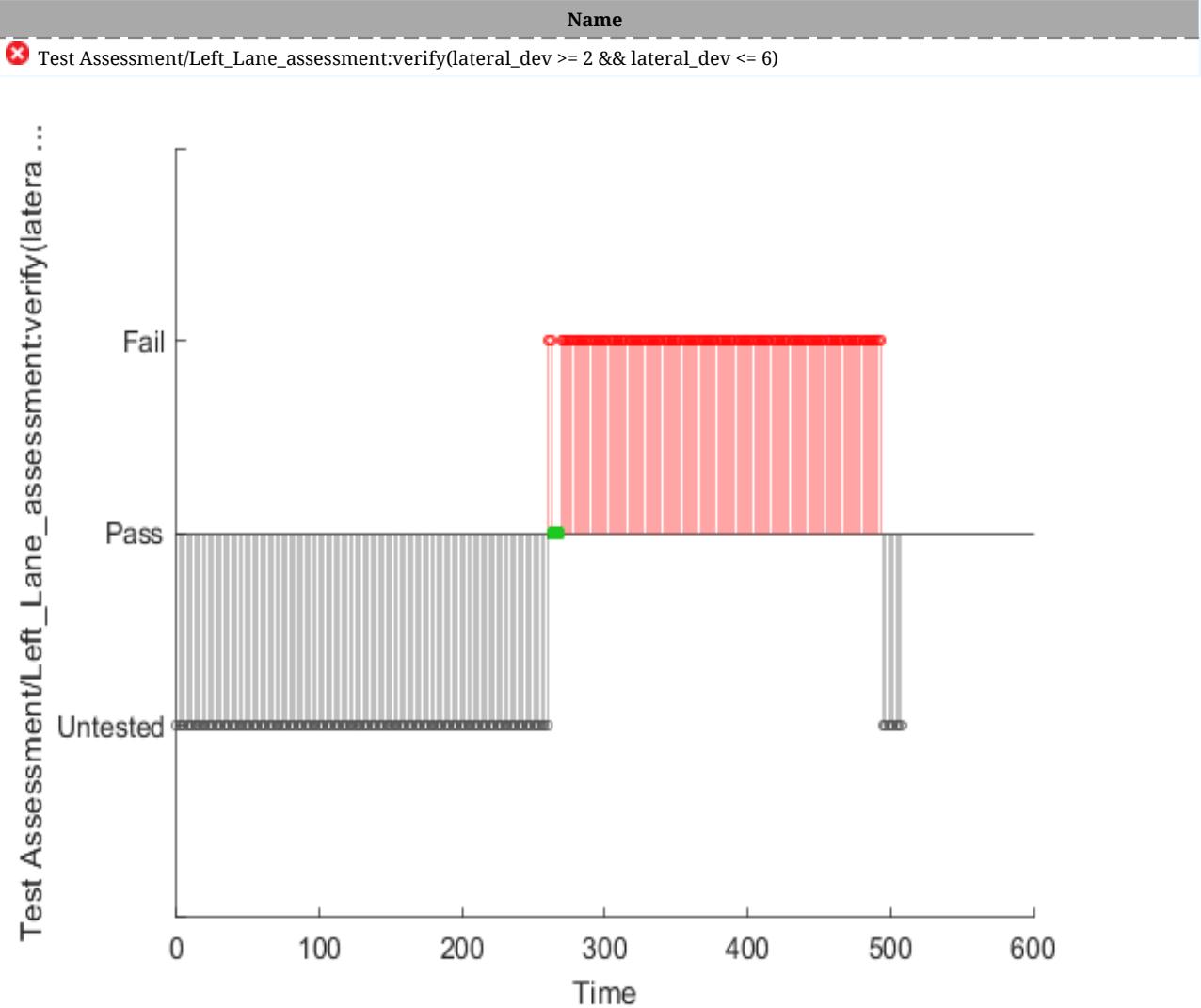
Start Time: 19-May-2021 21:18:10  
End Time: 19-May-2021 21:20:43  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

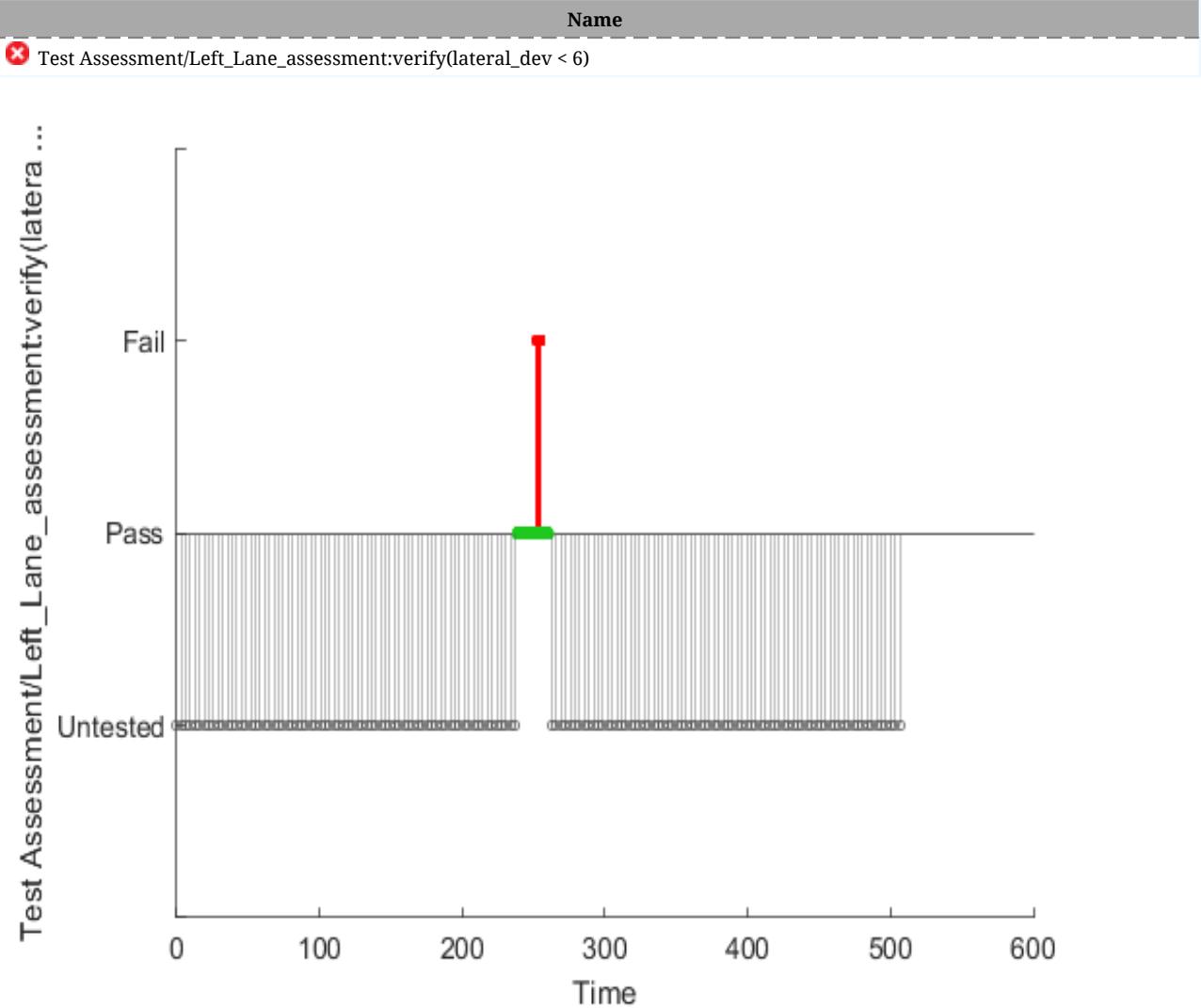
Name: 300m curvature clockwise 10km/h  
Type: Simulation Test

## Verify Result

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



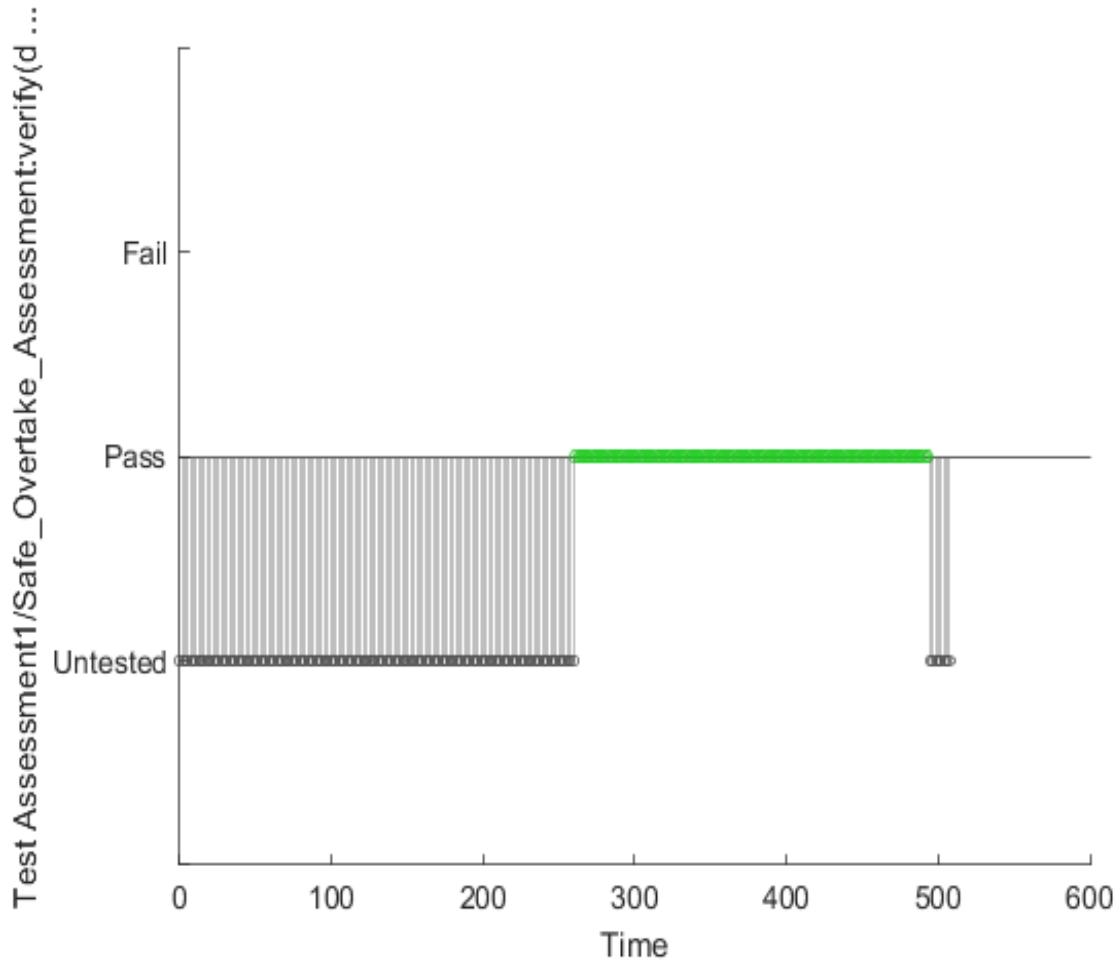
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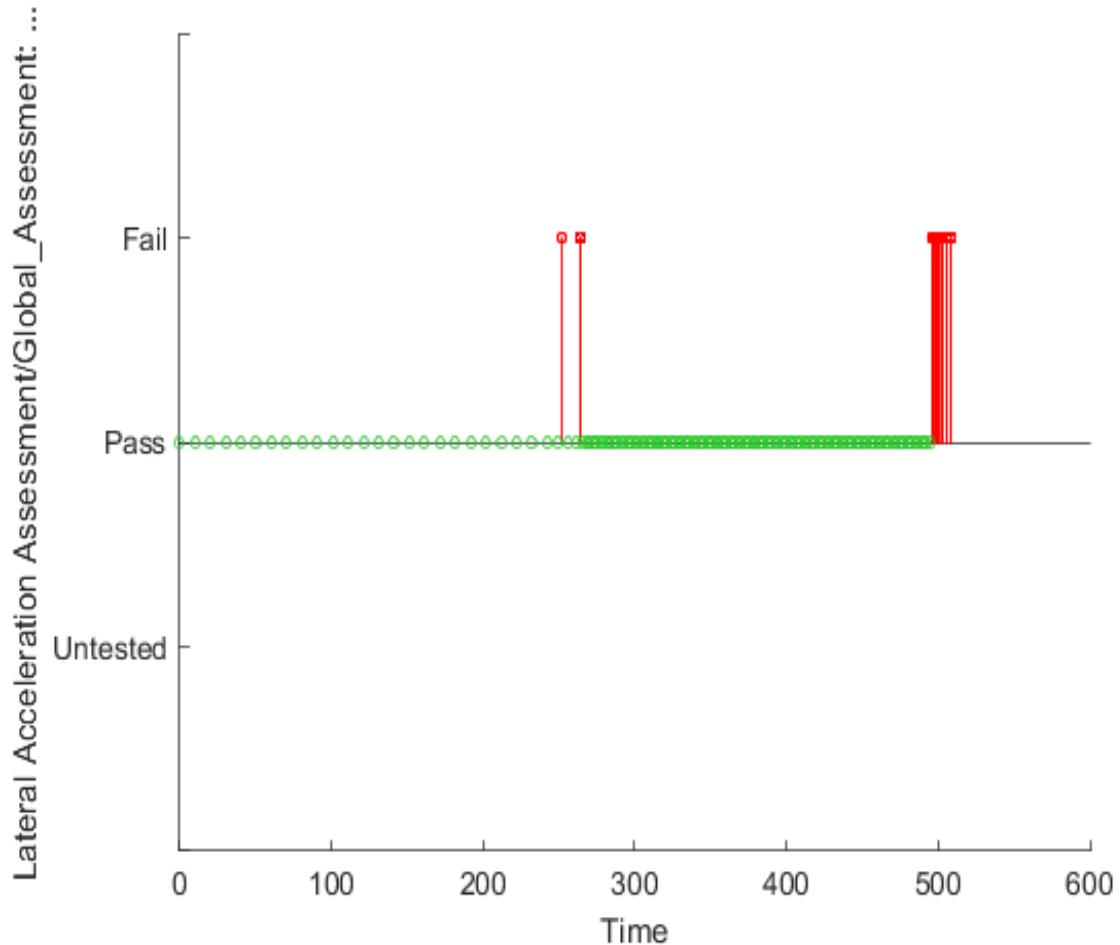
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✖ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

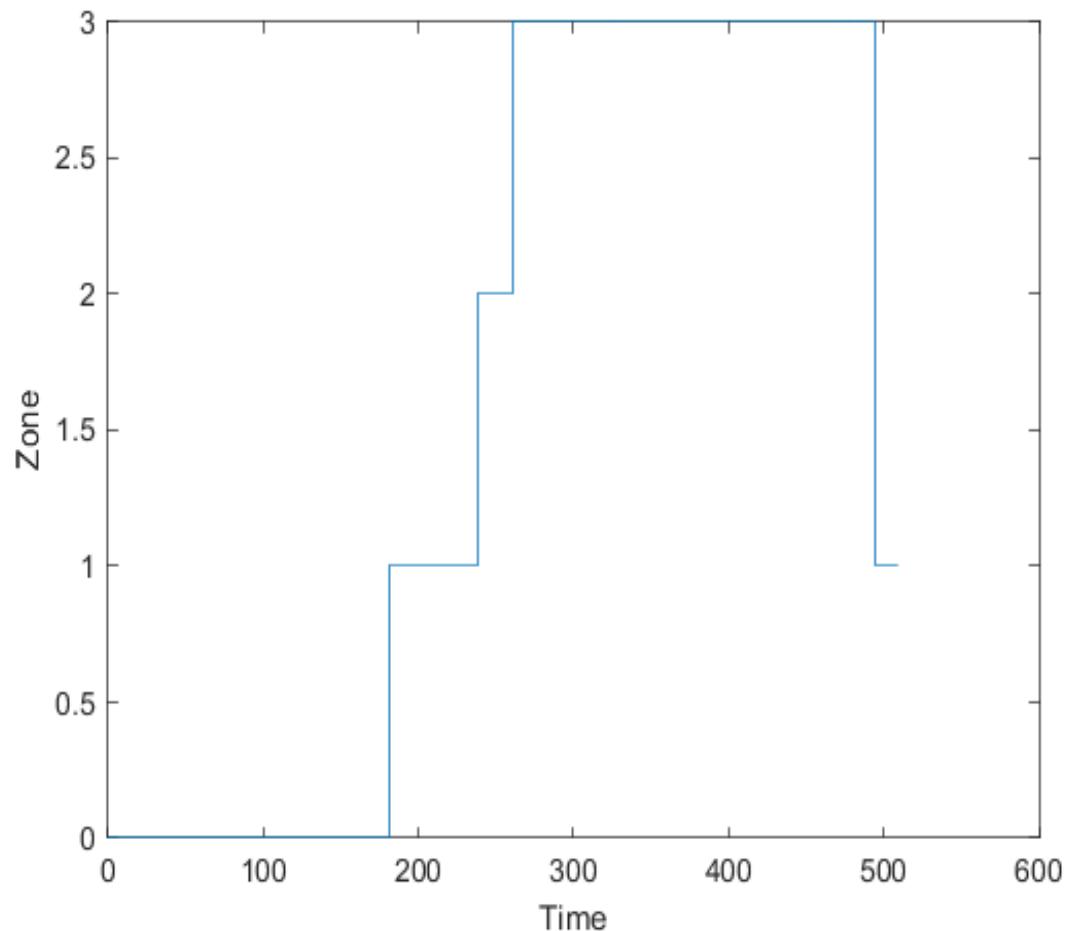
Start Time: 0  
Stop Time: 508.94000000034941  
Checksum: 1804895810 311884904 2855670538 491783774

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

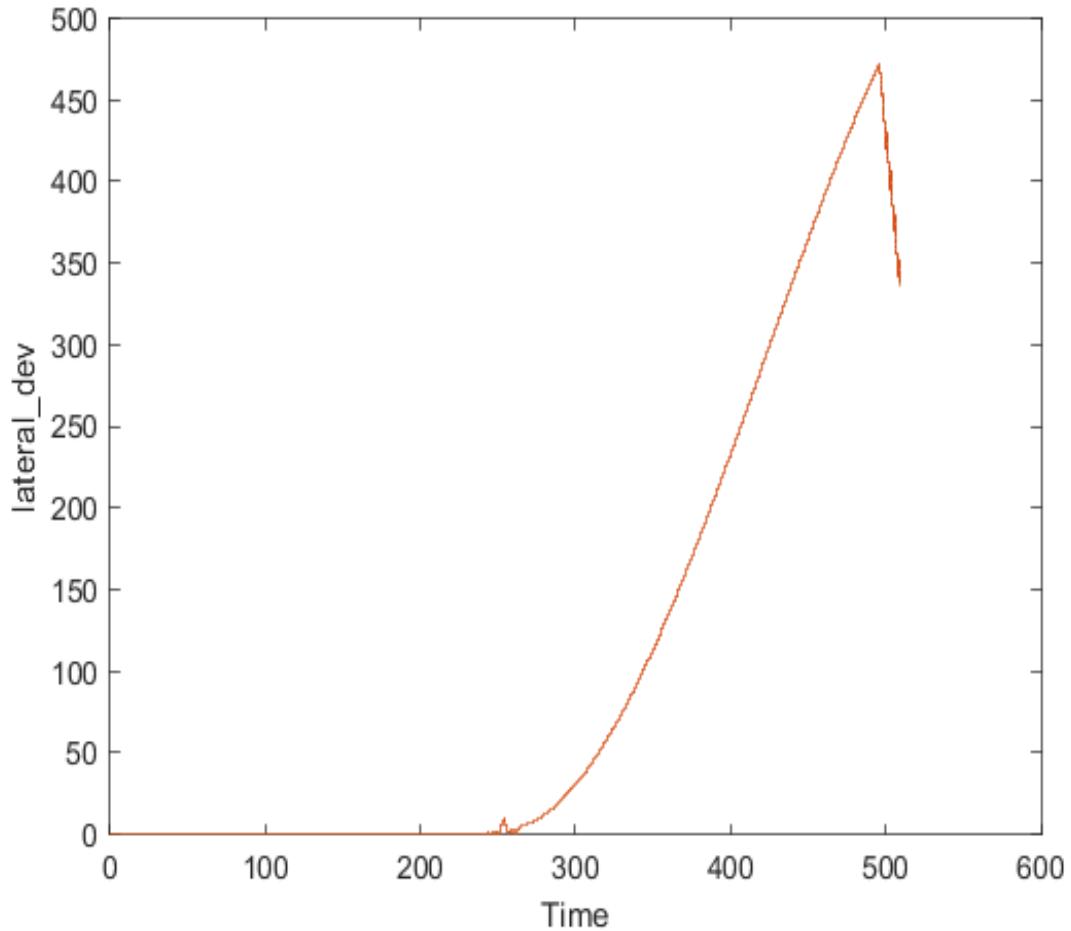
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature counterclockwise 10k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 10km/h](#)  
Start Time: 19-May-2021 21:20:43  
End Time: 19-May-2021 21:22:22  
Outcome: Passed

## Test Case Information

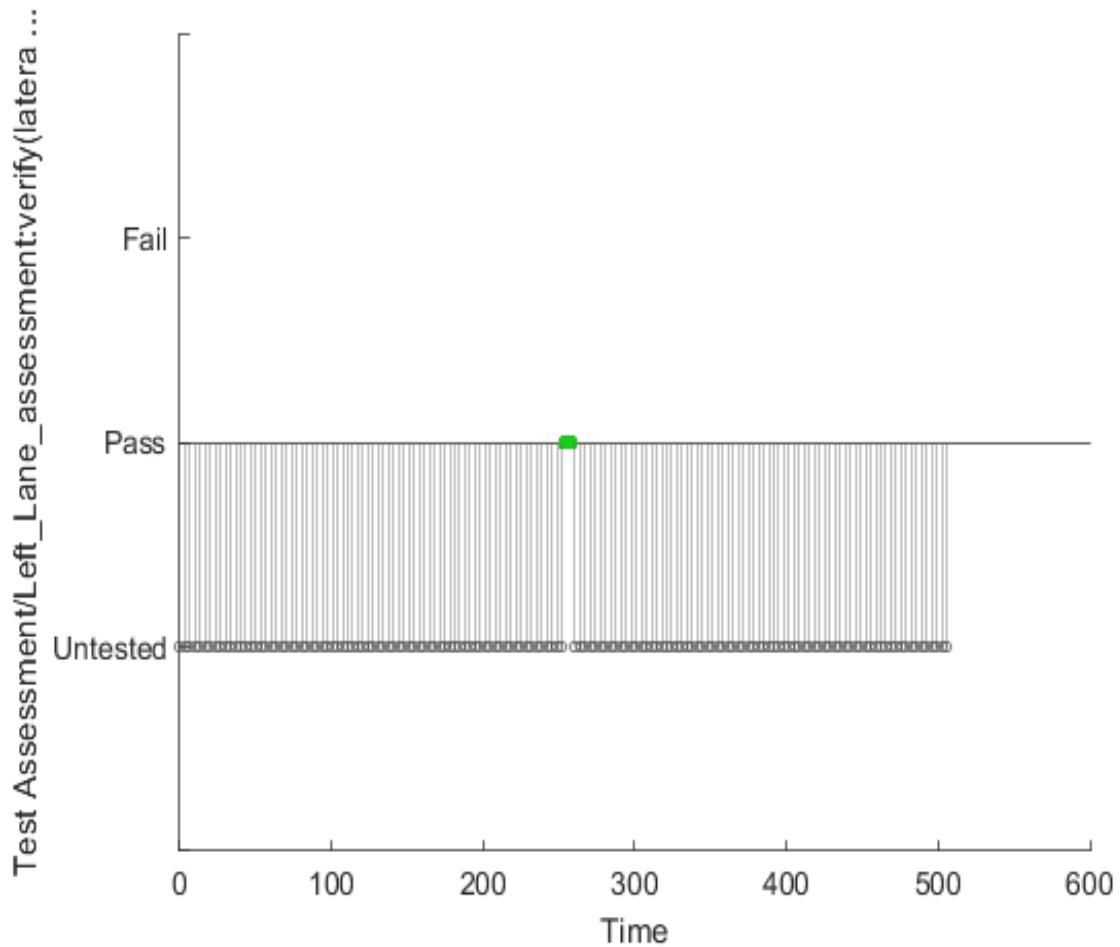
Name: 300m curvature counterclockwise 10km/h  
Type: Simulation Test

## Verify Result

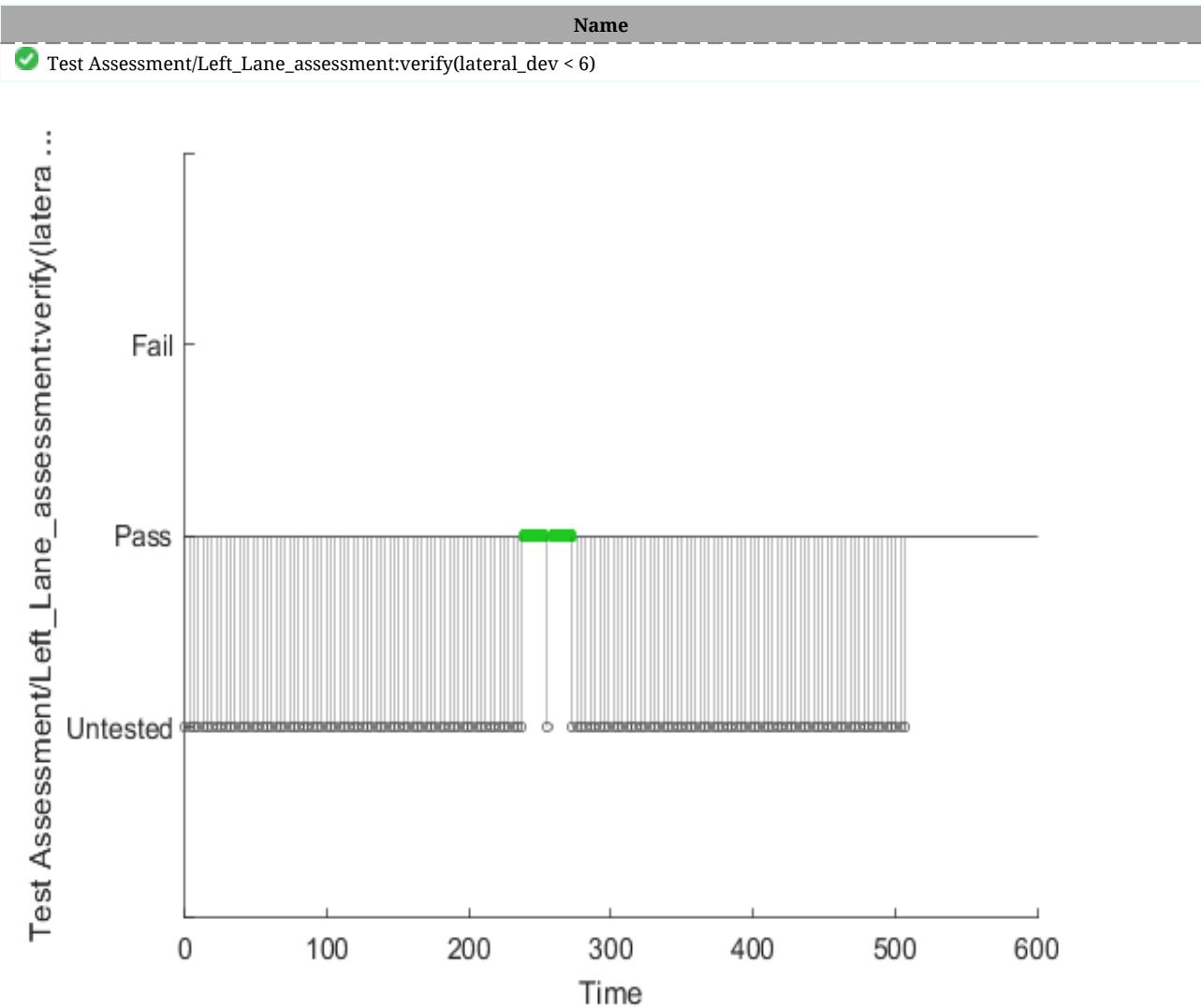
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



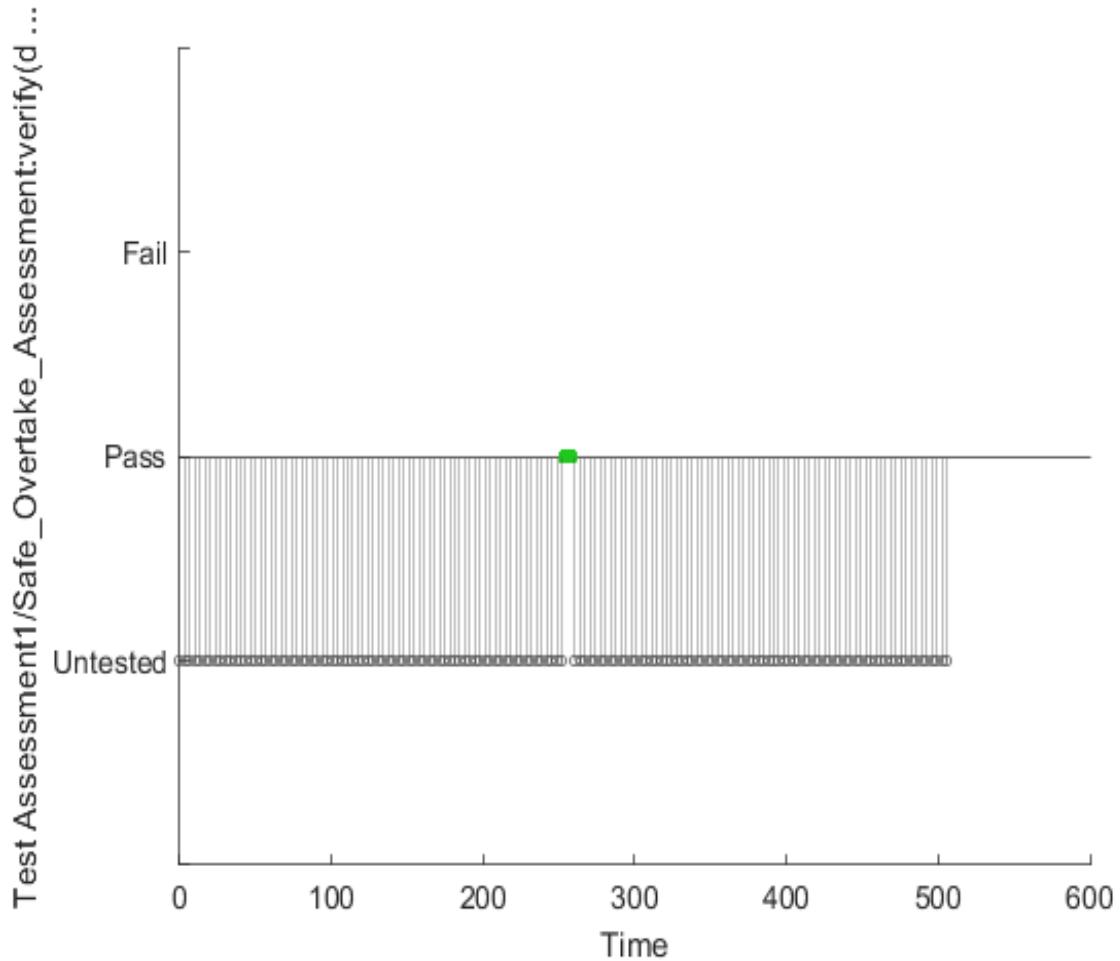
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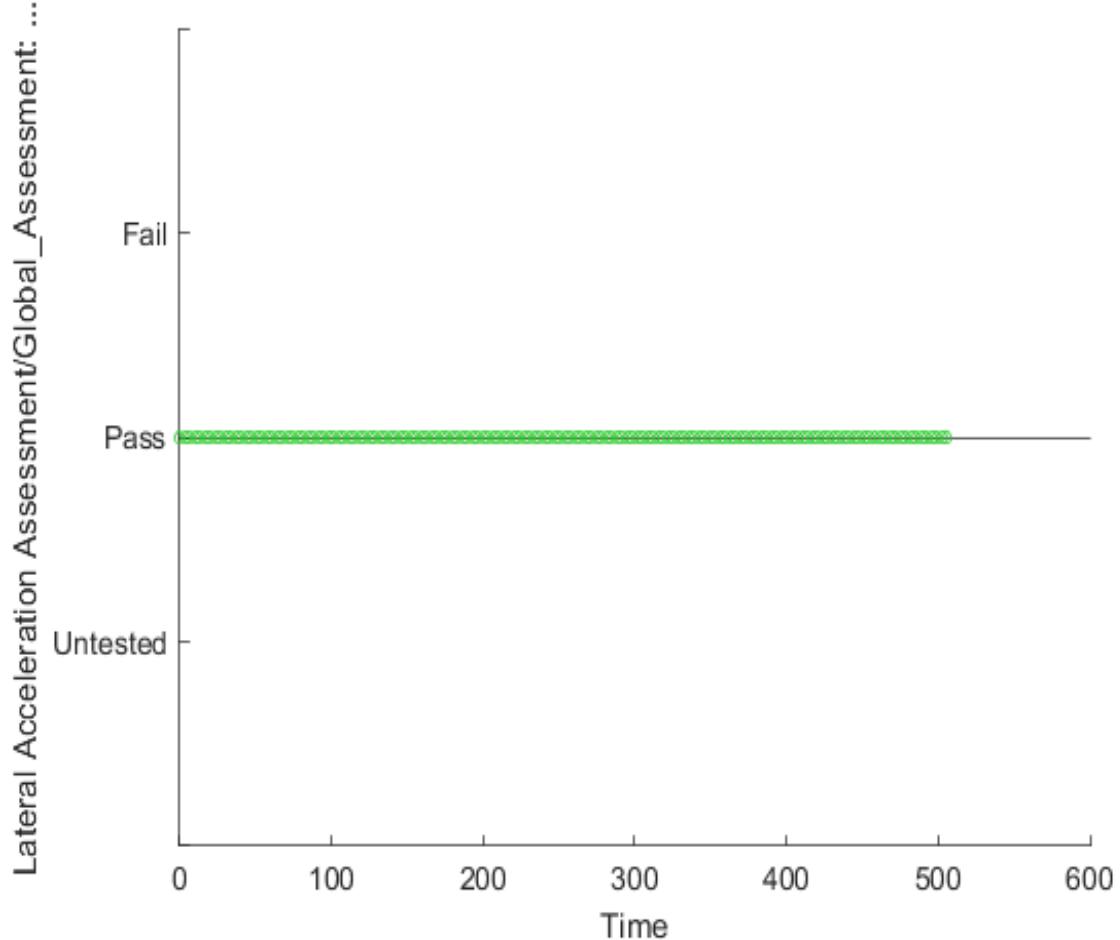
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

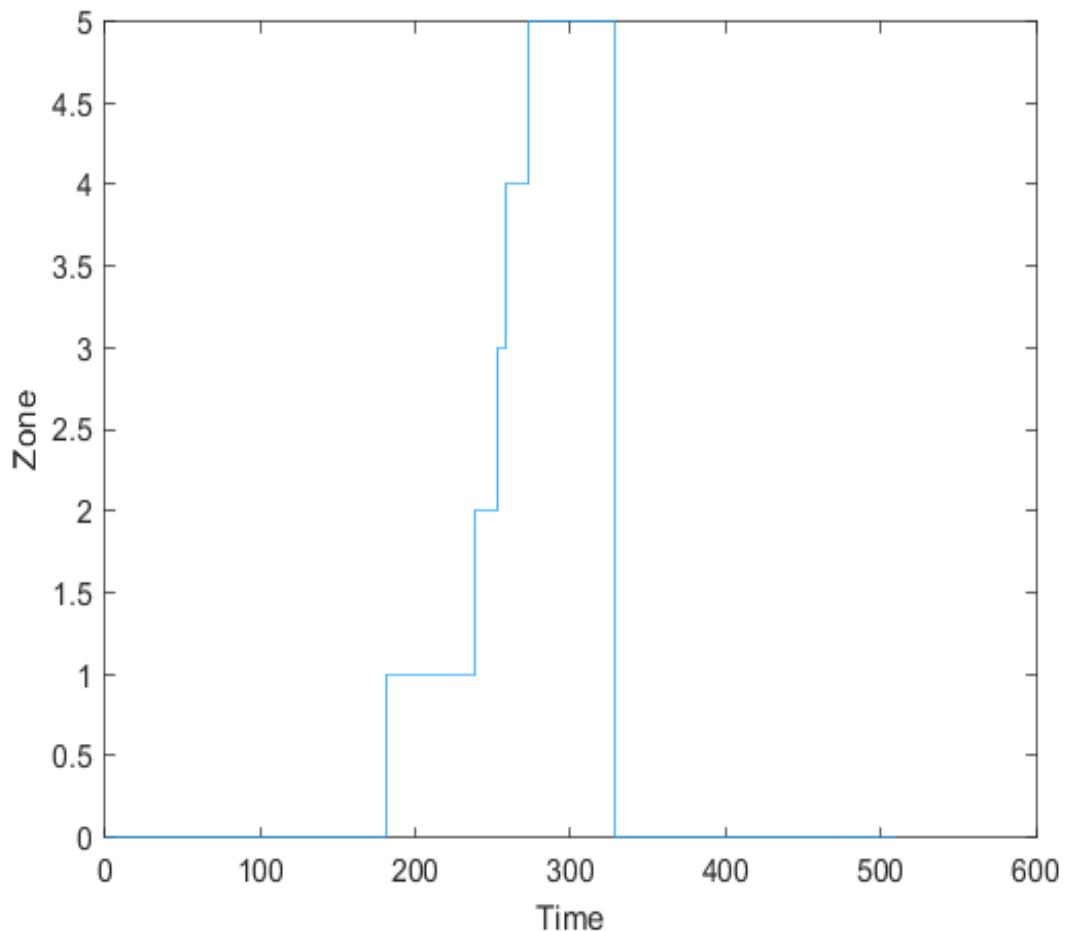
Start Time: 0  
Stop Time: 508.94000000034941  
Checksum: 1804895810 311884904 2855670538 491783774

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

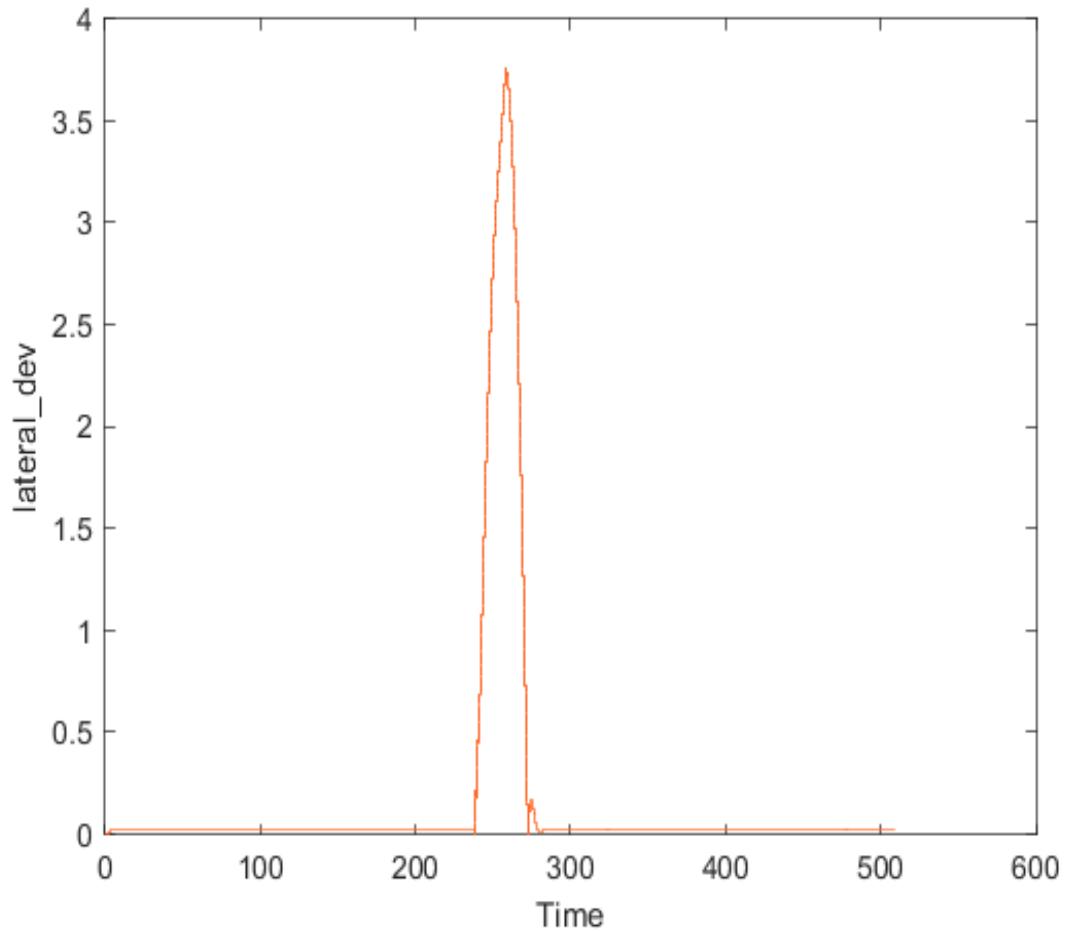
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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---

## 500m curvature counterclockwise 10k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 10km/h](#)  
Start Time: 19-May-2021 21:22:22  
End Time: 19-May-2021 21:26:01  
Outcome: Passed

## Test Case Information

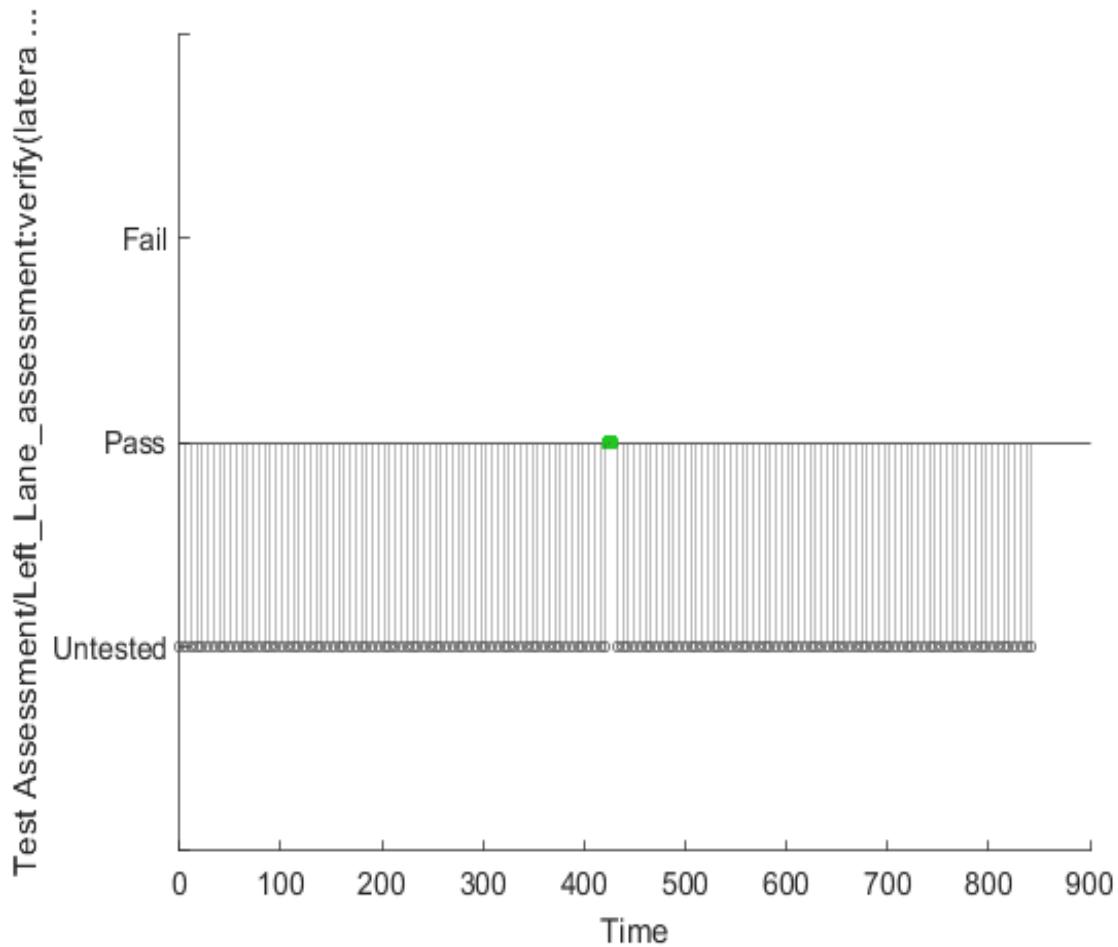
Name: 500m curvature counterclockwise 10km/h  
Type: Simulation Test

## Verify Result

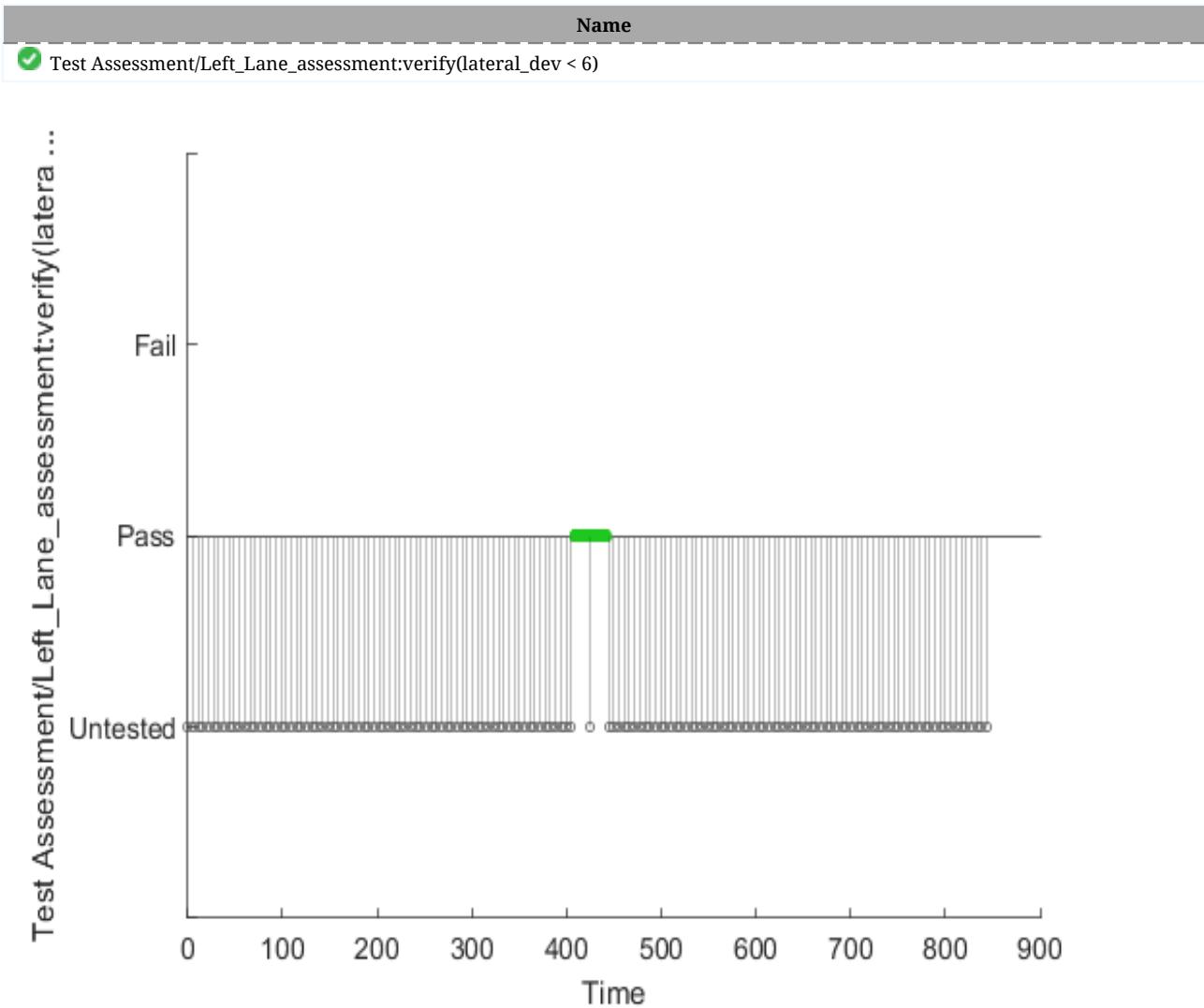
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



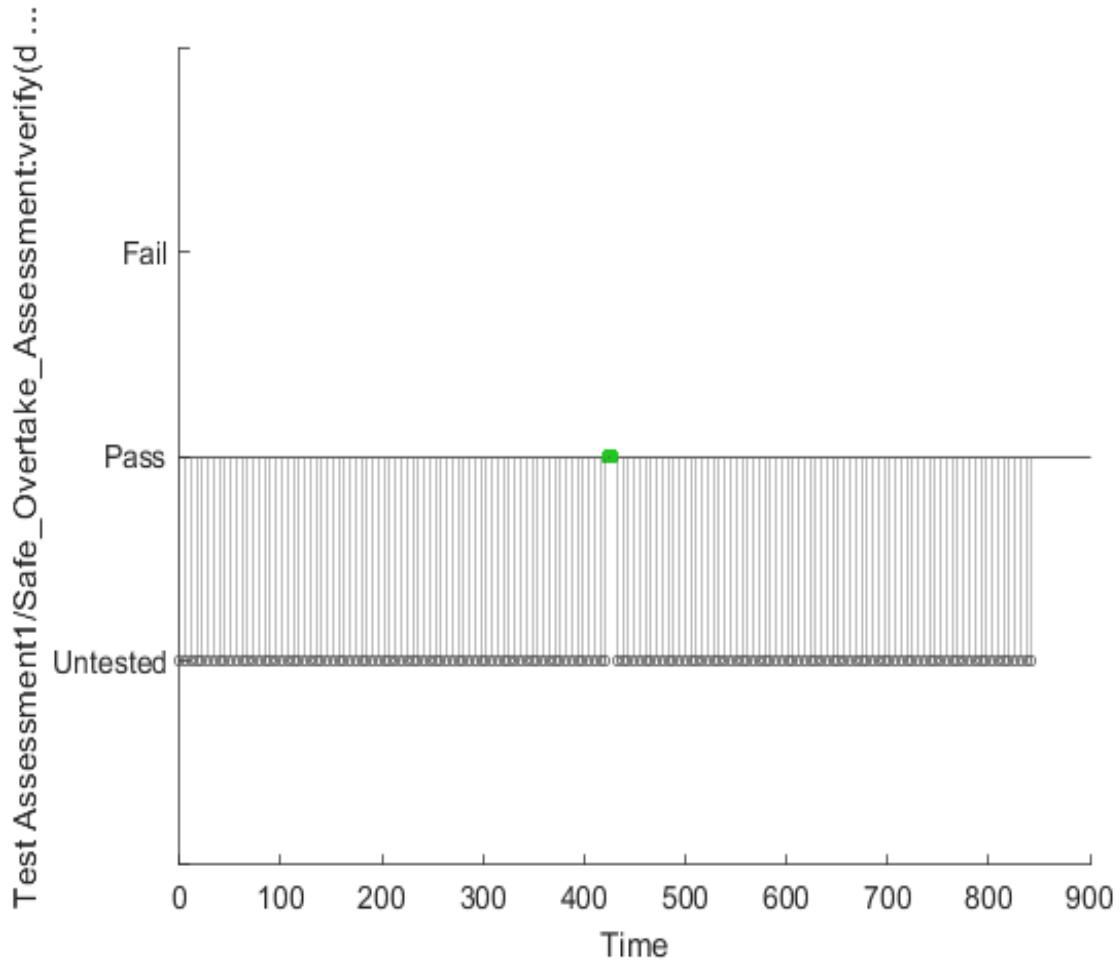
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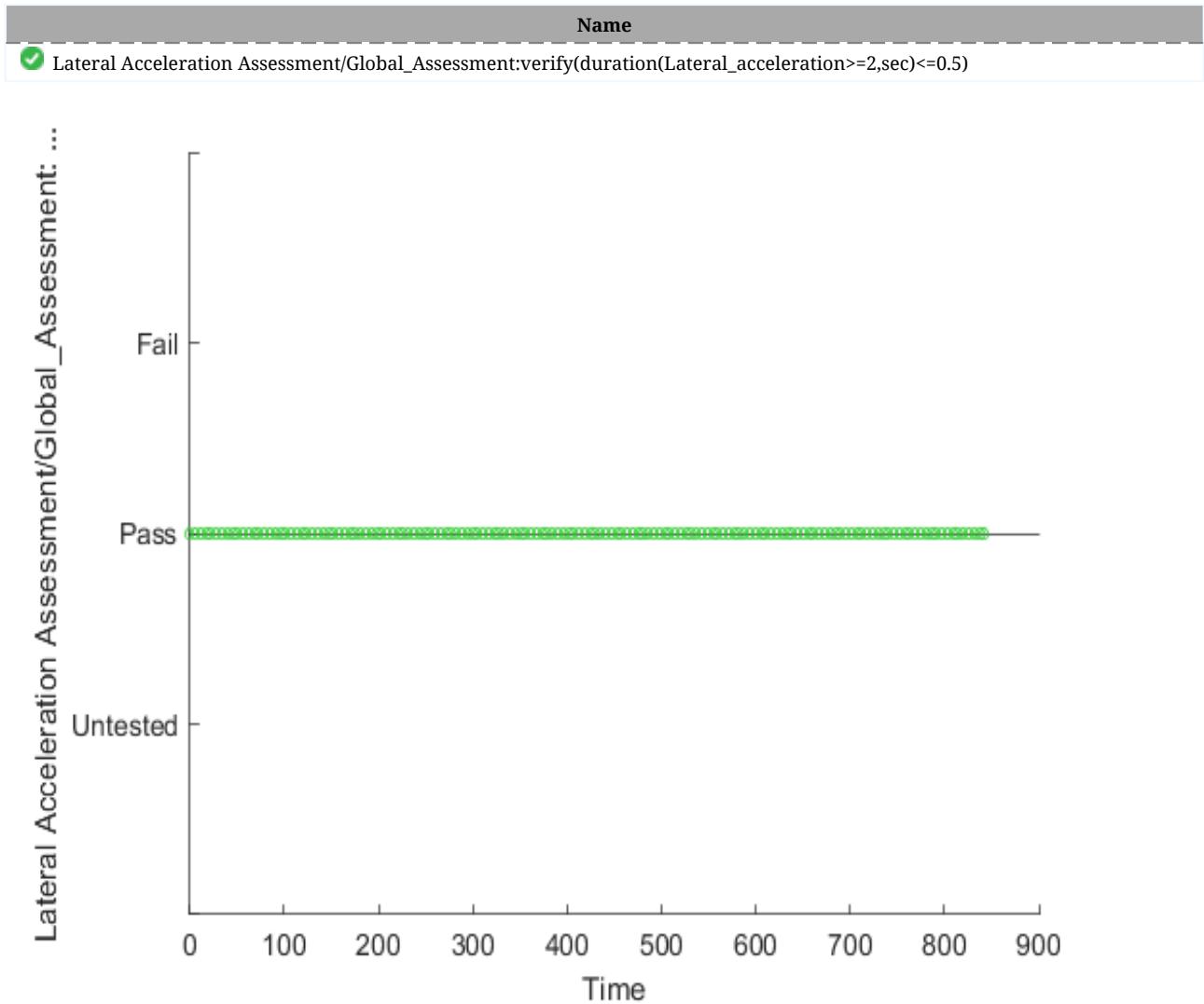
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

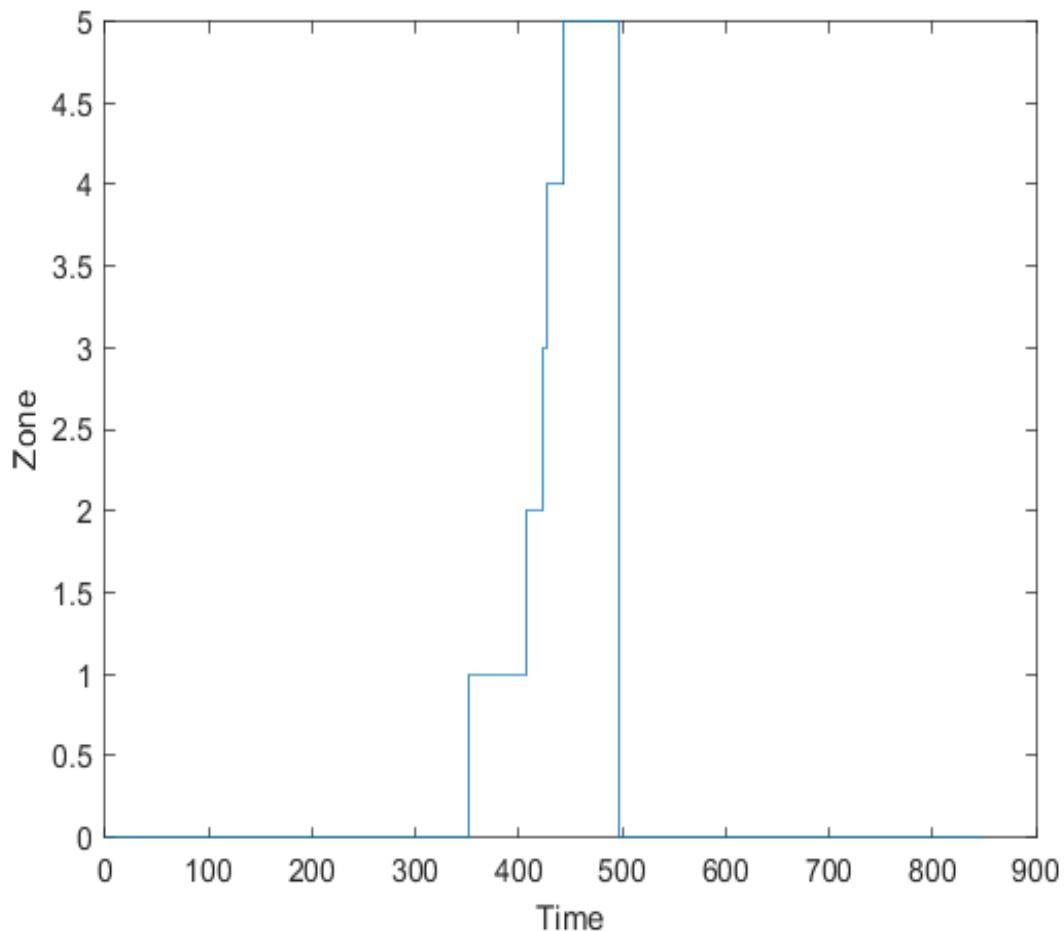
Start Time: 0  
Stop Time: 848.24000000088108  
Checksum: 3761716495 302912933 4016442337 3469617569

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

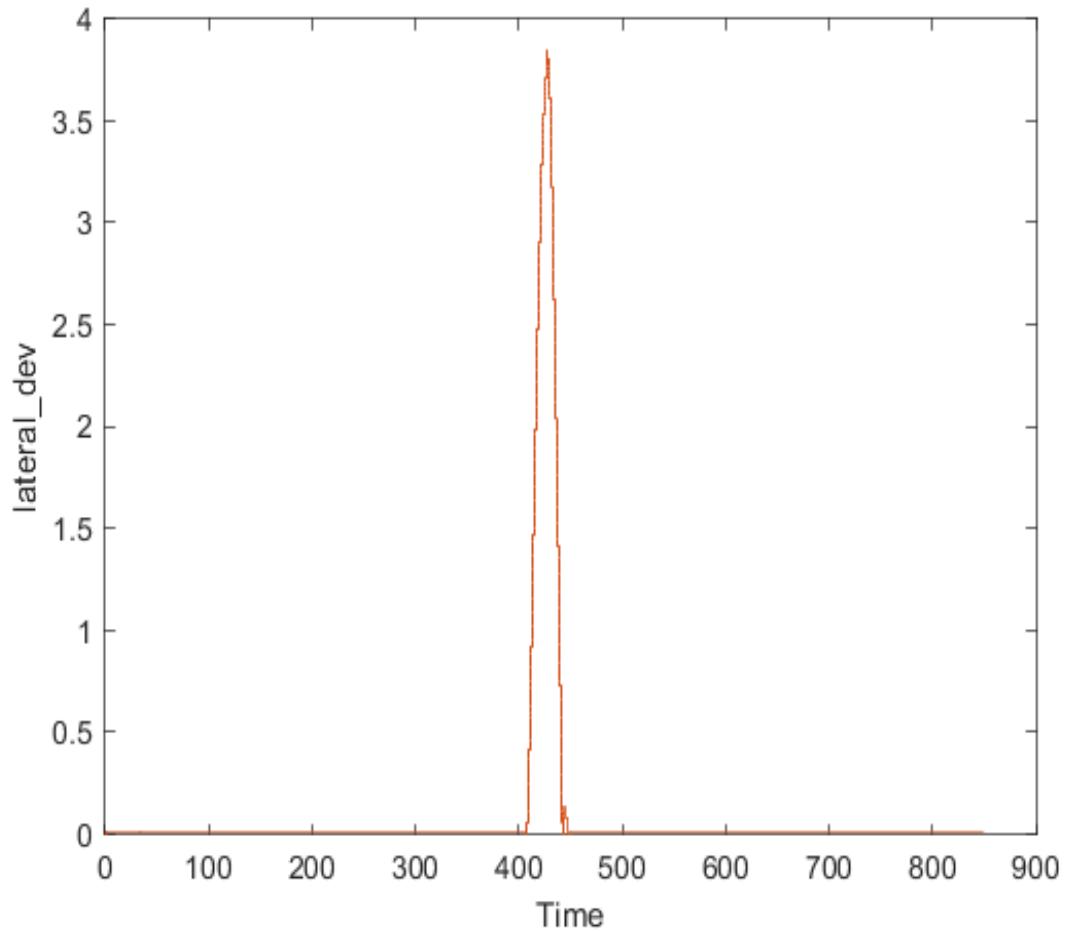
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature counterclockwise 10k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 10km/h](#)  
Start Time: 19-May-2021 21:26:01  
End Time: 19-May-2021 21:37:35  
Outcome: Passed

## Test Case Information

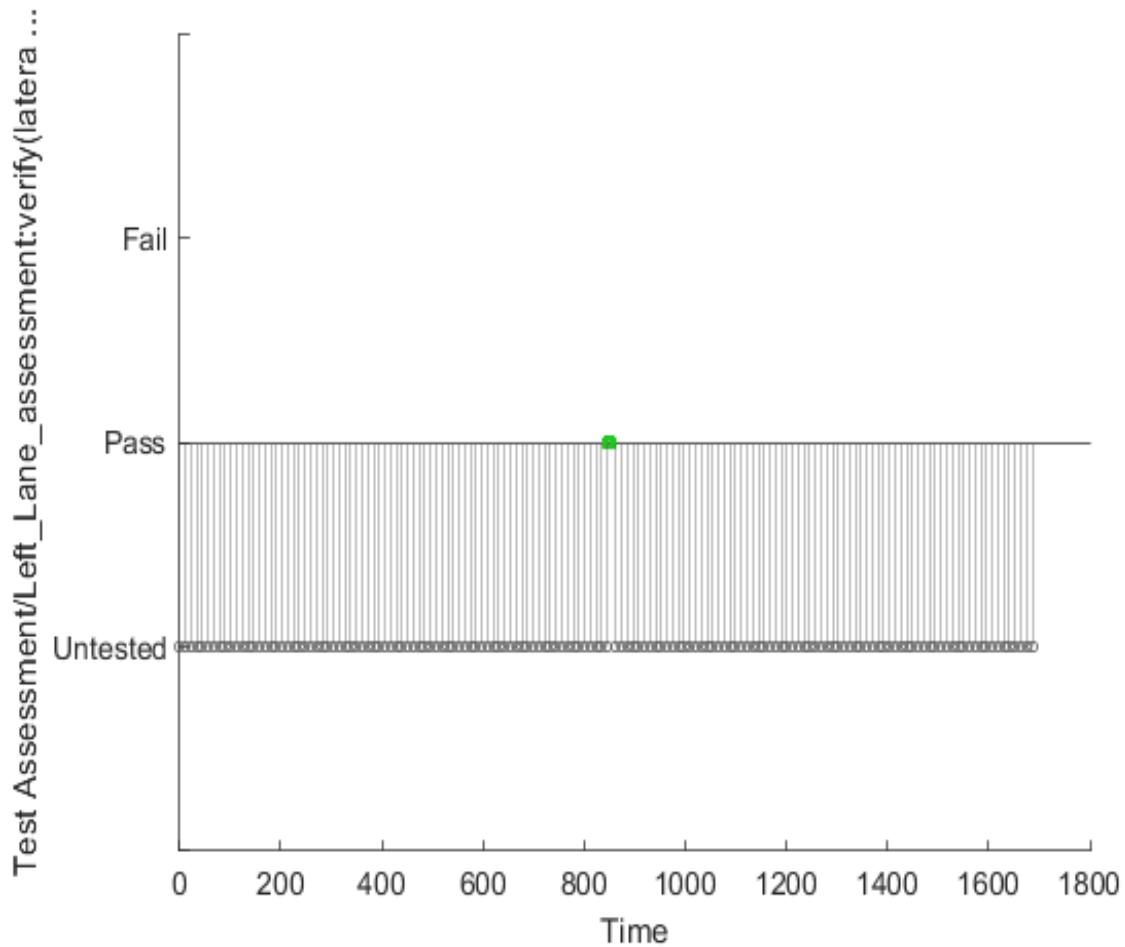
Name: 1000m curvature counterclockwise 10km/h  
Type: Simulation Test

## Verify Result

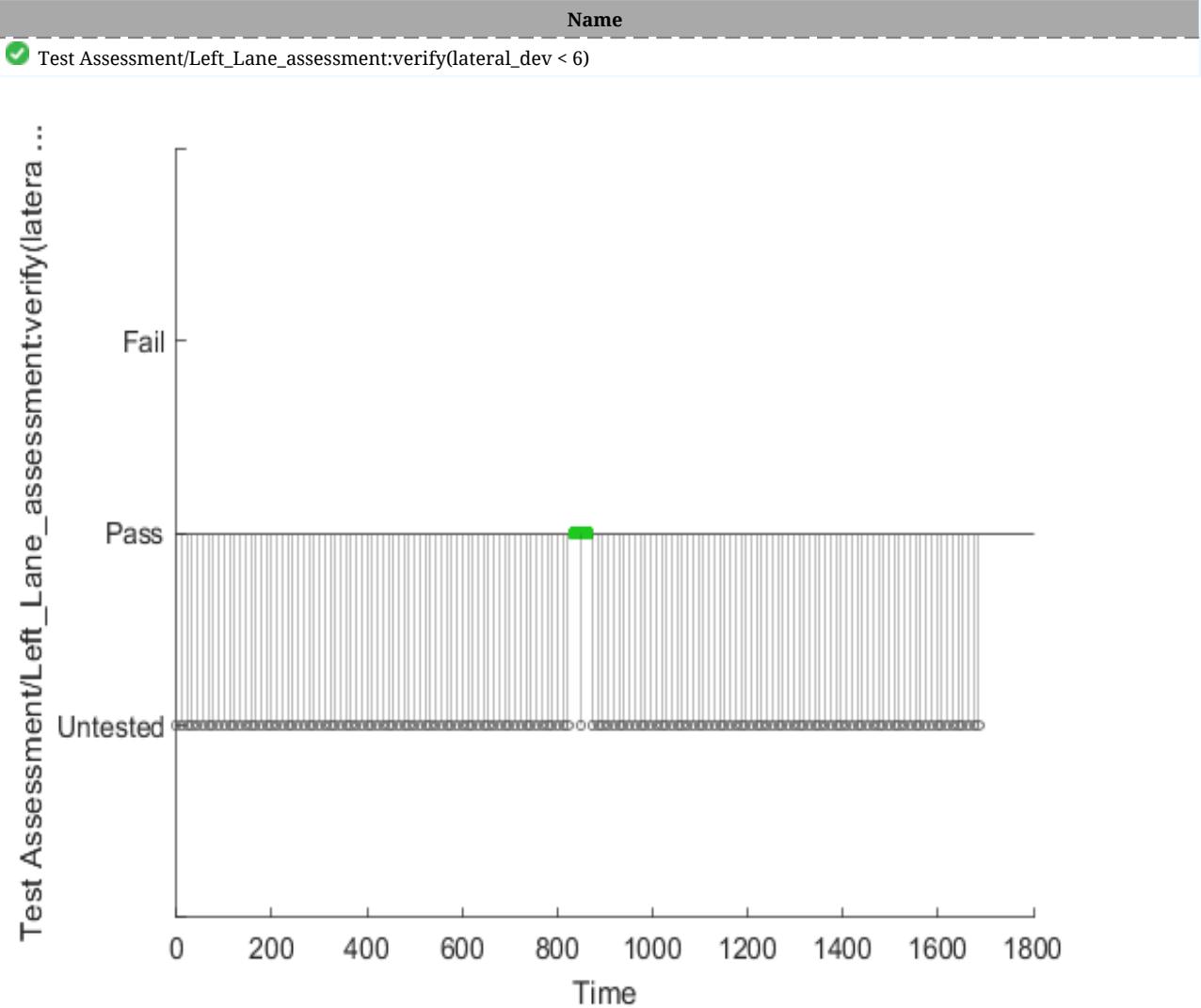
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



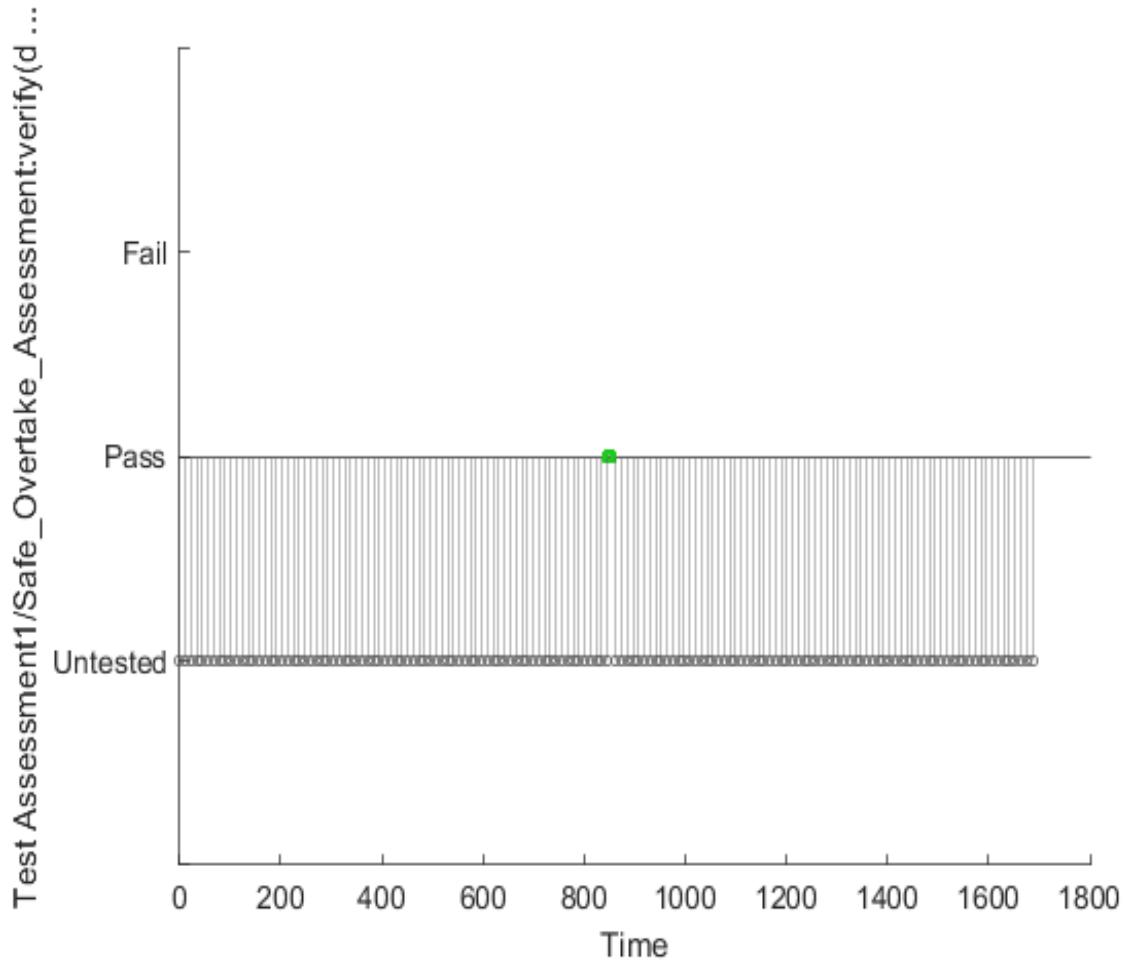
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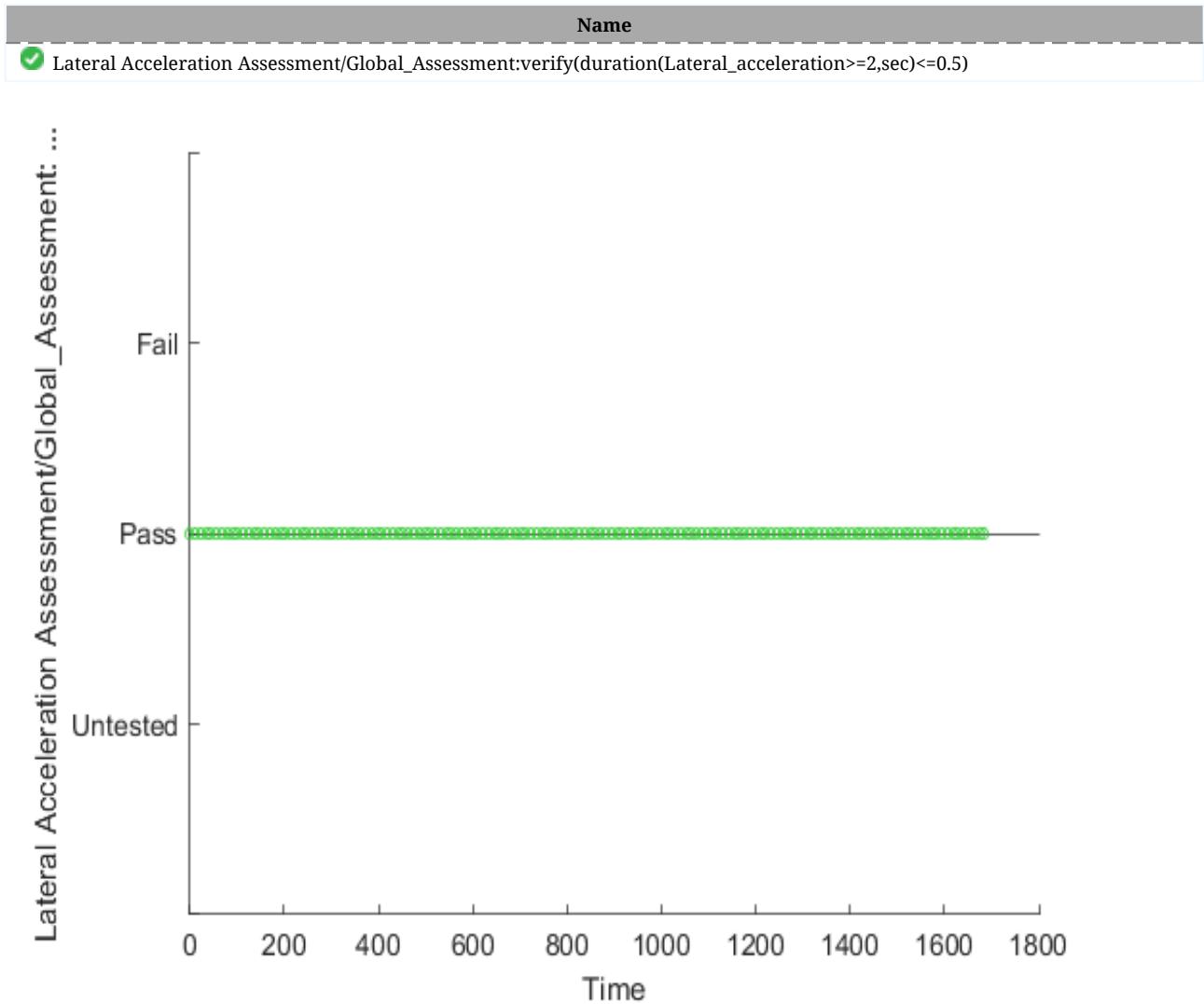
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

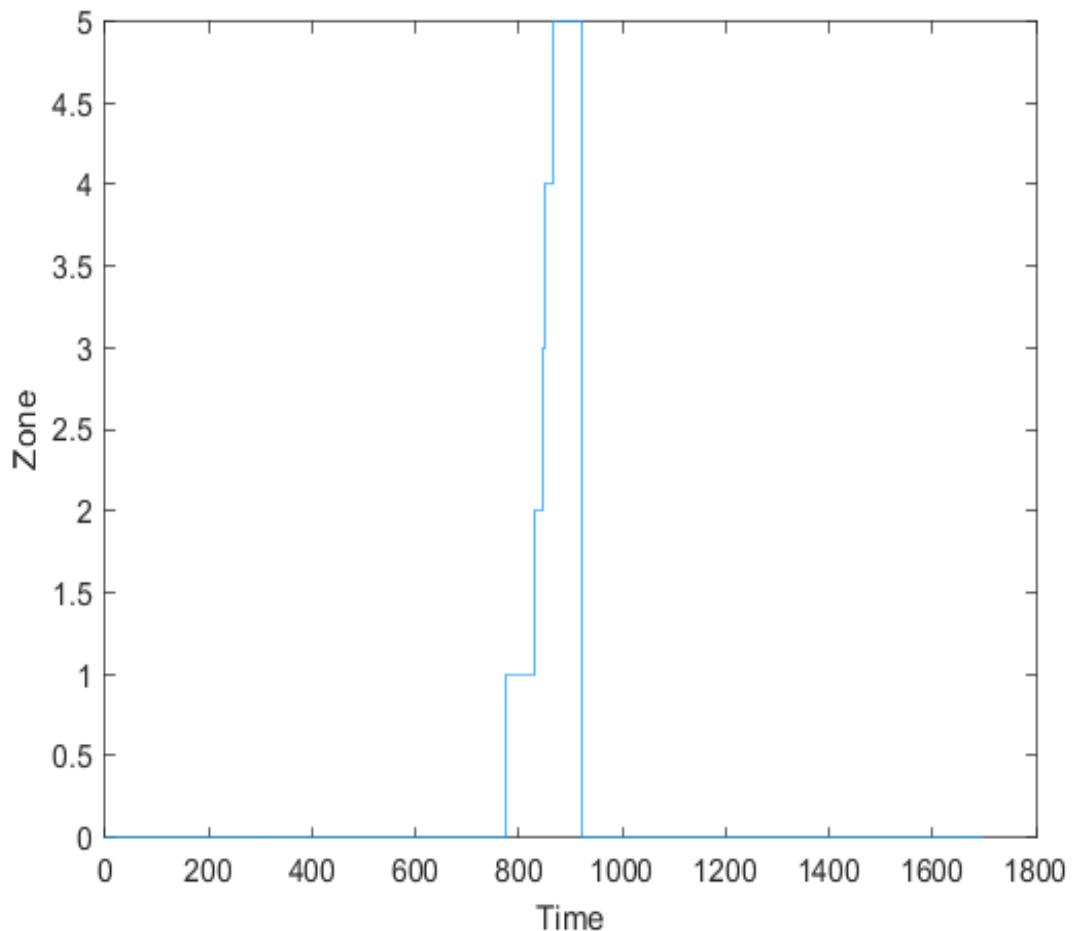
Start Time: 0  
Stop Time: 1696.4700000004091  
Checksum: 2690226020 2403446319 3734925498 3659877899

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

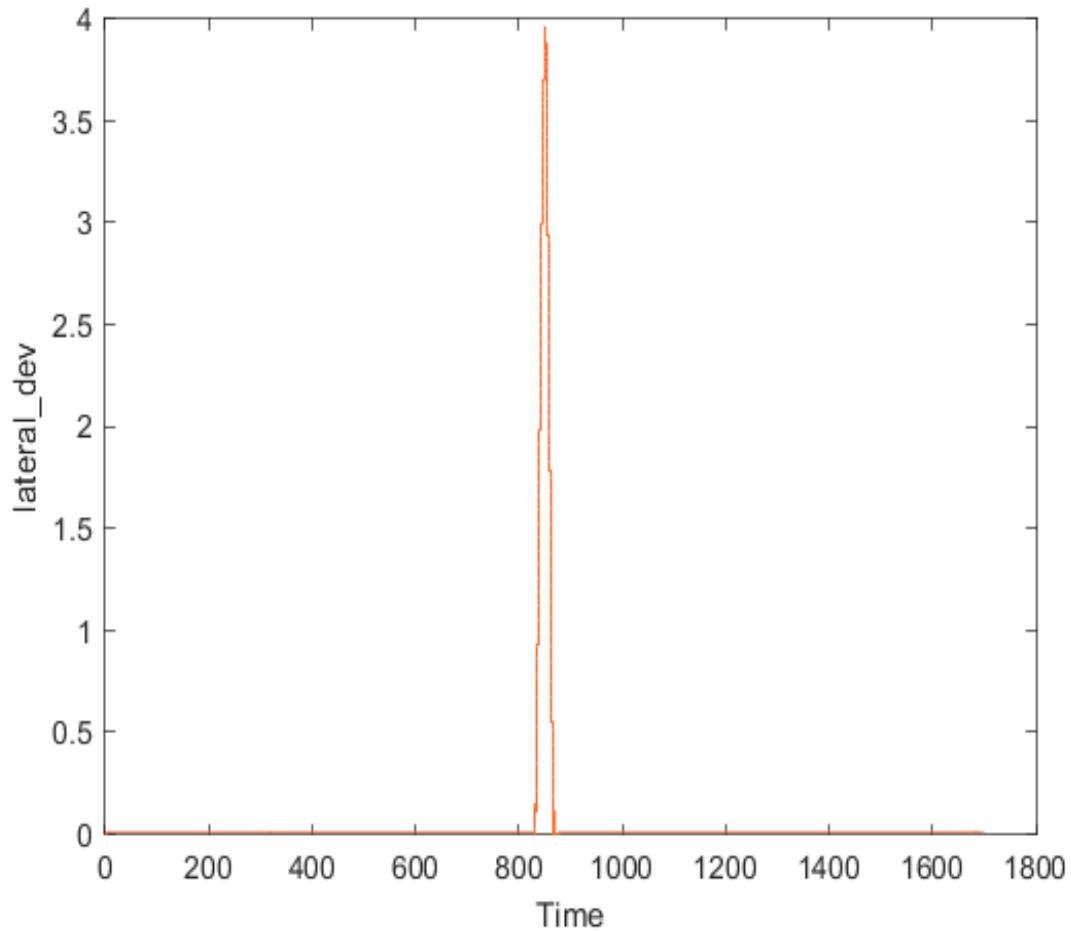
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## Single\_static\_obstacle\_100km/h

### Test Result Information

Result Type: Test Suite Result  
Parent: [Static\\_obstacle\\_avoidance](#)

Start Time: 19-May-2021 21:37:35  
End Time: 19-May-2021 21:40:52  
Outcome: Total: 22, Passed: 21, Failed: 1

## Test Suite Information

Name: Single\_static\_obstacle\_100km/h

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## 0° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)  
Start Time: 19-May-2021 21:37:35  
End Time: 19-May-2021 21:37:41  
Outcome: Passed

### Test Case Information

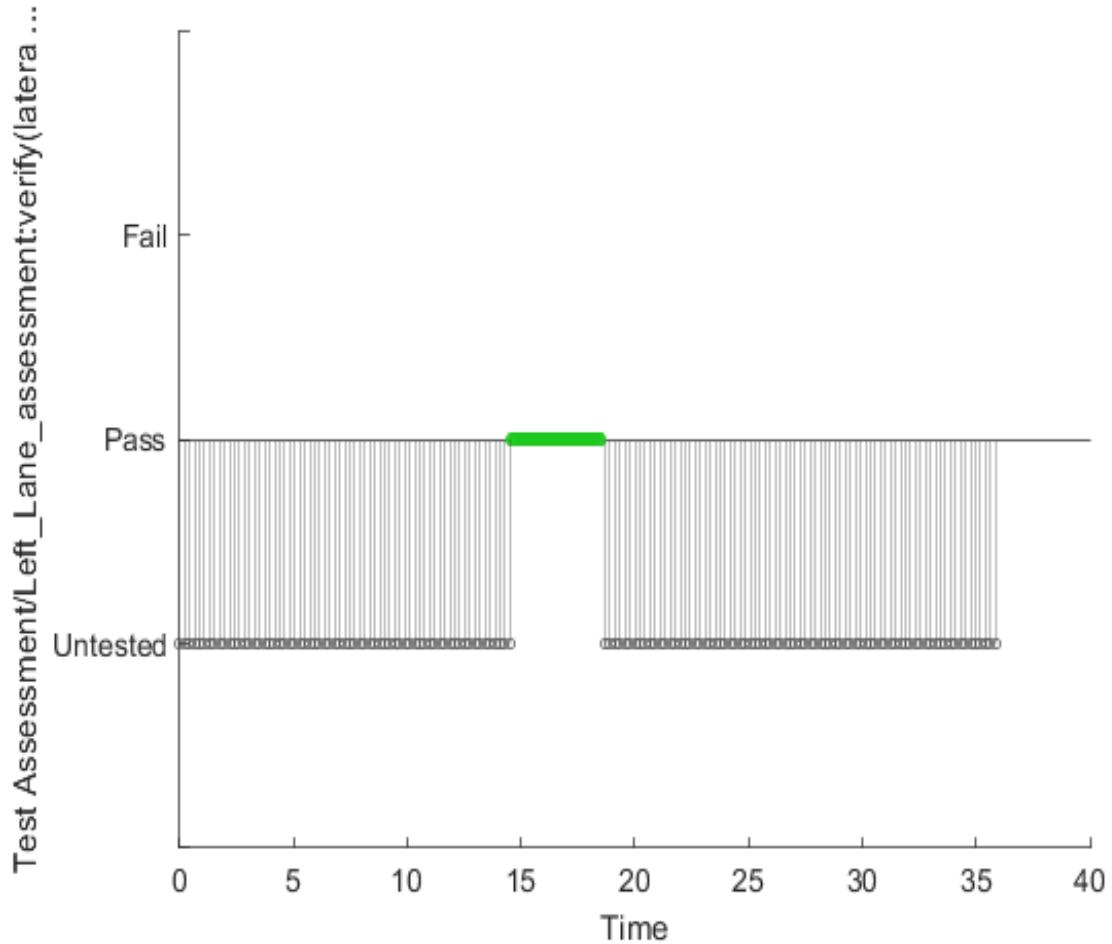
Name: 0° 100km/h  
Type: Simulation Test

### Verify Result

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

### Name

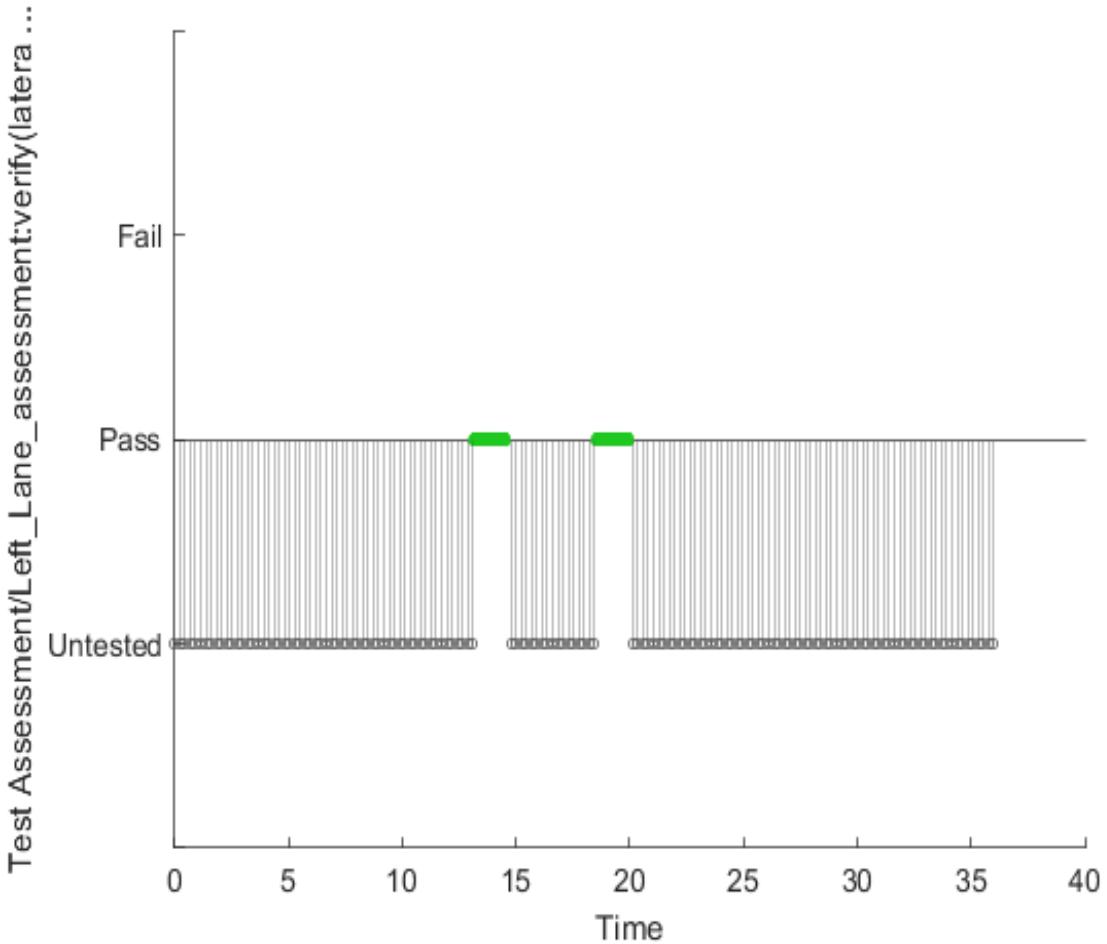
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

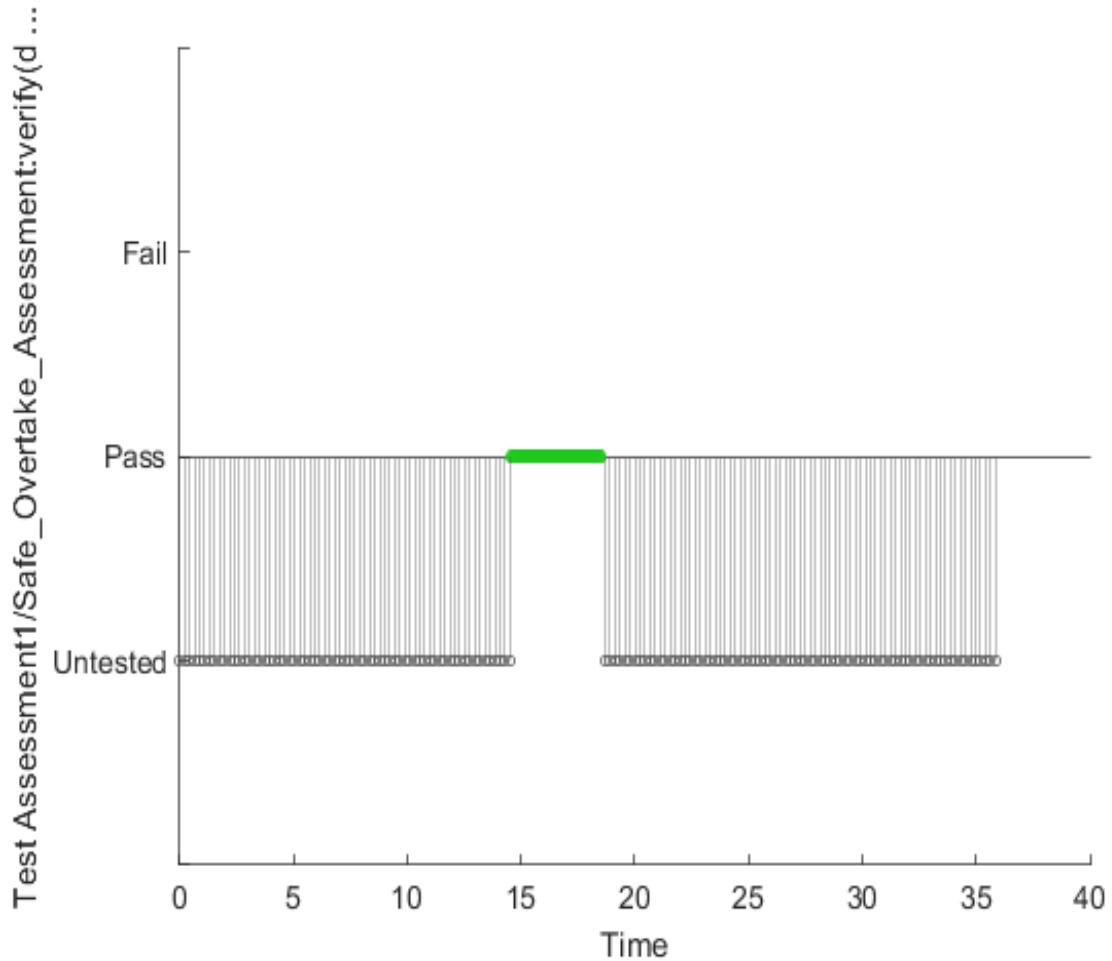
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



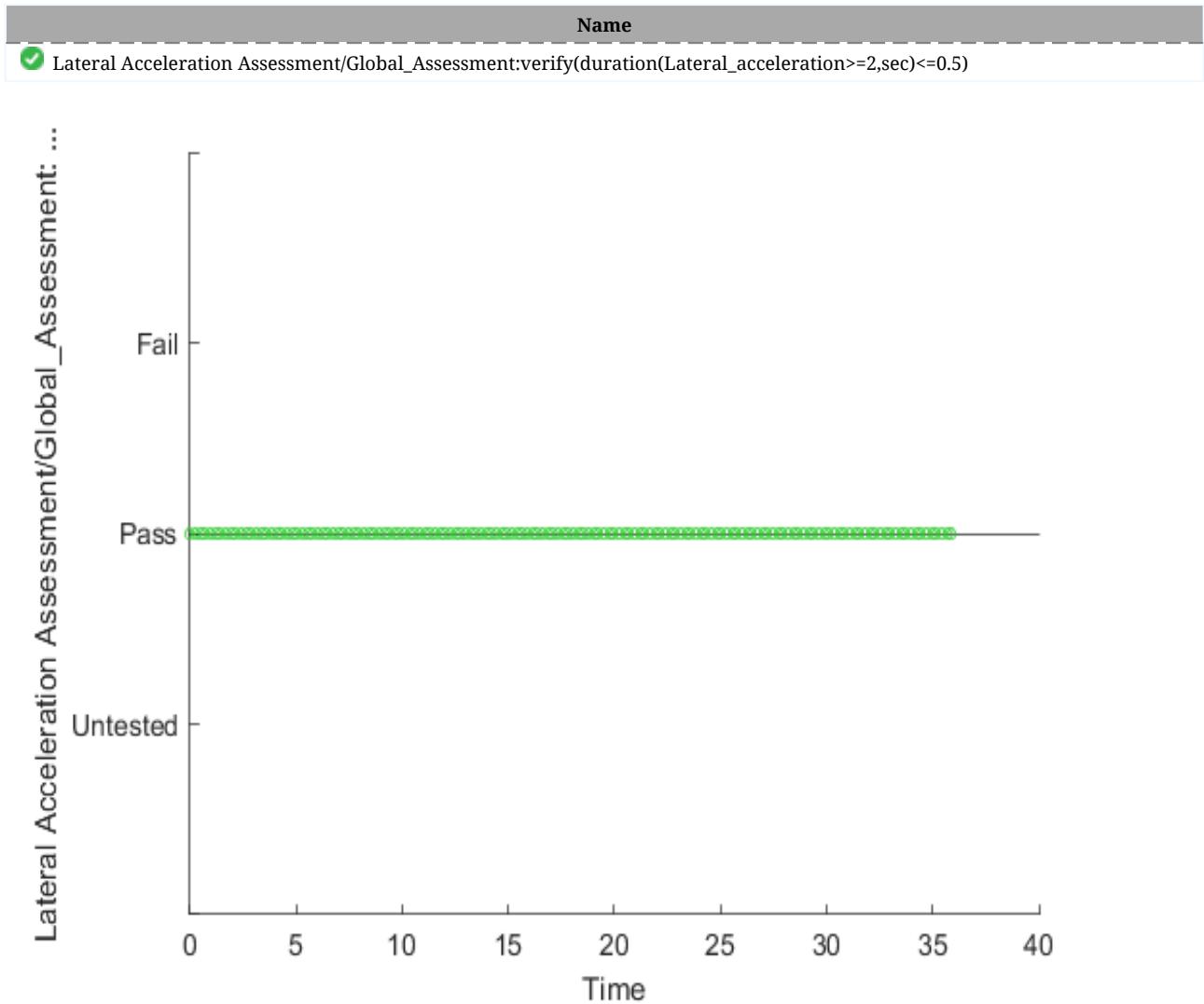
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

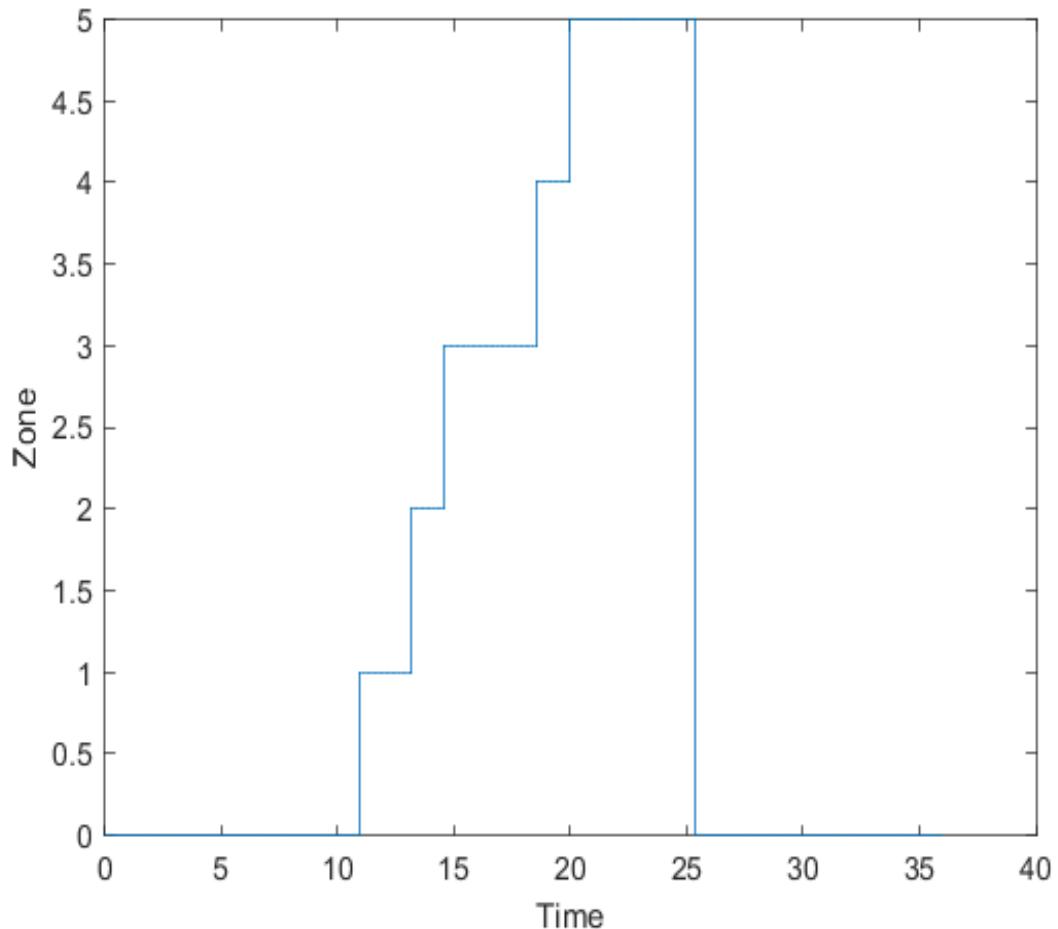
Start Time: 0  
Stop Time: 36  
Checksum: 554897310 492176260 791034472 2655960625

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

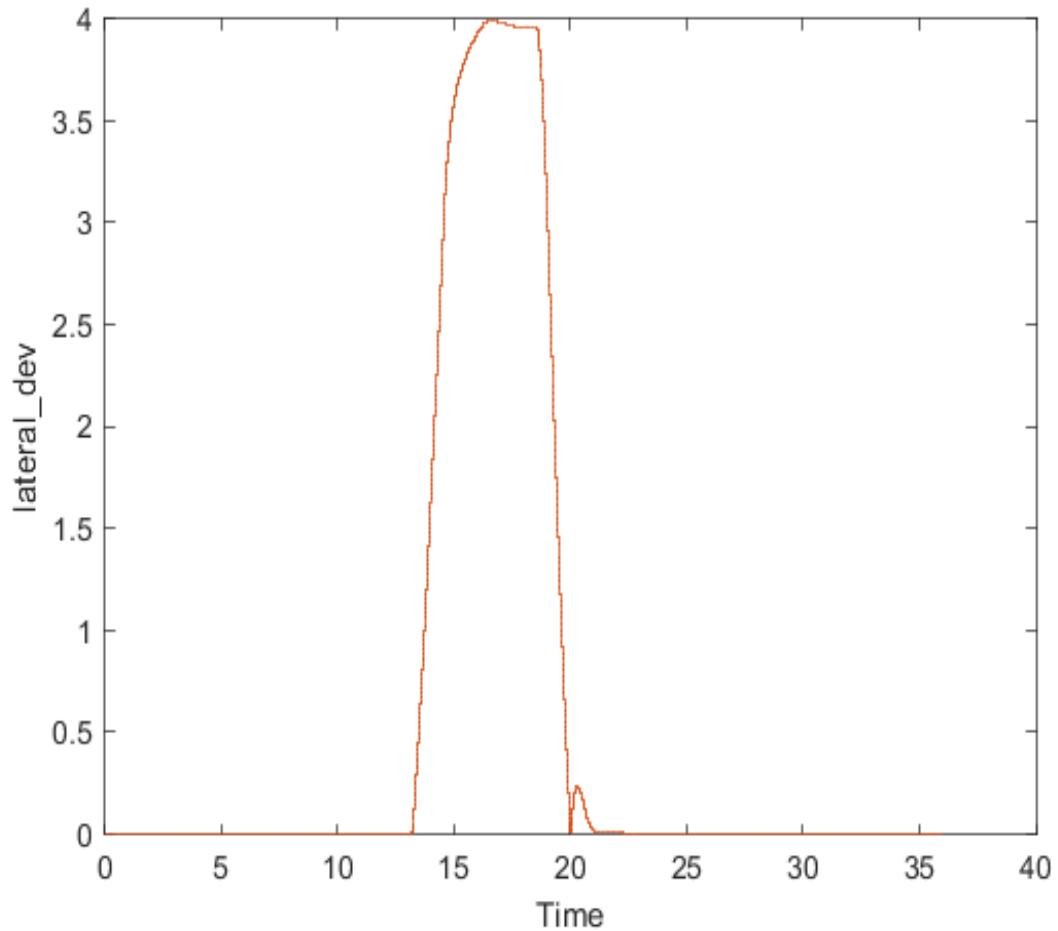
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 20° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:37:41  
End Time: 19-May-2021 21:37:47  
Outcome: Passed

## Test Case Information

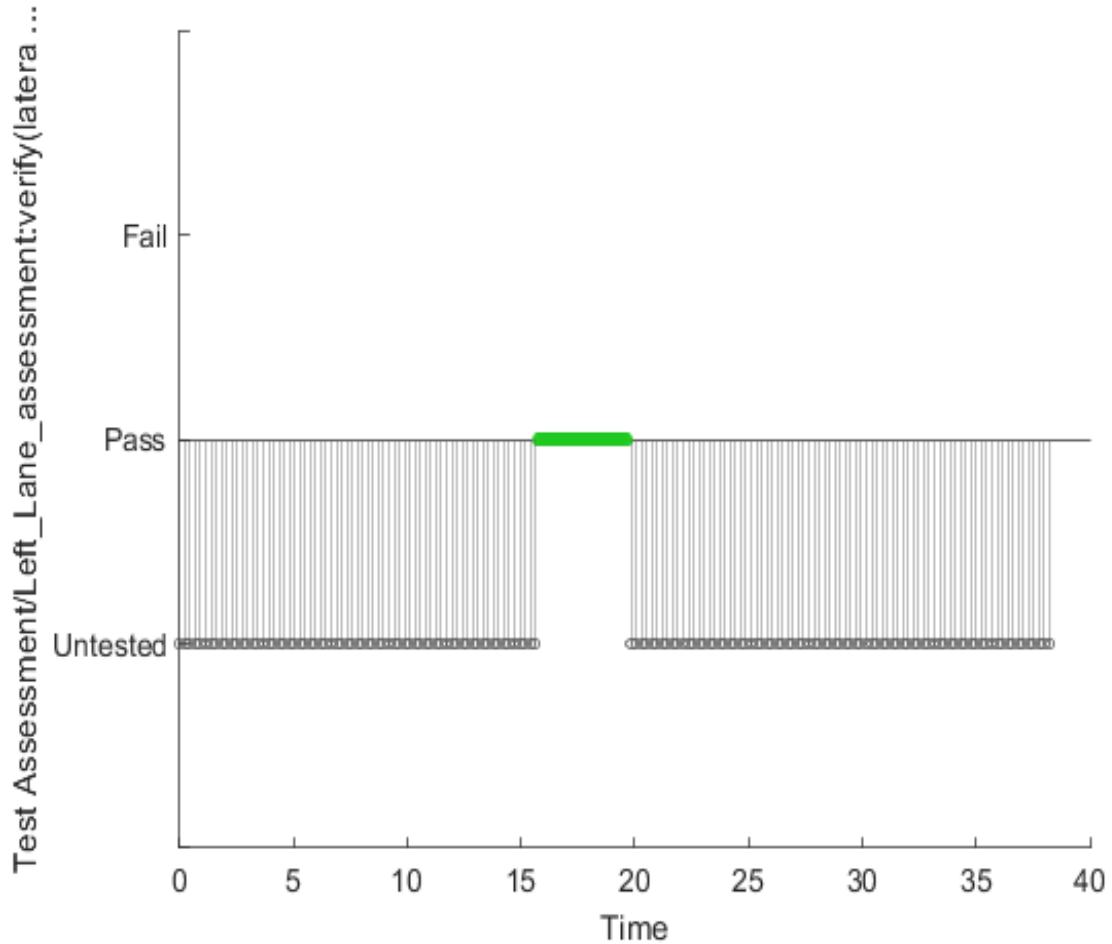
Name: 20° 100km/h  
Type: Simulation Test

## Verify Result

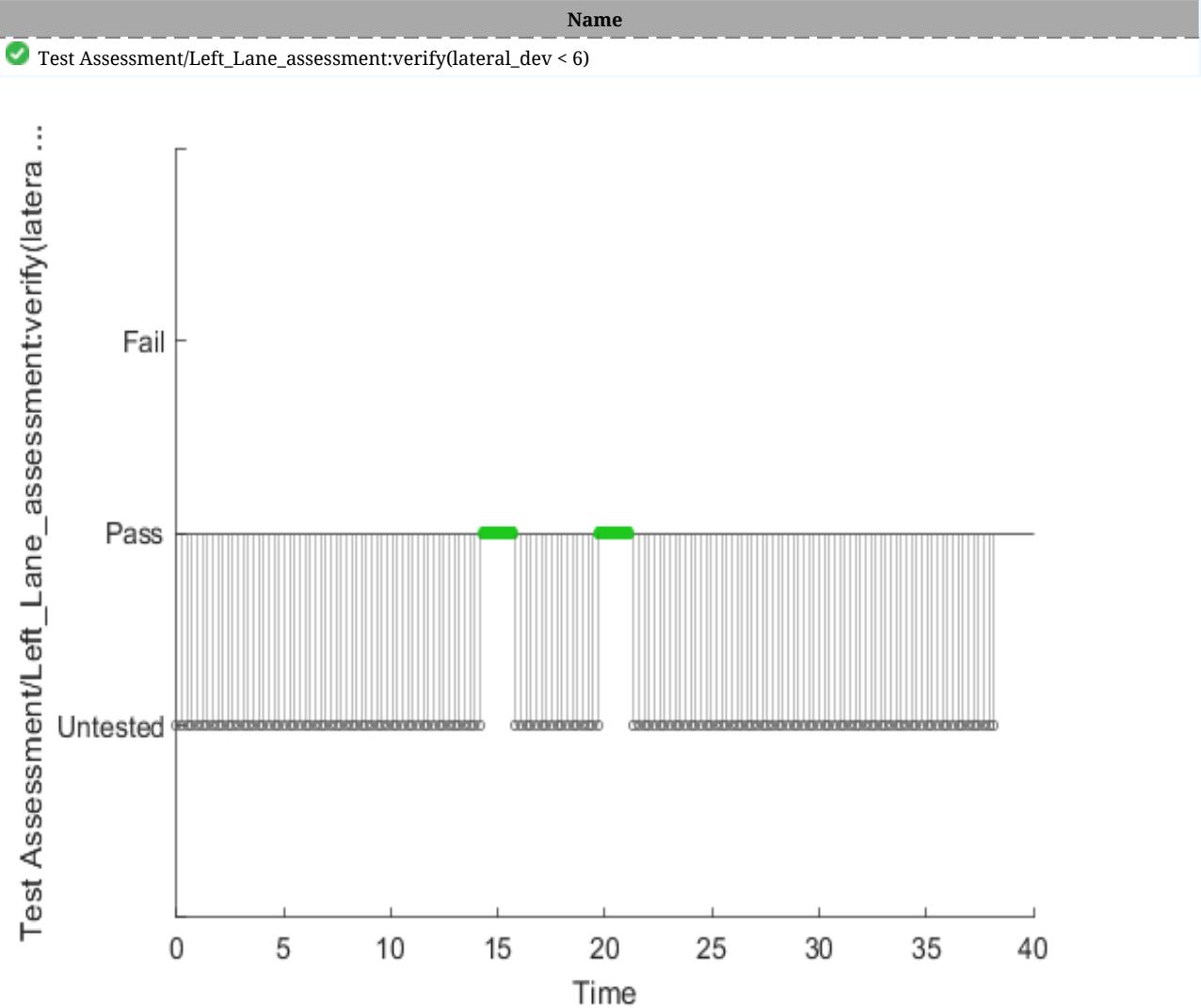
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



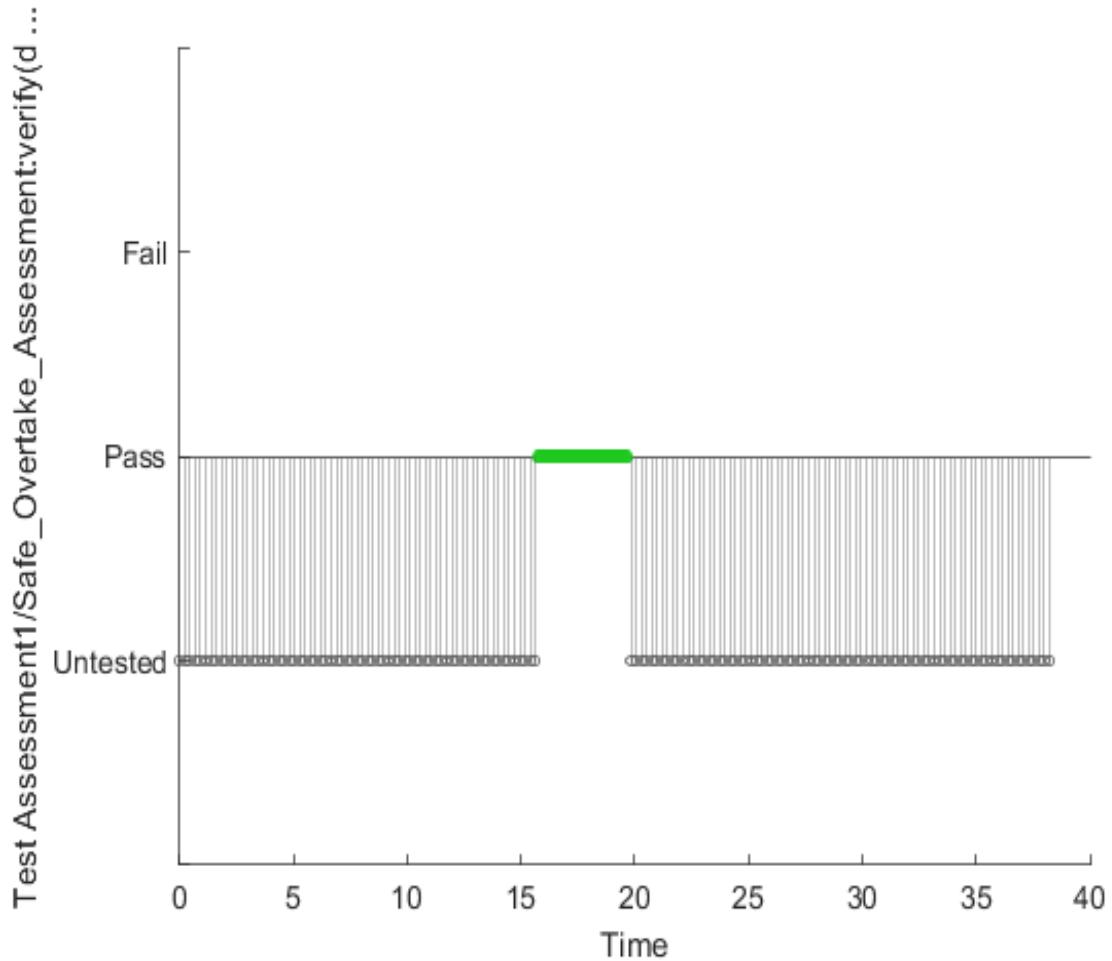
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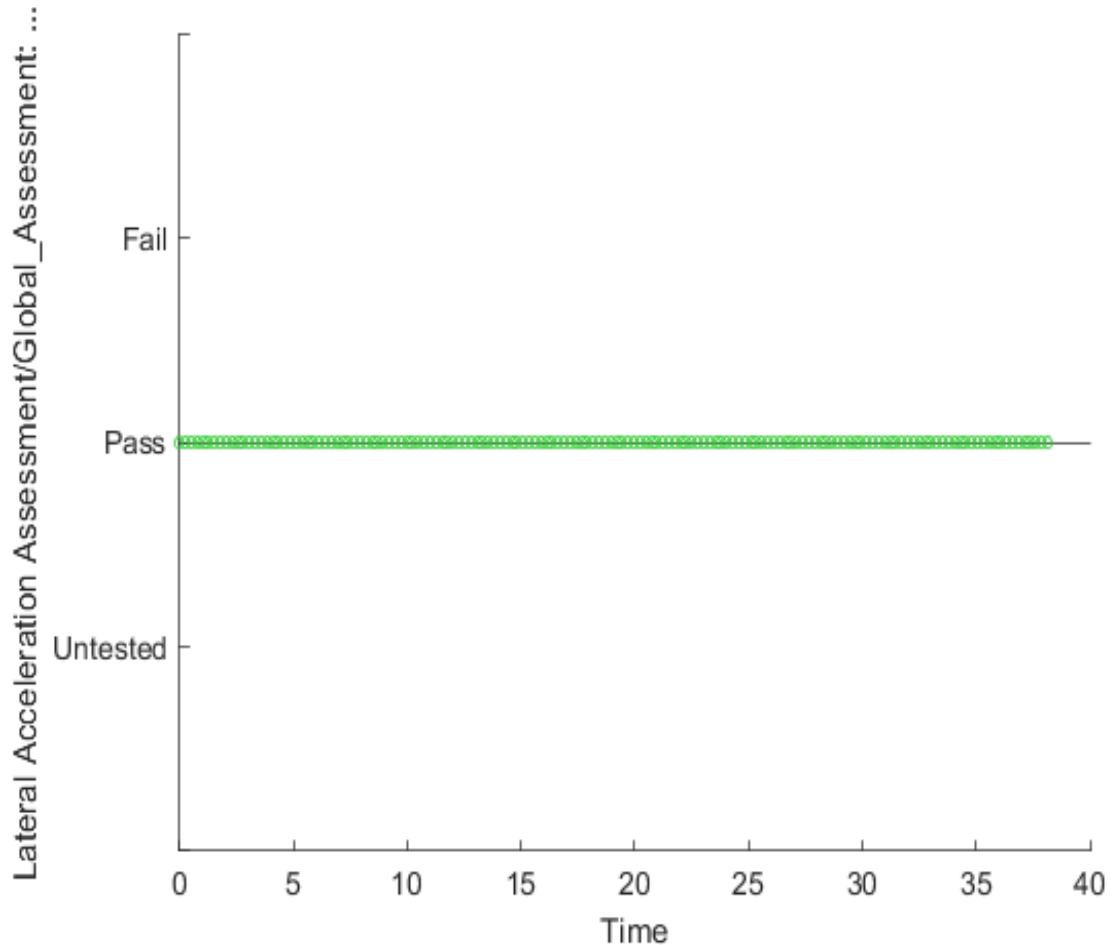
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

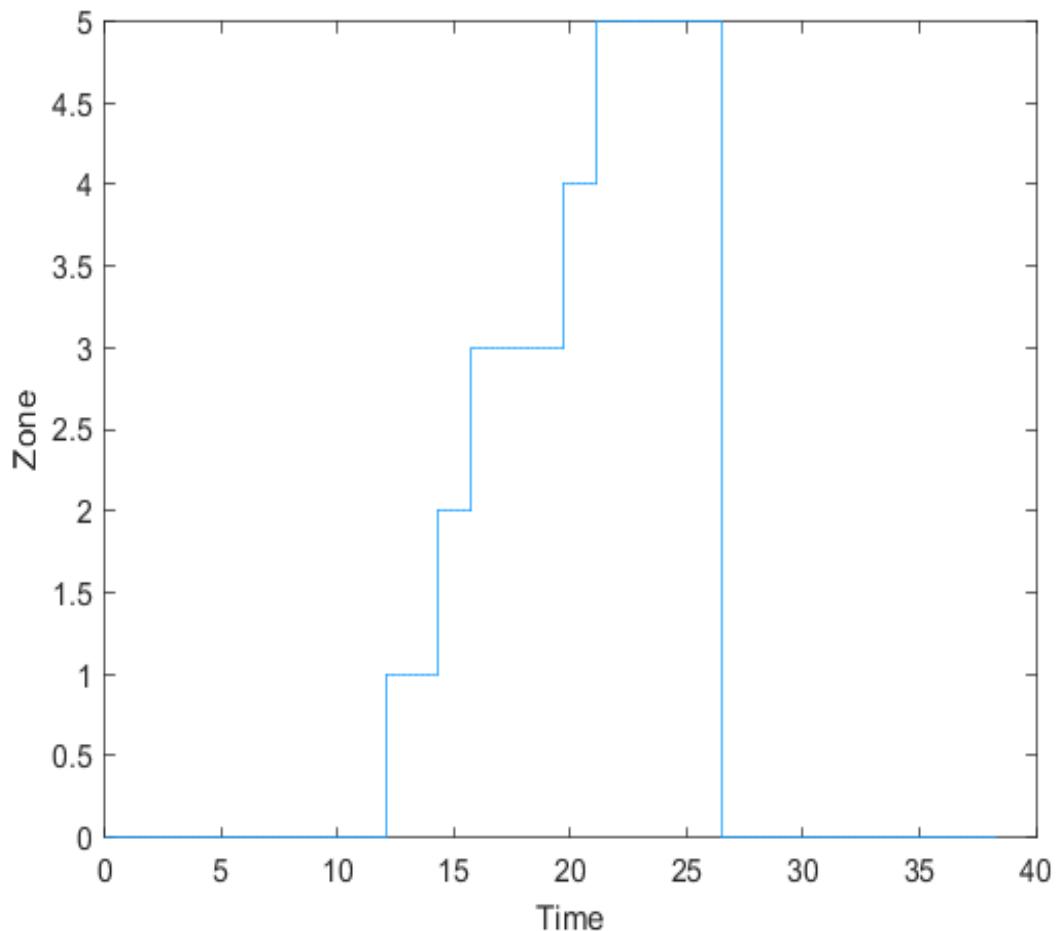
Start Time: 0  
Stop Time: 38.310766319665291  
Checksum: 2087382813 1804674372 2917305192 1530837885

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

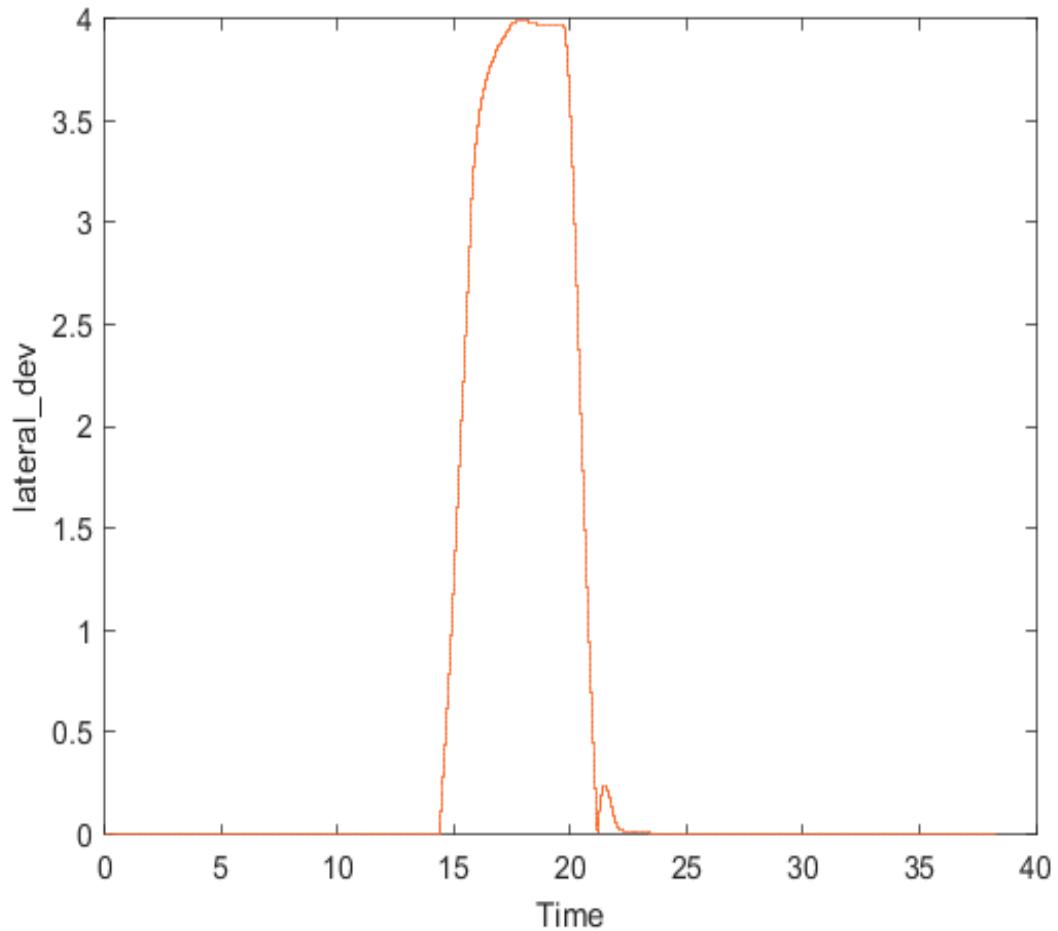
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 45° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:37:47  
End Time: 19-May-2021 21:37:55  
Outcome: Passed

## Test Case Information

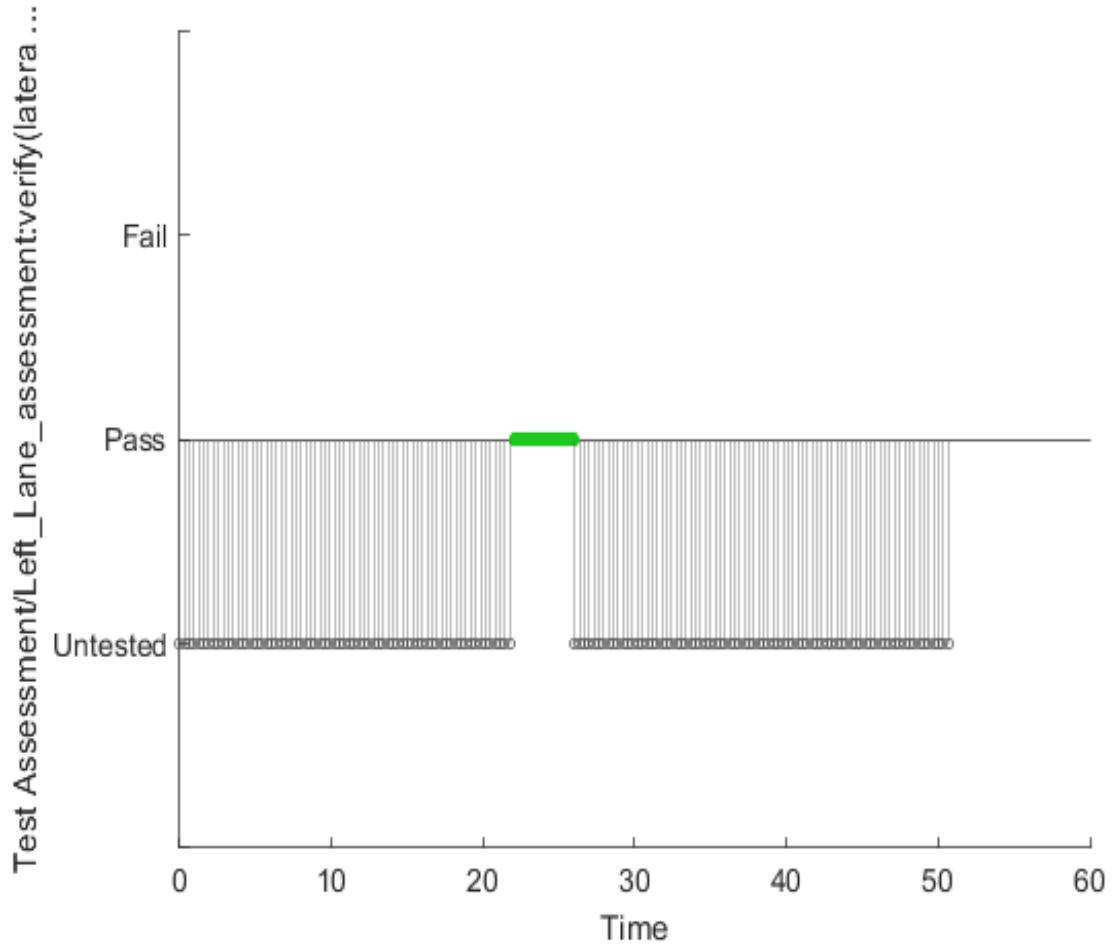
Name: 45° 100km/h  
Type: Simulation Test

## Verify Result

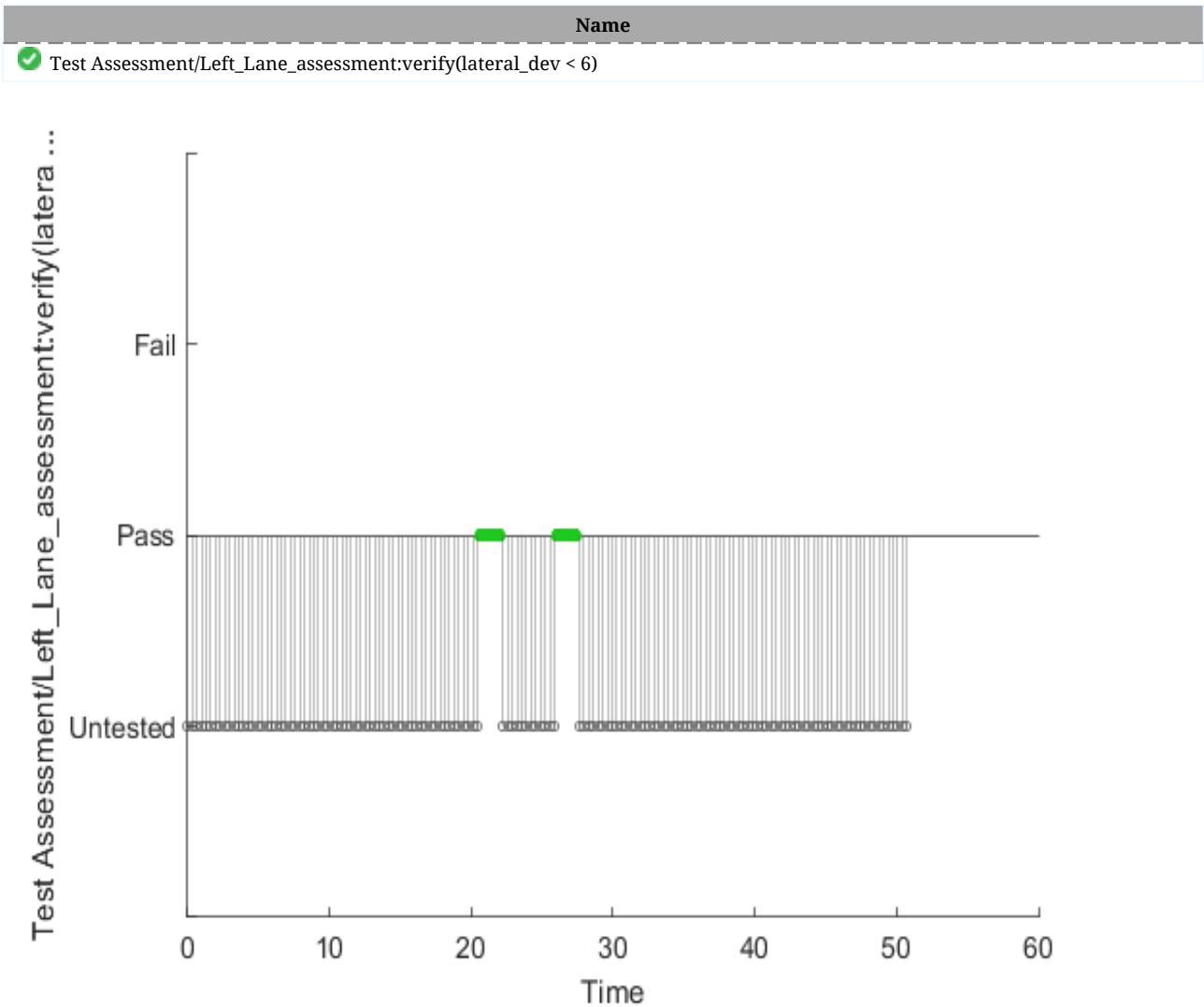
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



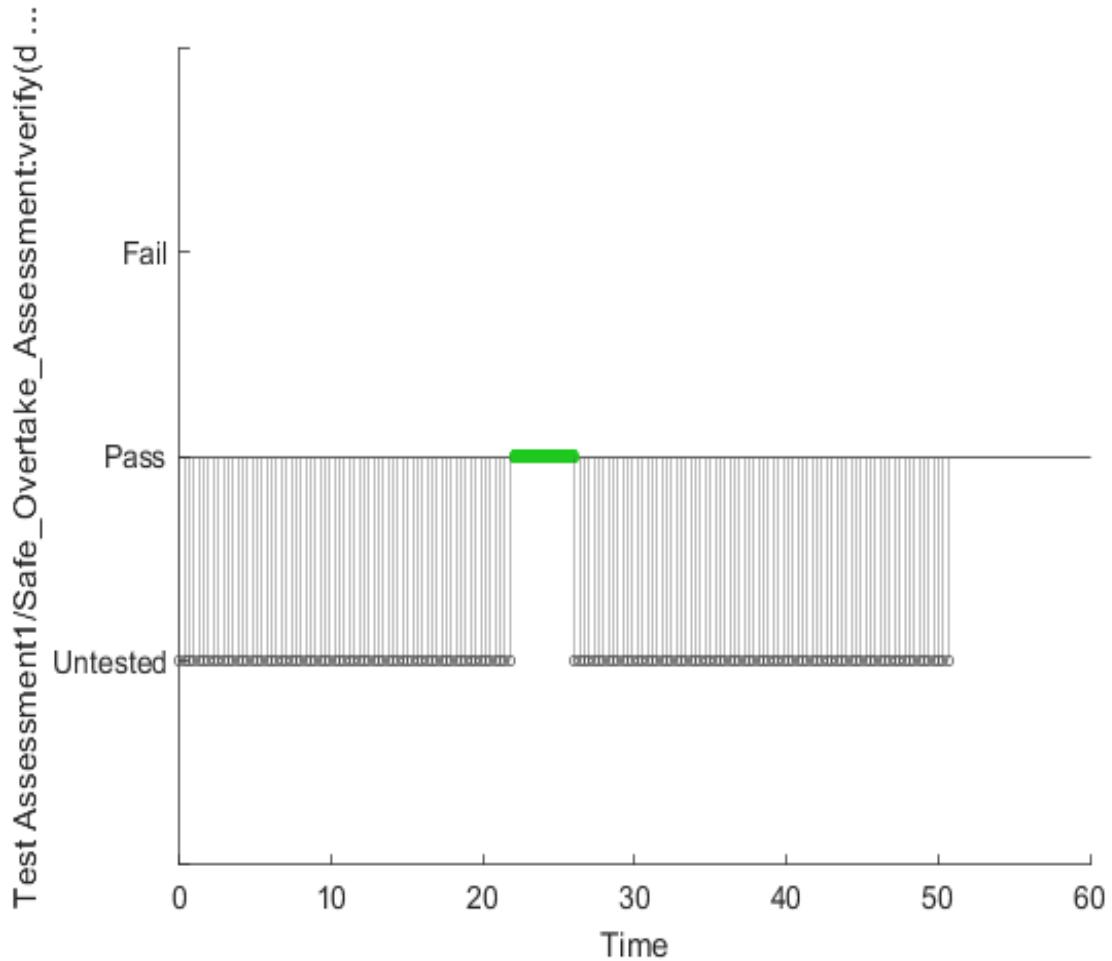
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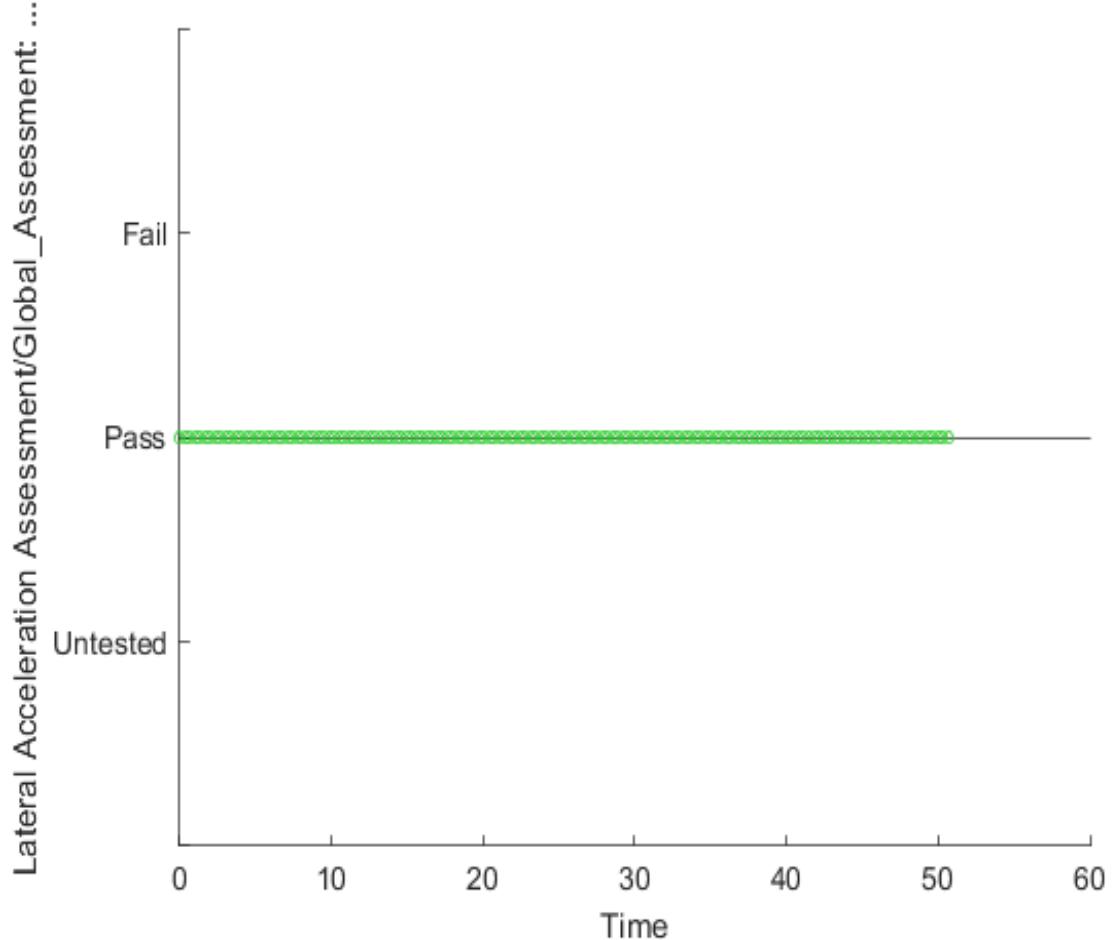
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

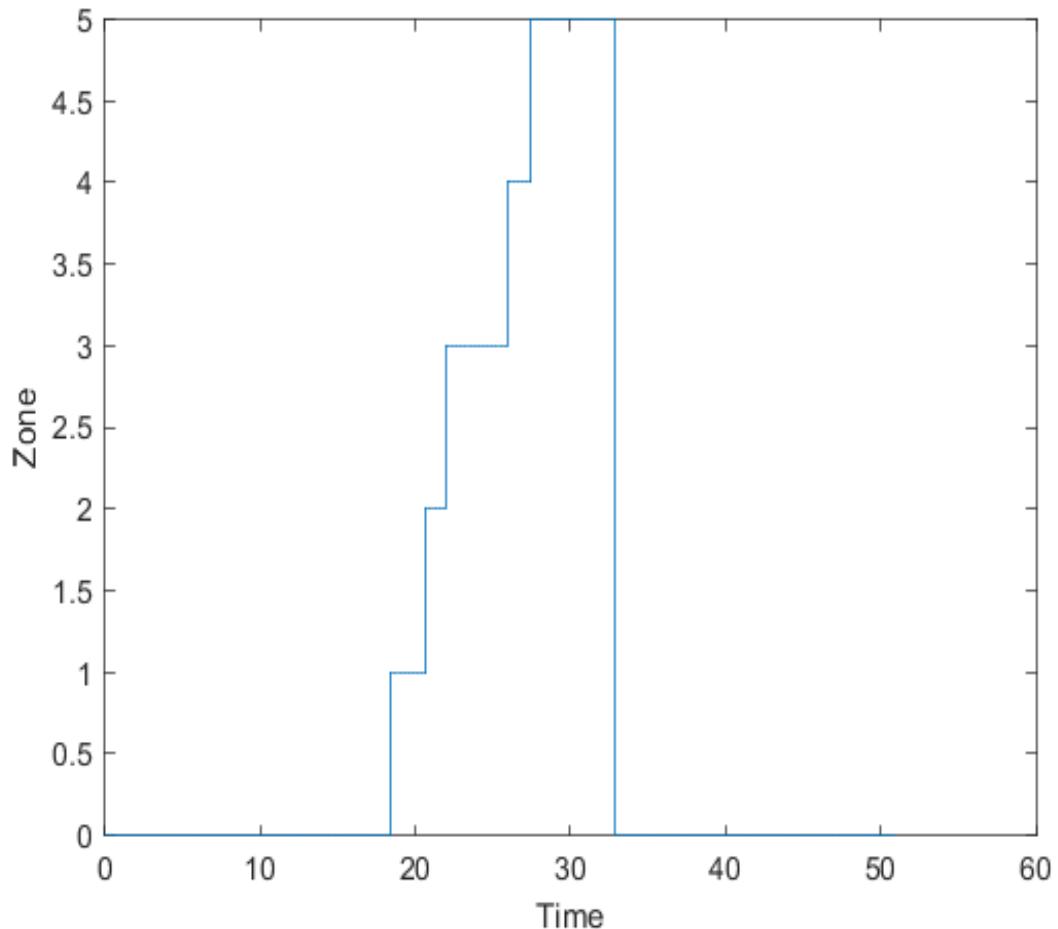
Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

Start Time: 0  
Stop Time: 50.911688245431421  
Checksum: 2114219161 1707747788 3261604909 1194515559

## Simulation Output

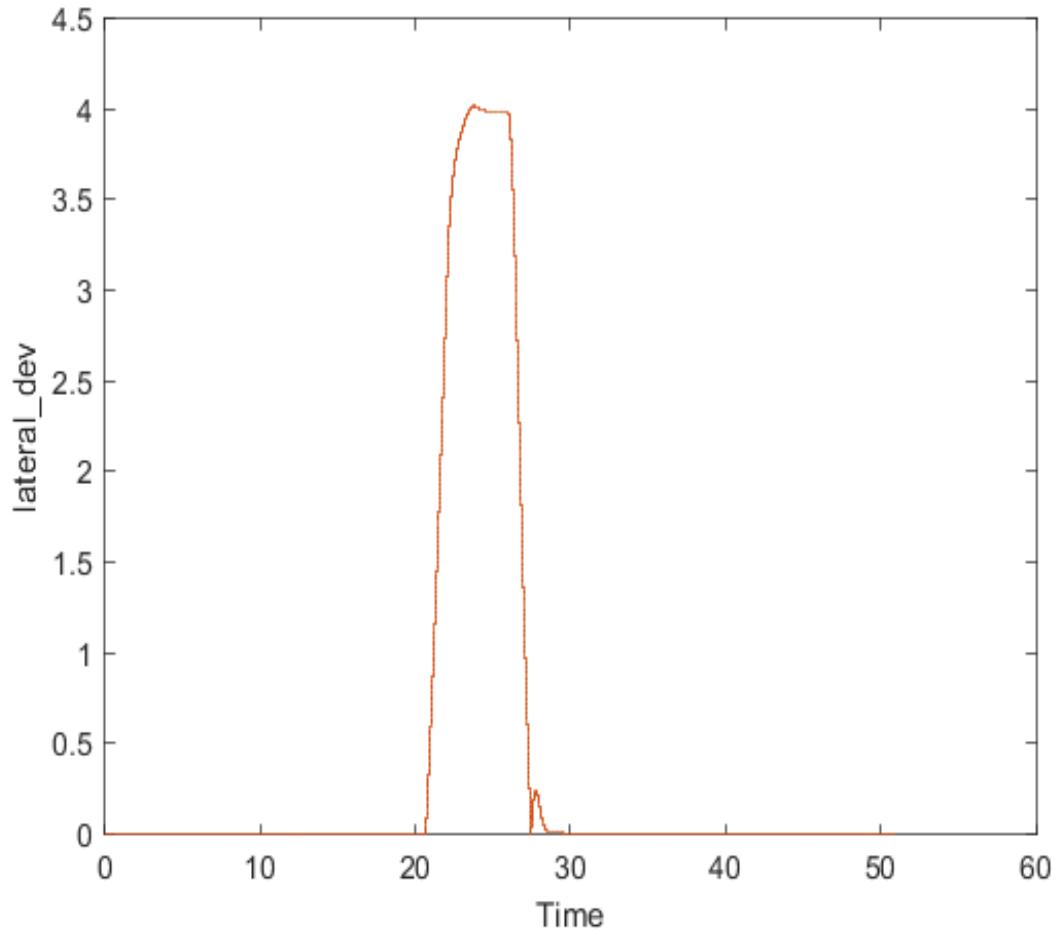
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

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



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



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## 70° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:37:55  
End Time: 19-May-2021 21:38:08  
Outcome: Passed

## Test Case Information

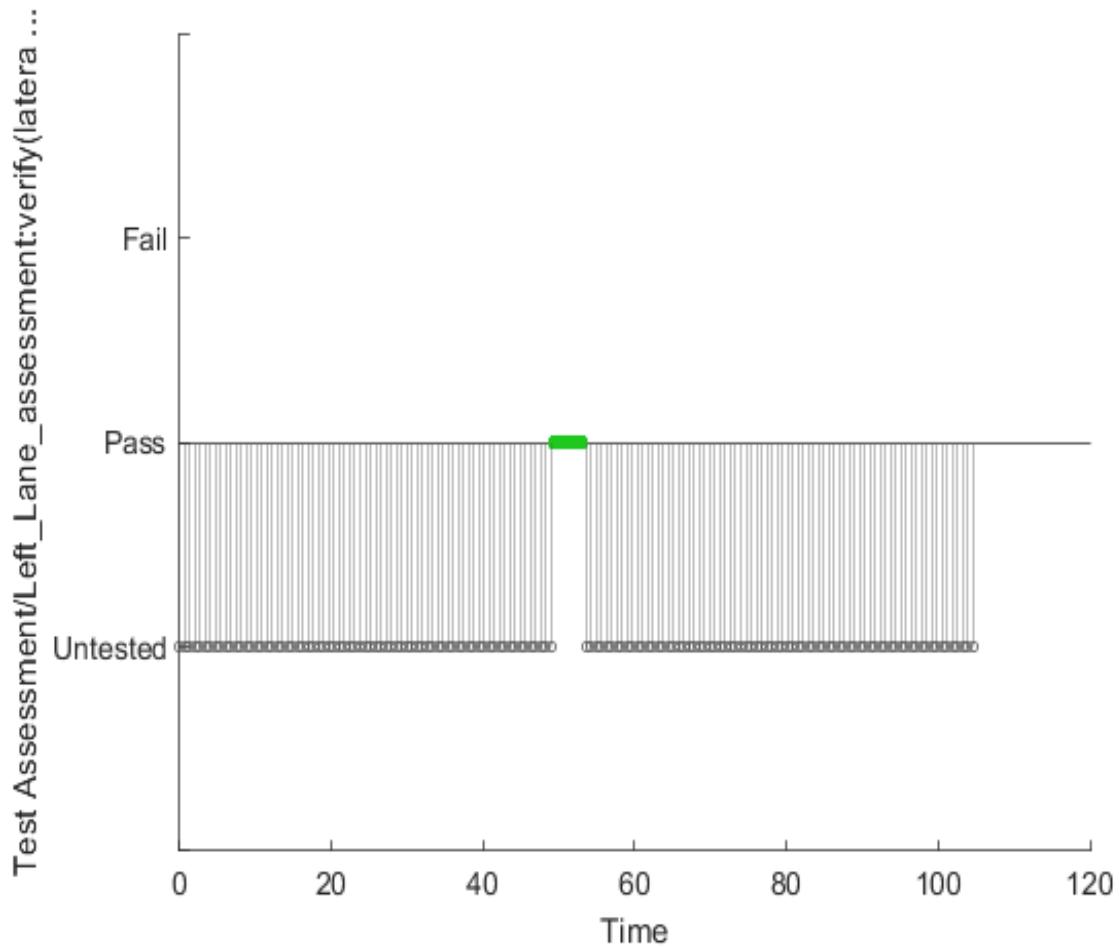
Name: 70° 100km/h  
Type: Simulation Test

## Verify Result

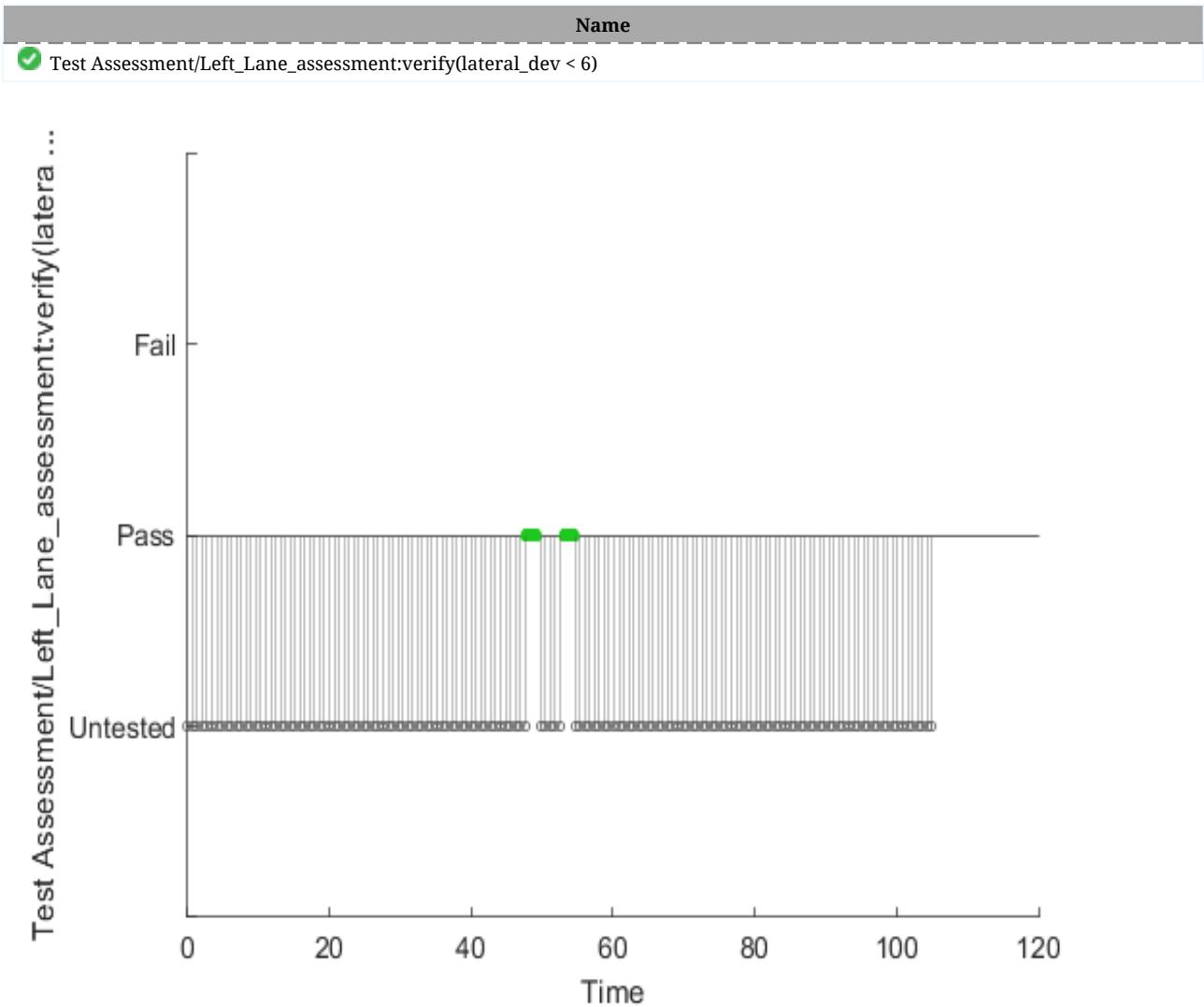
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



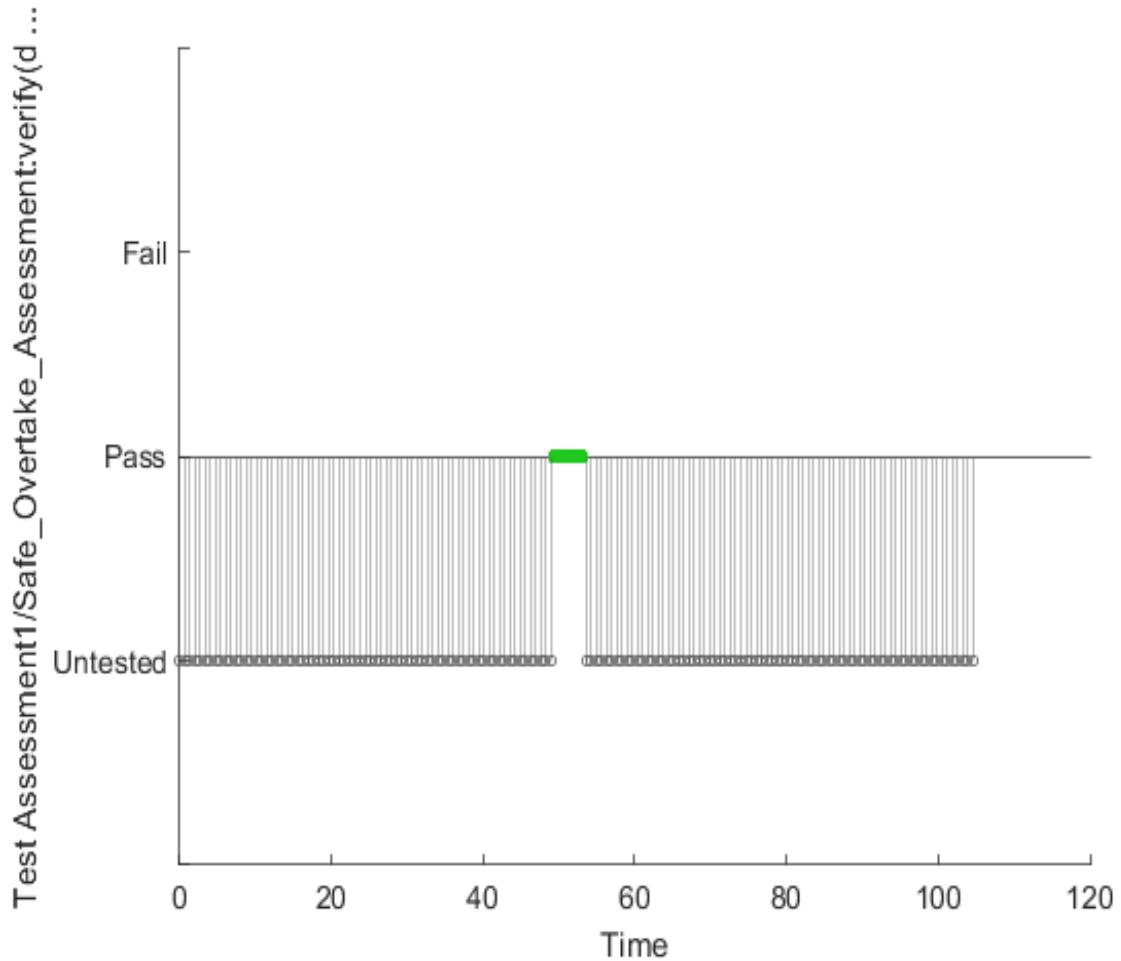
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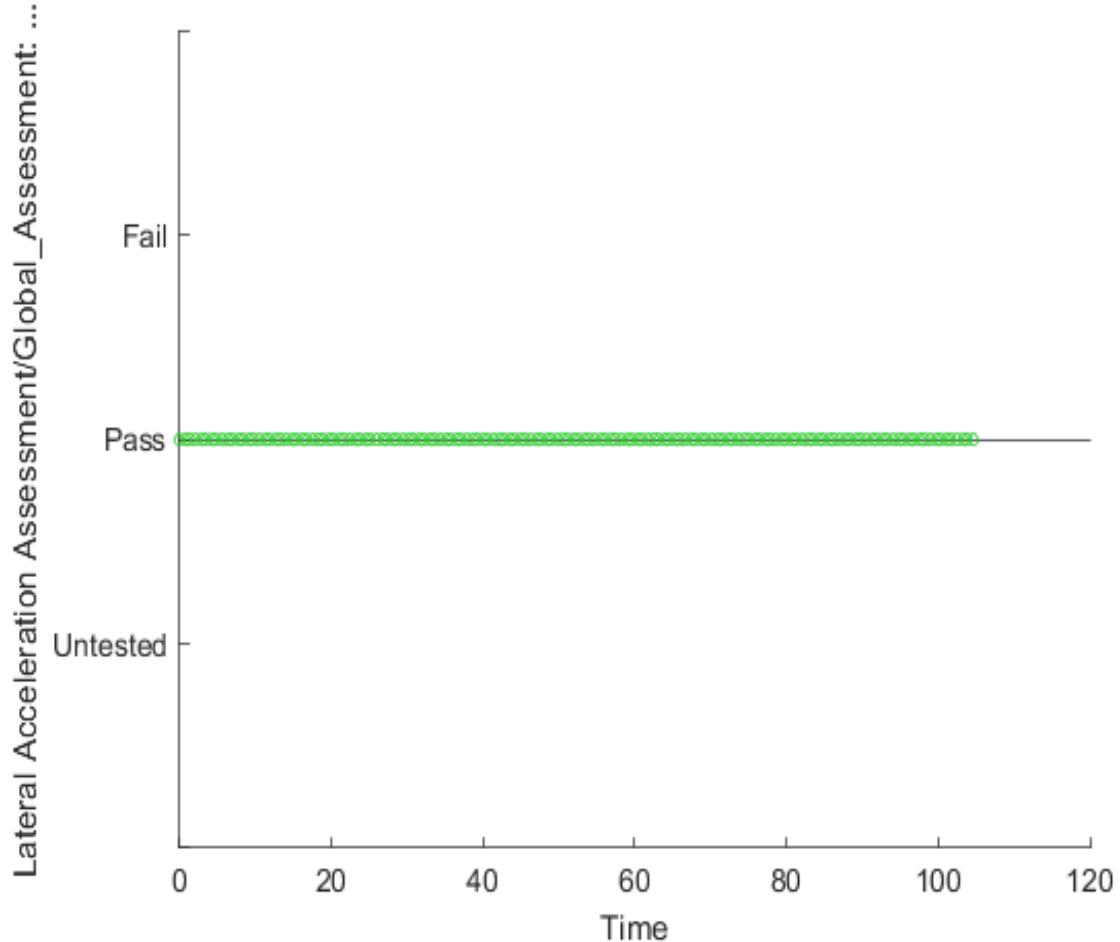
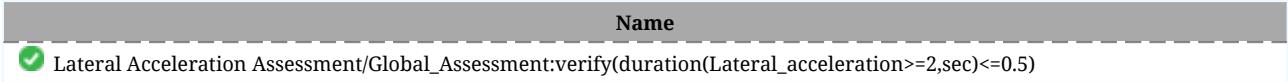
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

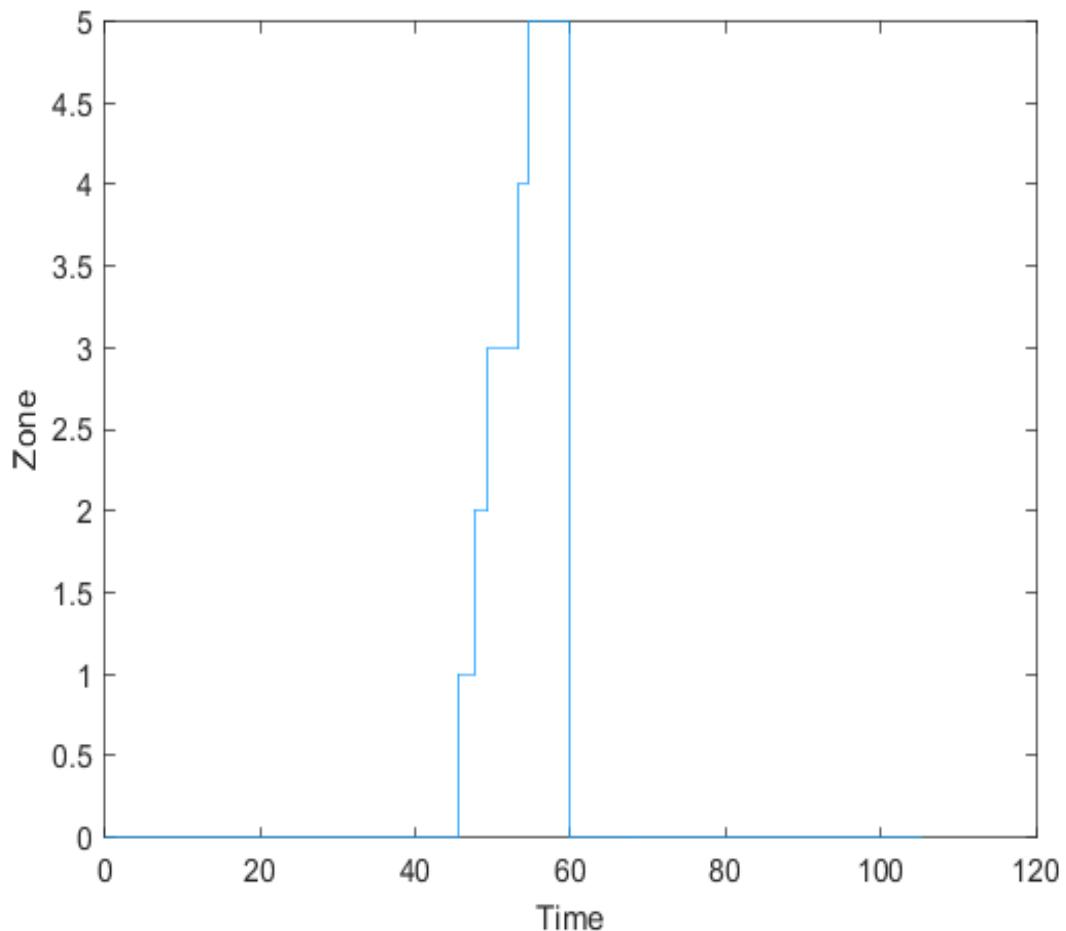
Start Time: 0  
Stop Time: 105.24080797865437  
Checksum: 1807712458 3299865283 3576710018 3019282040

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

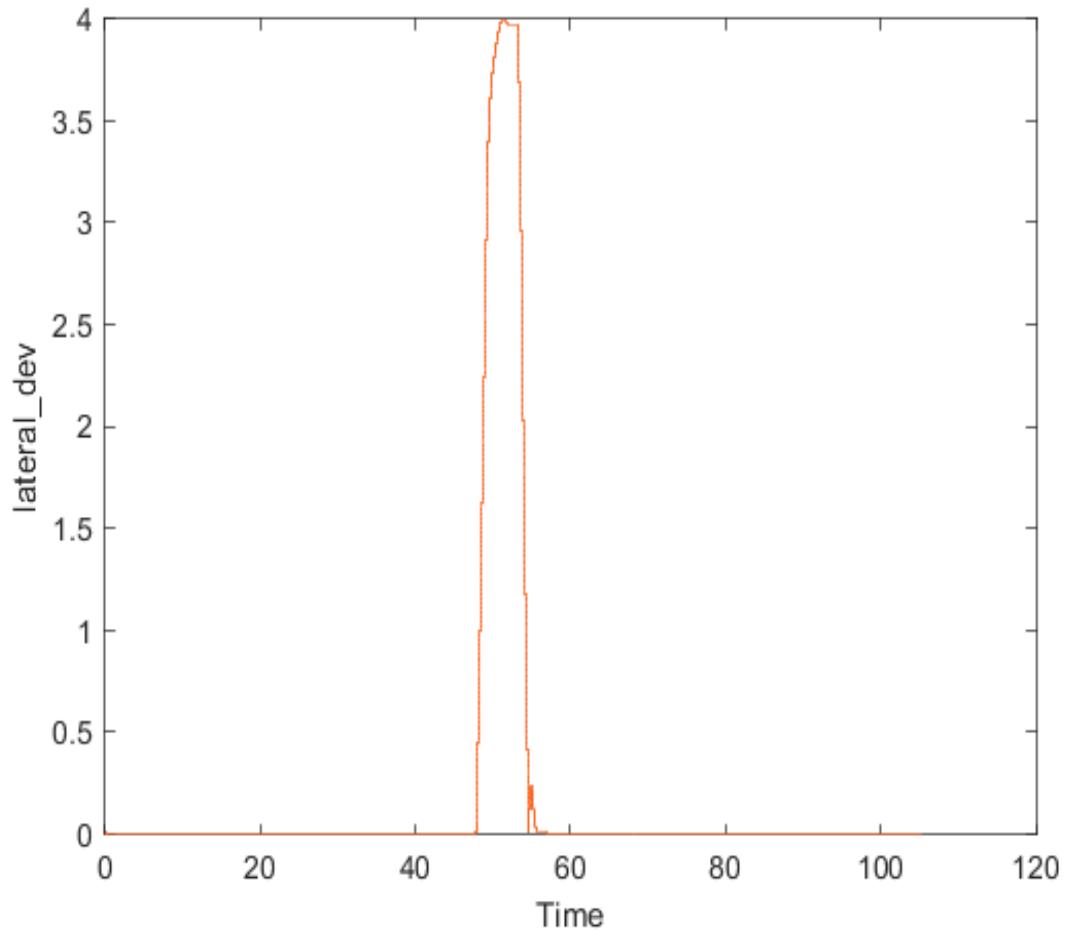
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 90° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 100km/h](#)

Start Time: 19-May-2021 21:38:08  
End Time: 19-May-2021 21:38:13  
Outcome: Passed

## Test Case Information

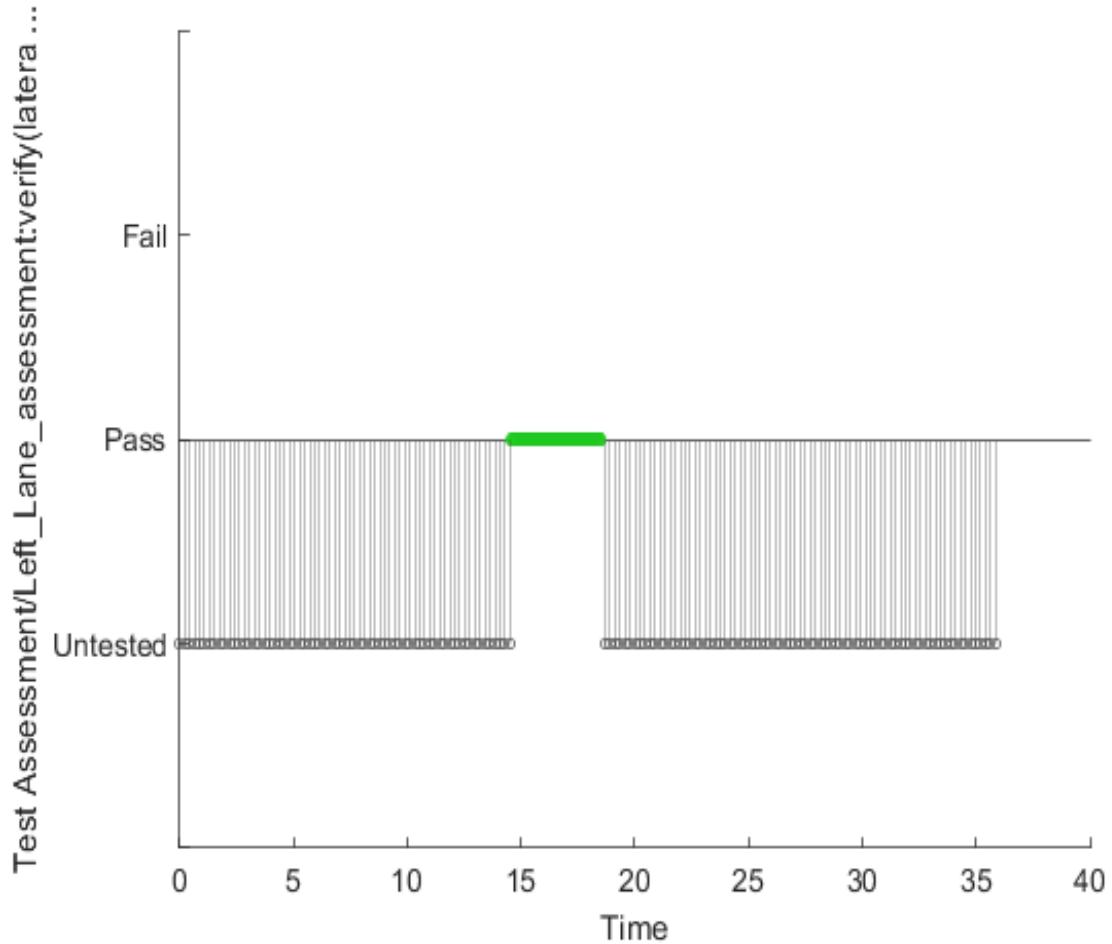
Name: 90° 100km/h  
Type: Simulation Test

## Verify Result

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

### Name

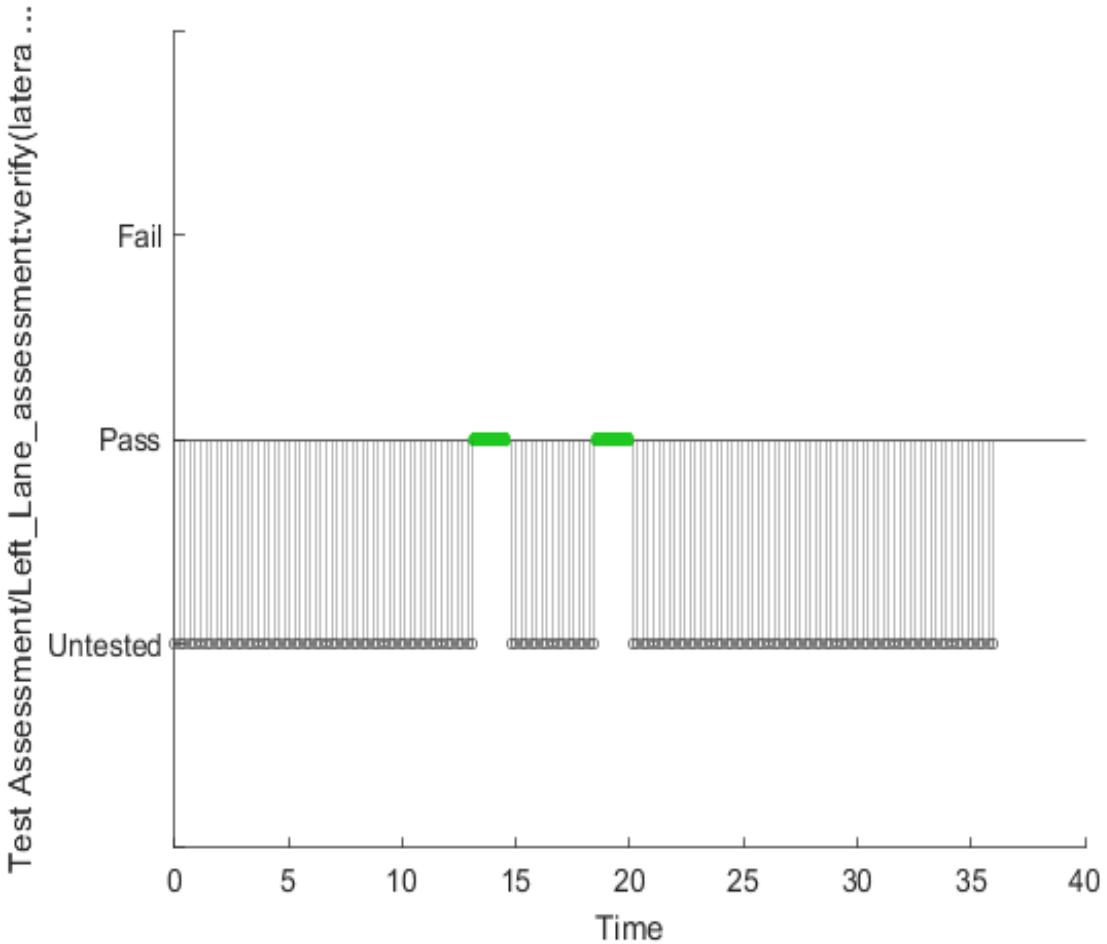
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

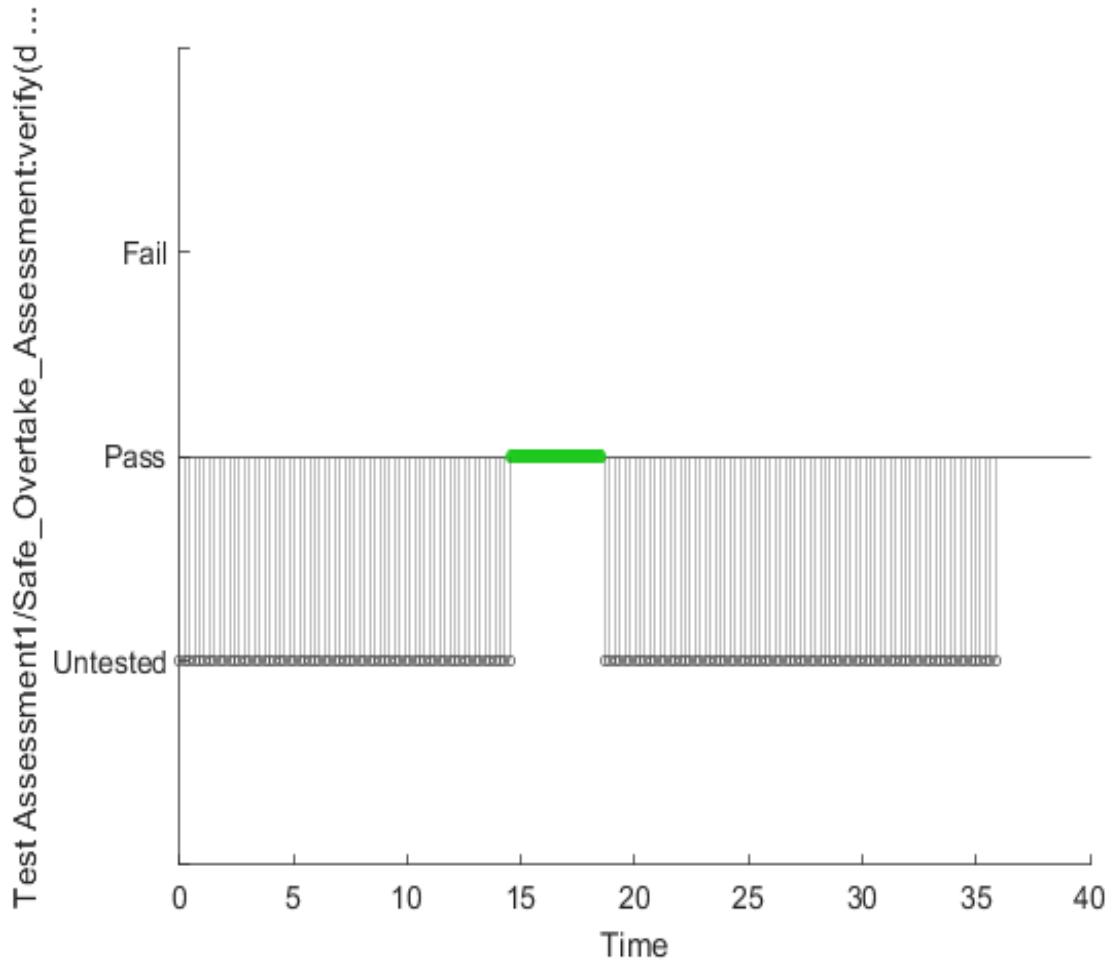
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



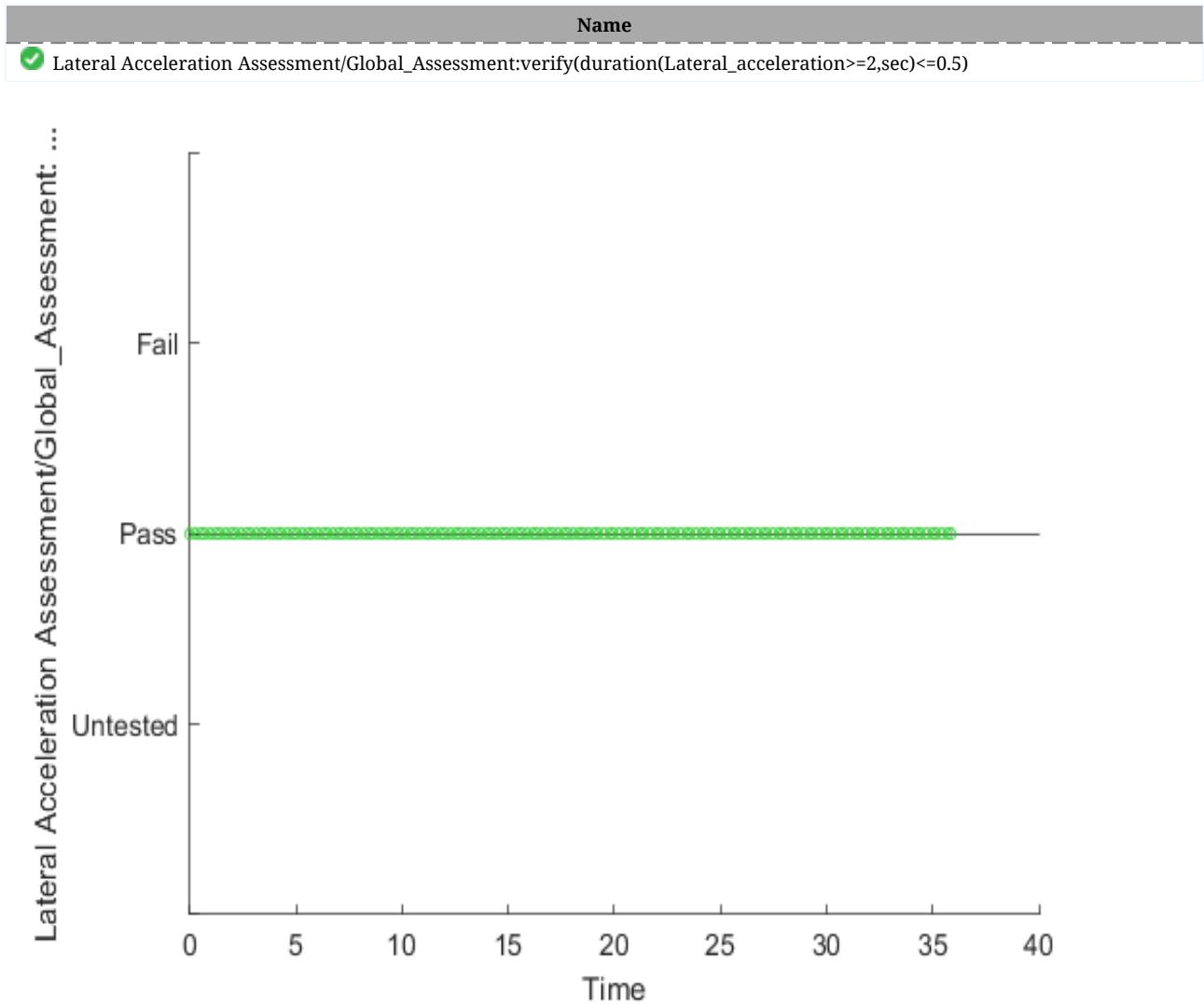
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✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

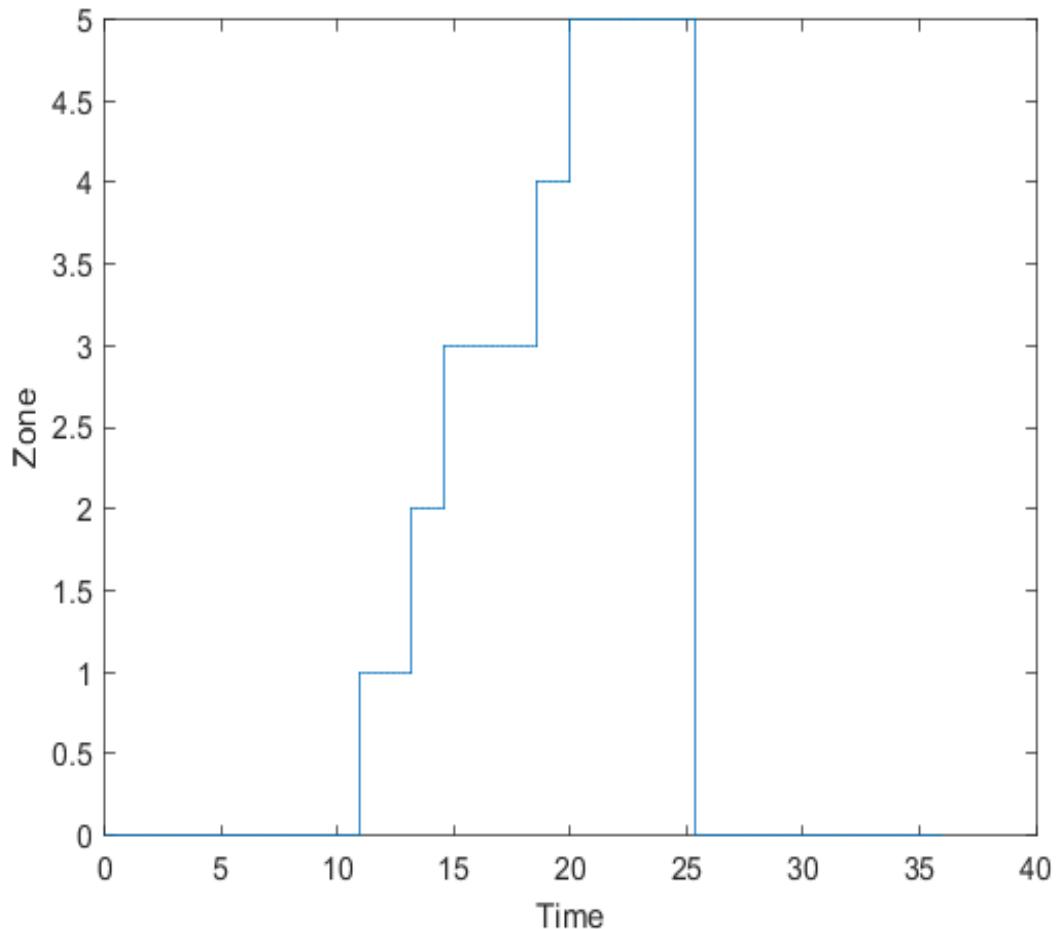
Start Time: 0  
Stop Time: 36  
Checksum: 554897310 492176260 791034472 2655960625

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

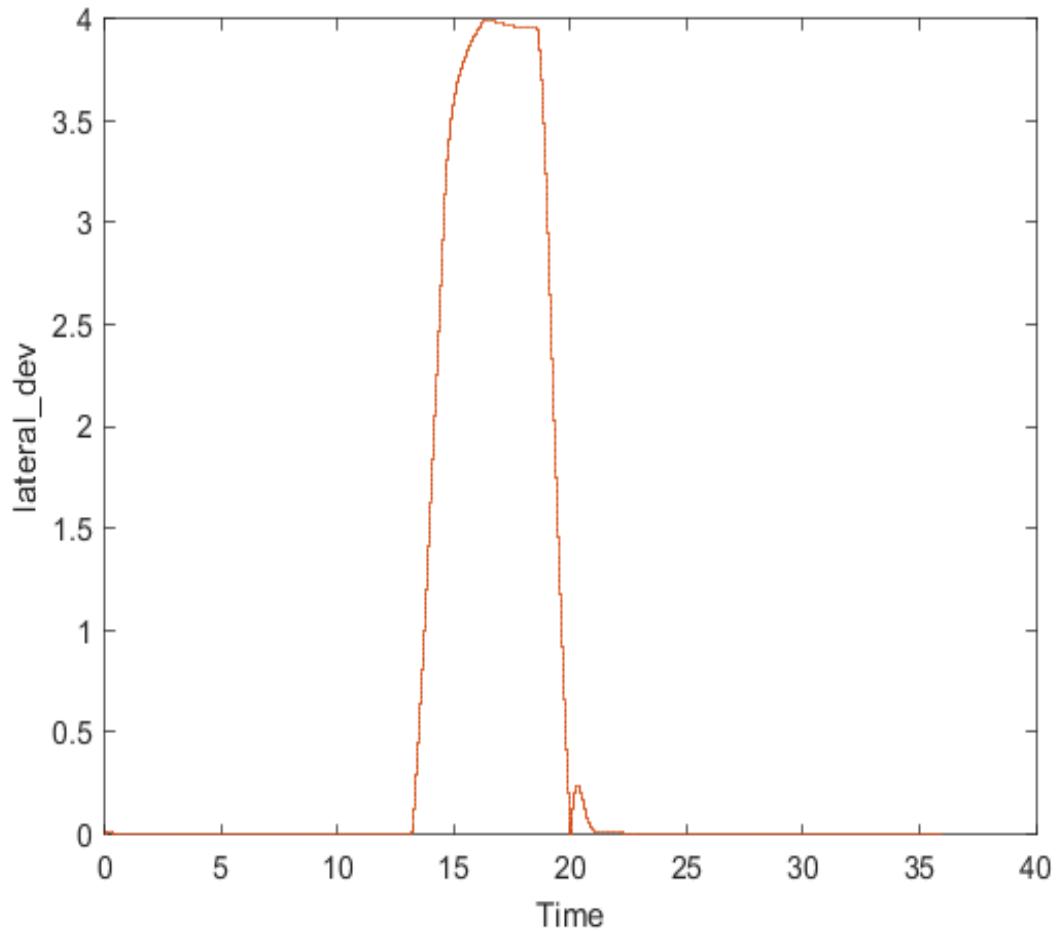
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 110° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:13  
End Time: 19-May-2021 21:38:17  
Outcome: Passed

## Test Case Information

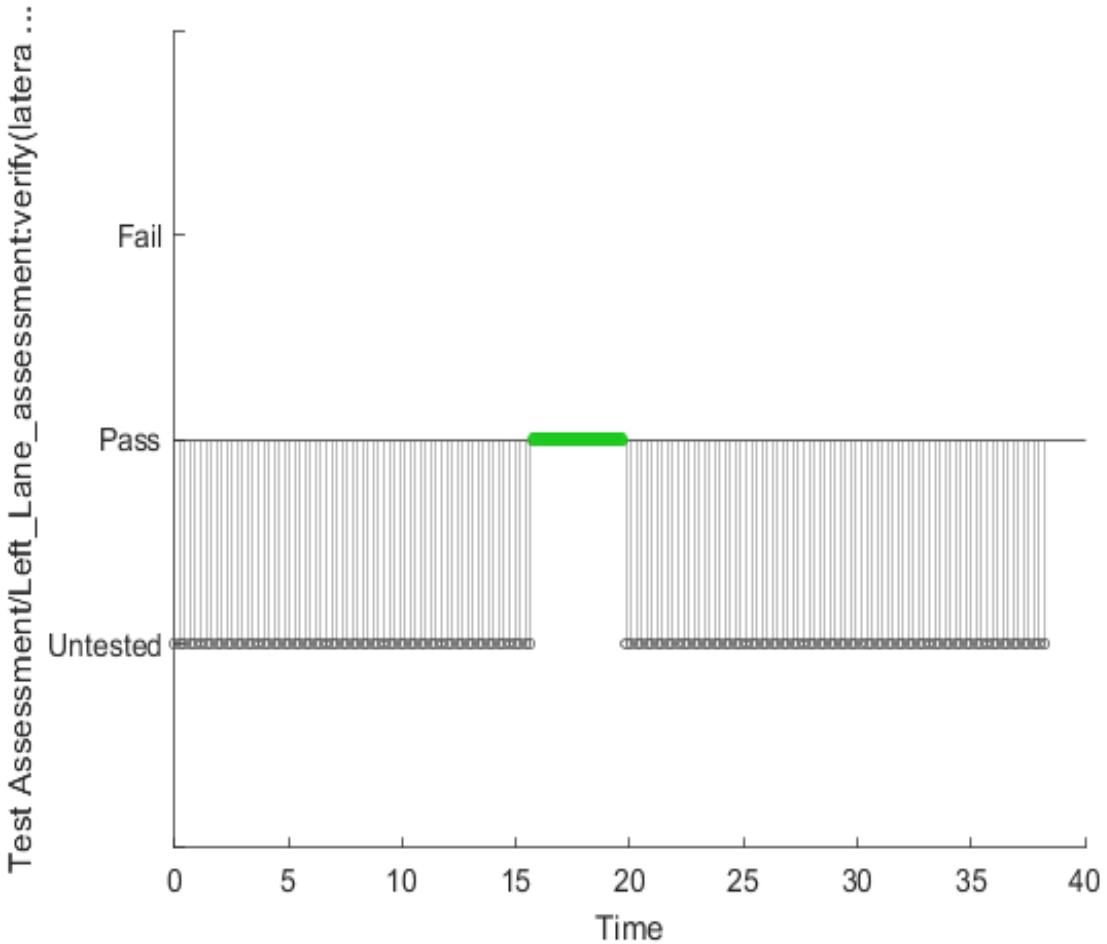
Name: 110° 100km/h  
Type: Simulation Test

## Verify Result

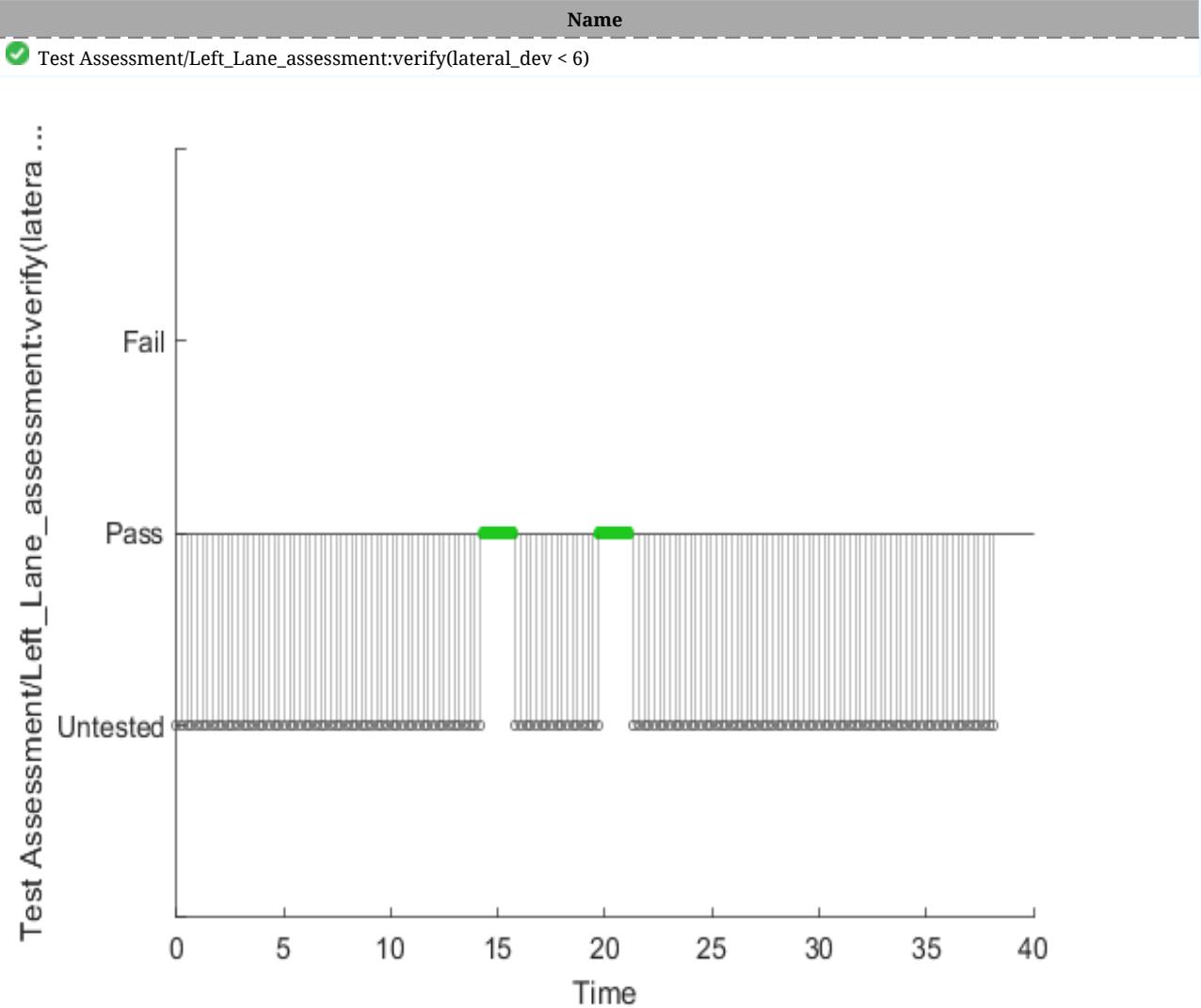
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



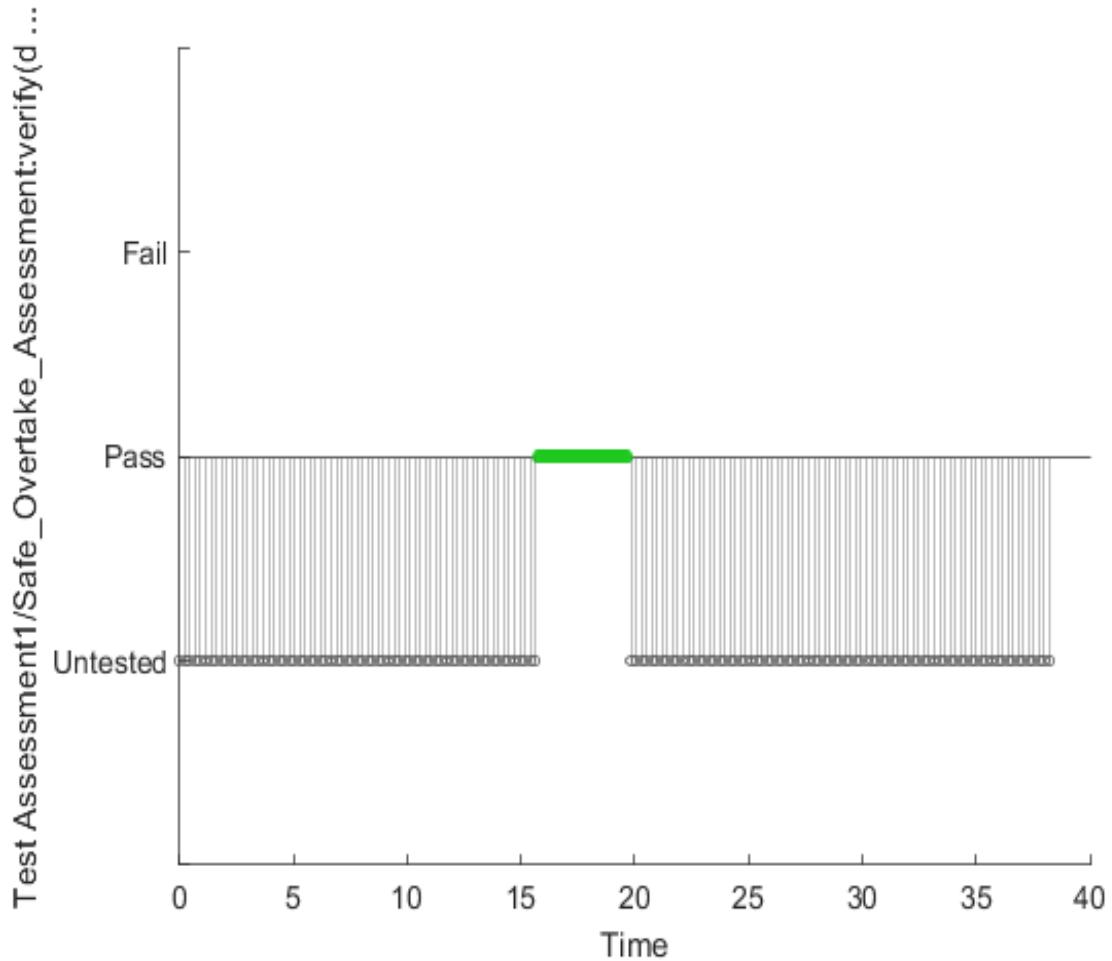
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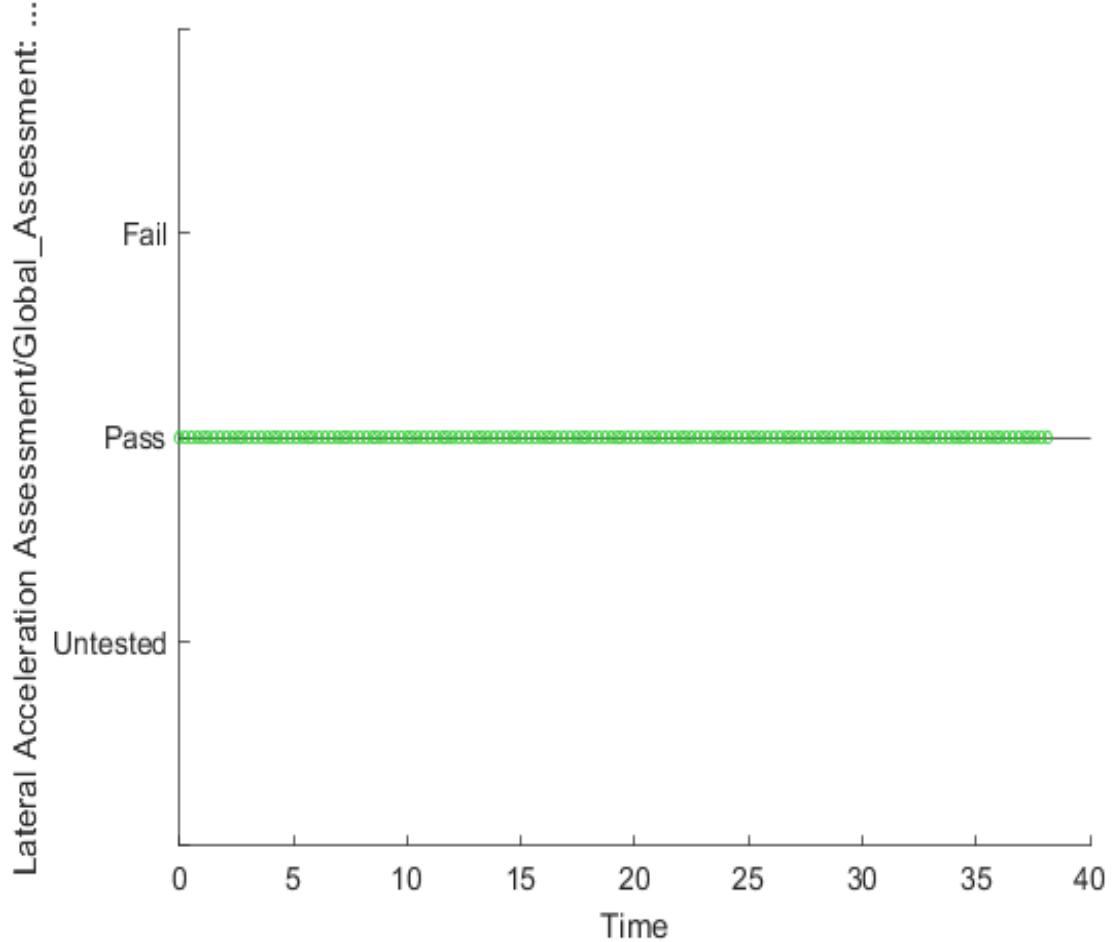
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

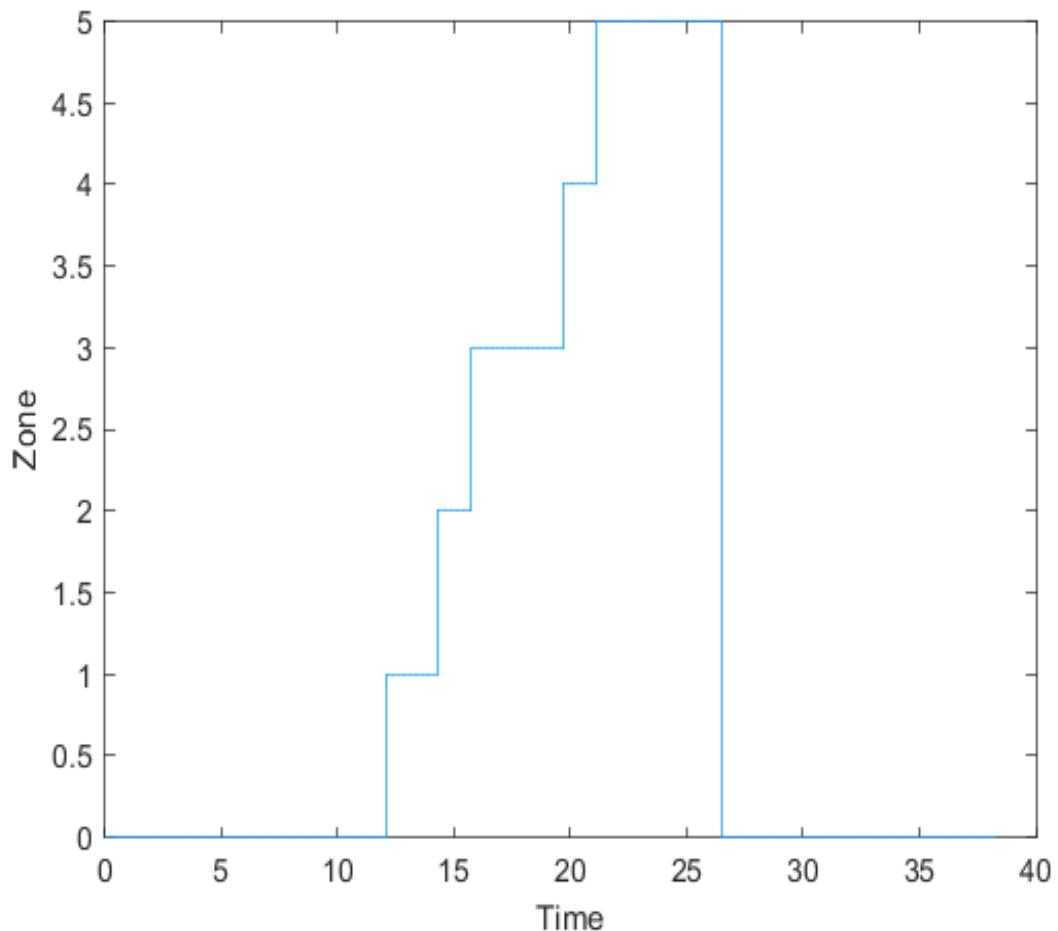
Start Time: 0  
Stop Time: 38.310766319665291  
Checksum: 2087382813 1804674372 2917305192 1530837885

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

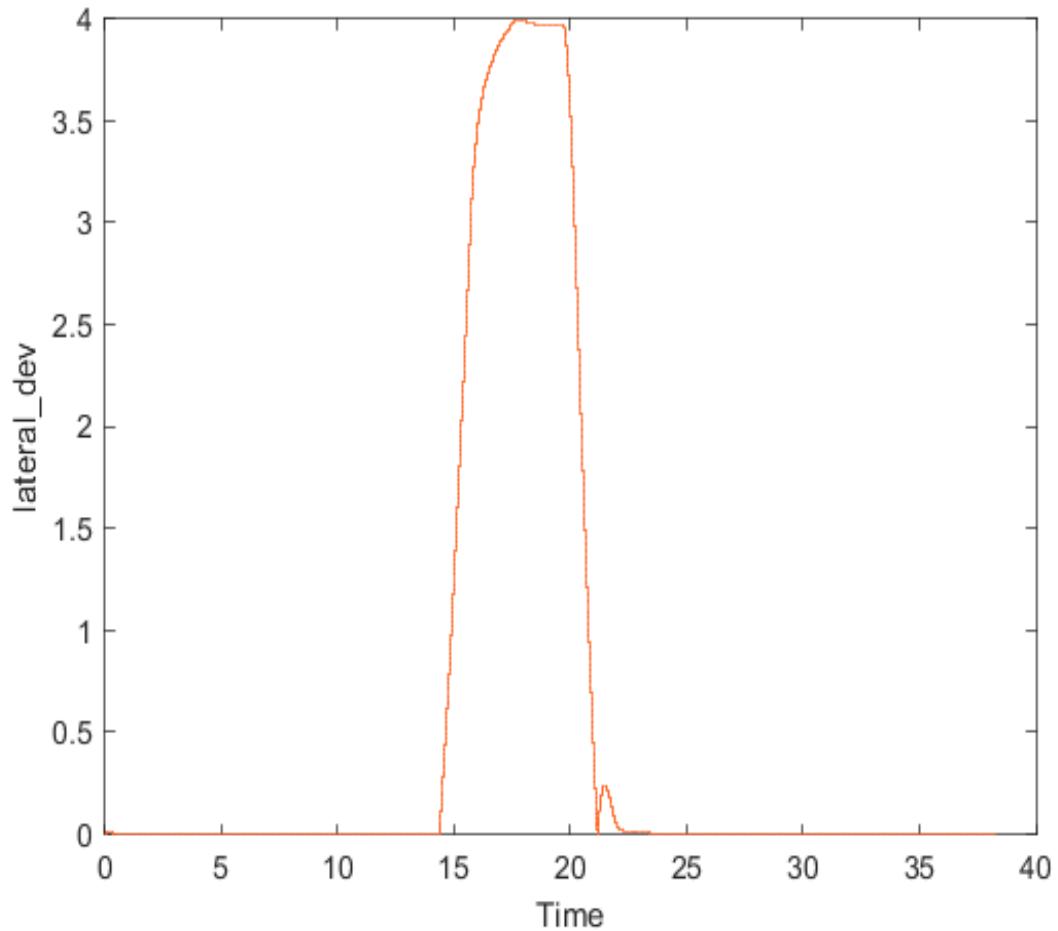
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 135° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:17  
End Time: 19-May-2021 21:38:22  
Outcome: Passed

## Test Case Information

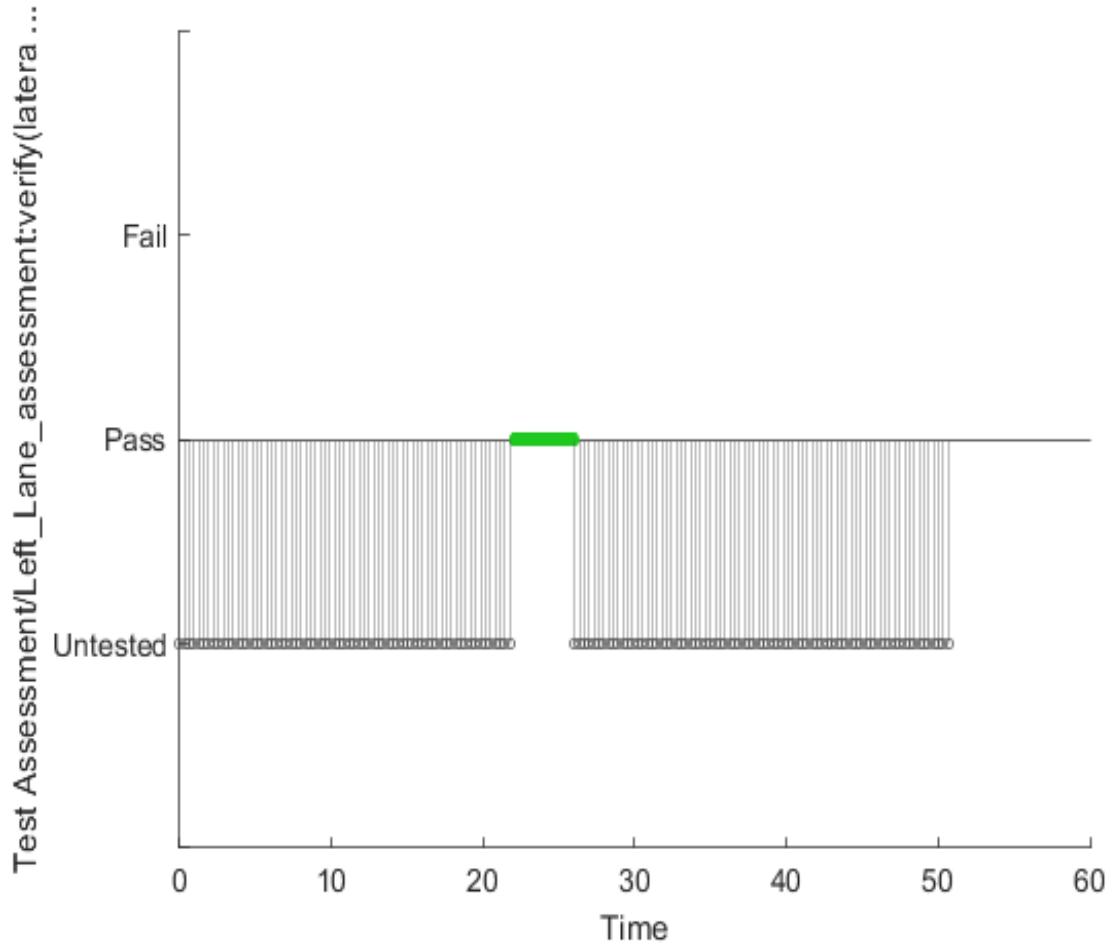
Name: 135° 100km/h  
Type: Simulation Test

## Verify Result

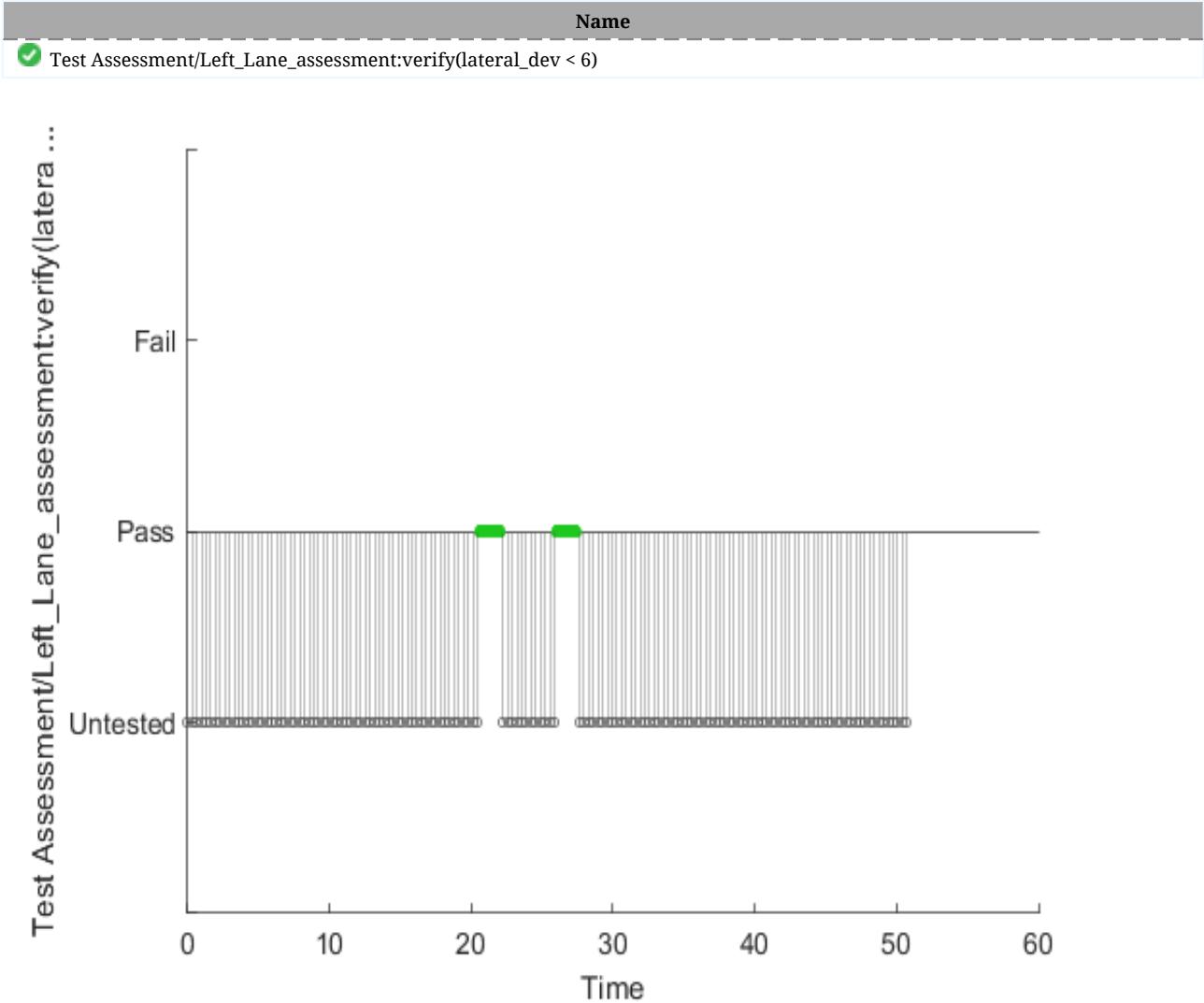
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



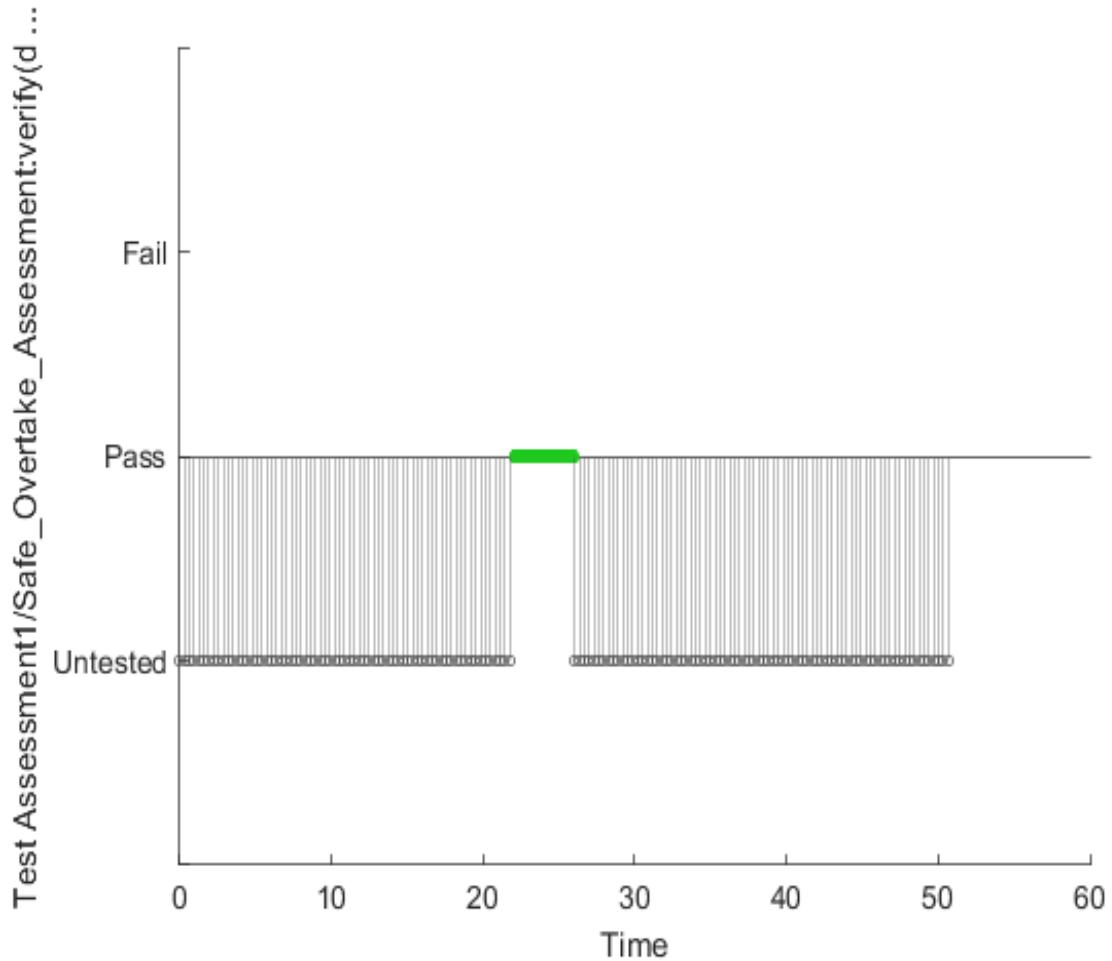
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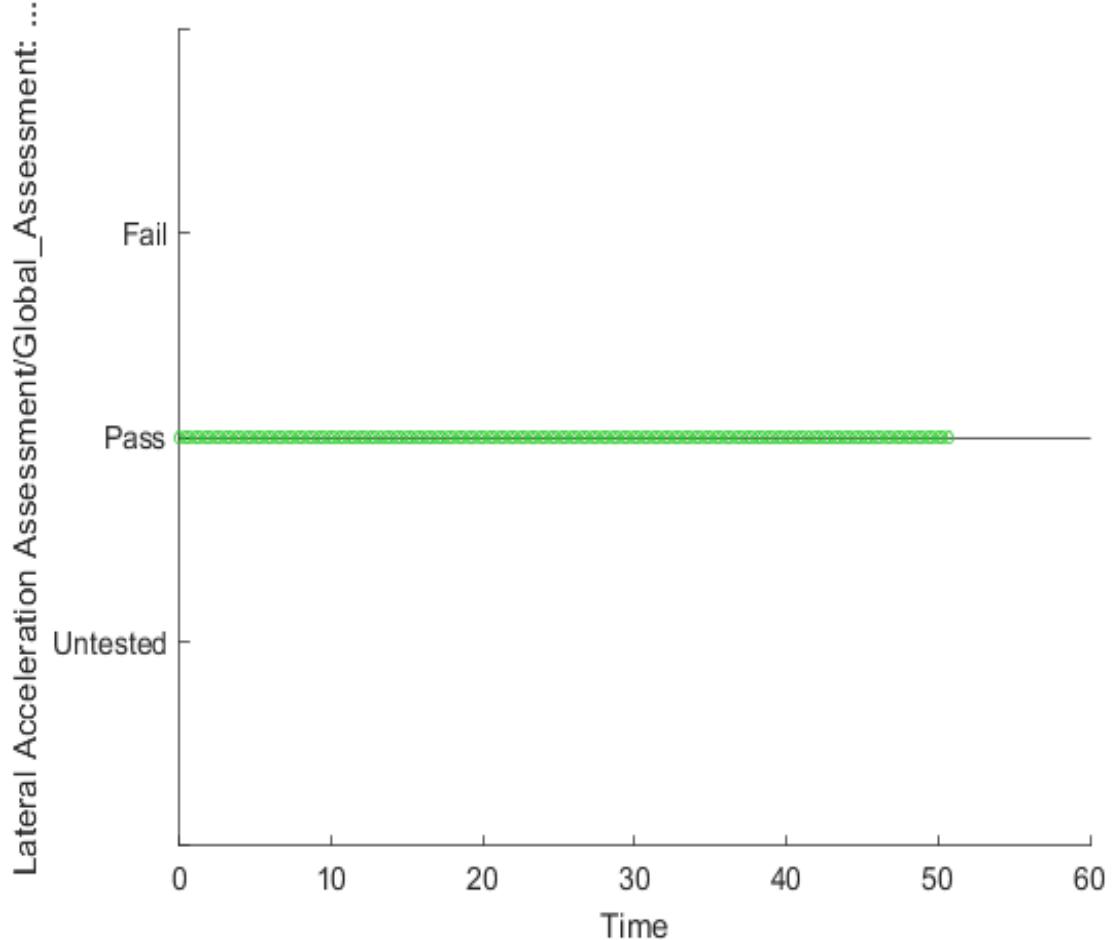
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

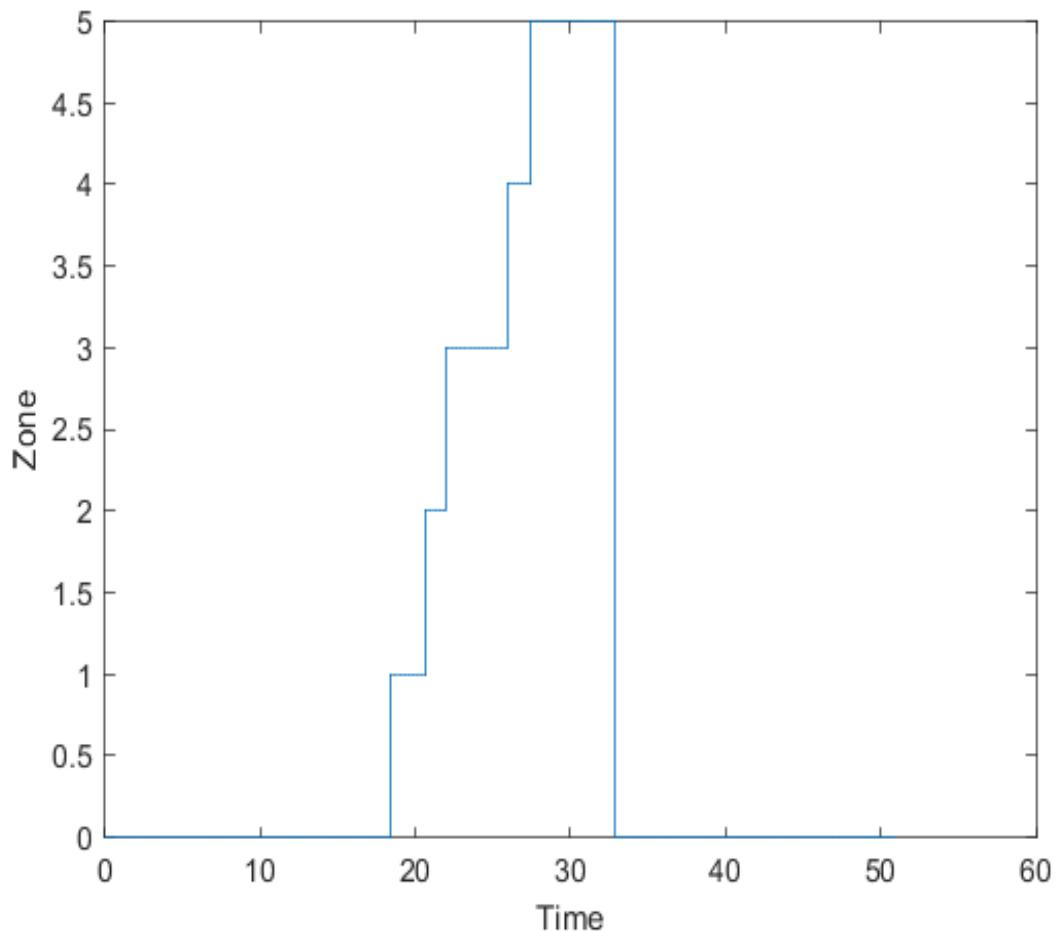
Start Time: 0  
Stop Time: 50.911688245431421  
Checksum: 2114219161 1707747788 3261604909 1194515559

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

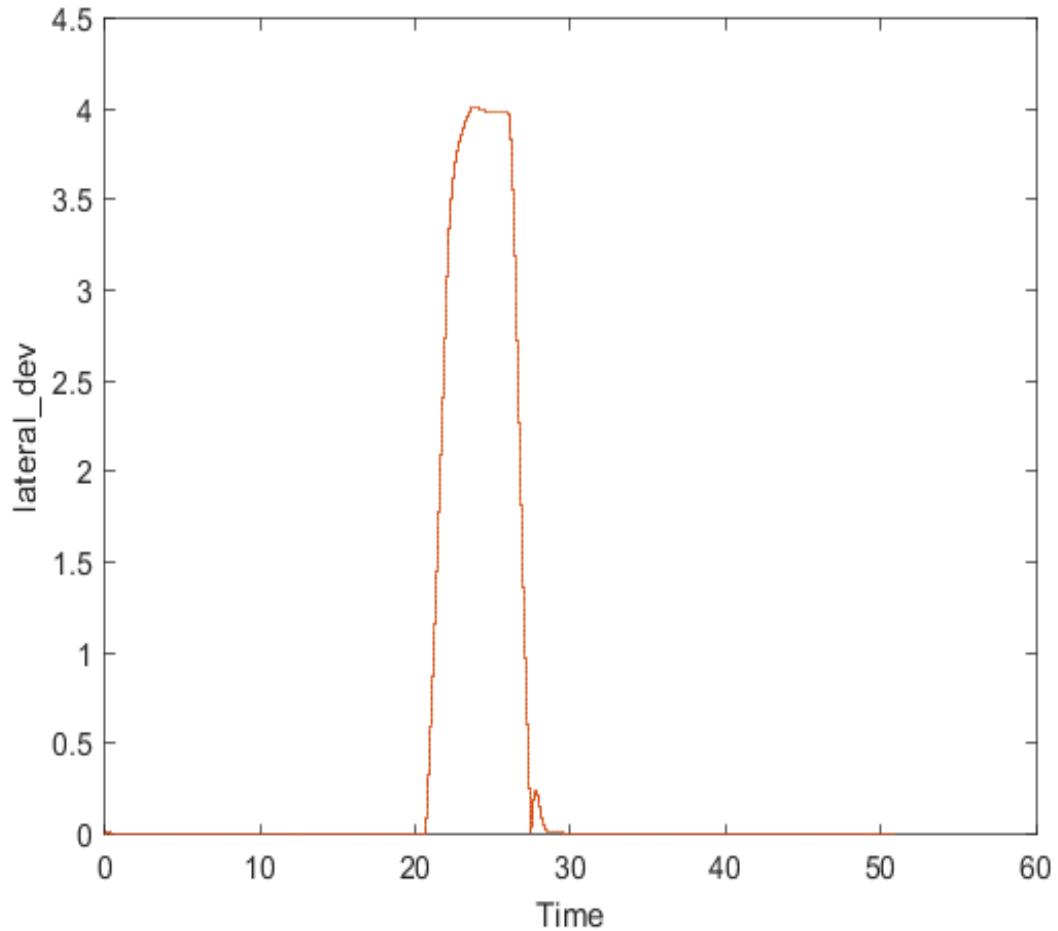
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 160° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:23  
End Time: 19-May-2021 21:38:32  
Outcome: Passed

## Test Case Information

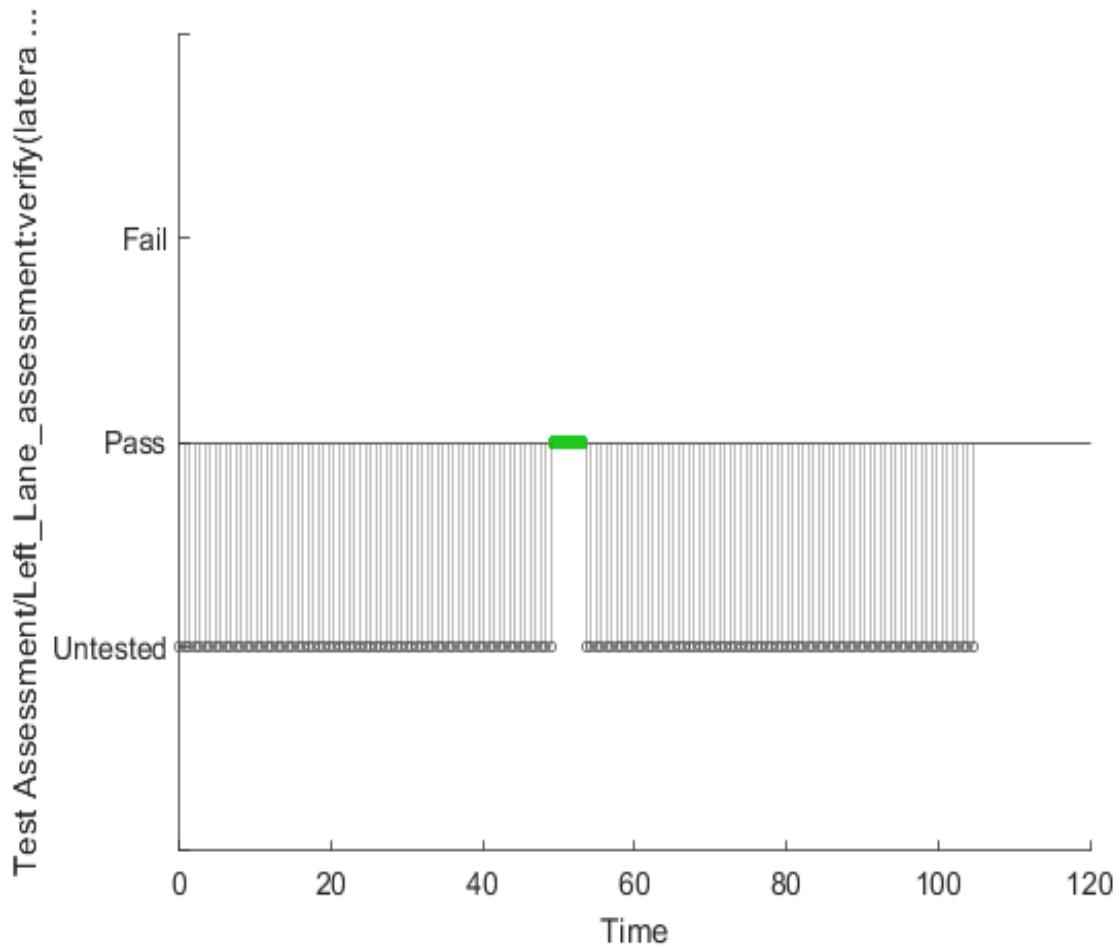
Name: 160° 100km/h  
Type: Simulation Test

## Verify Result

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

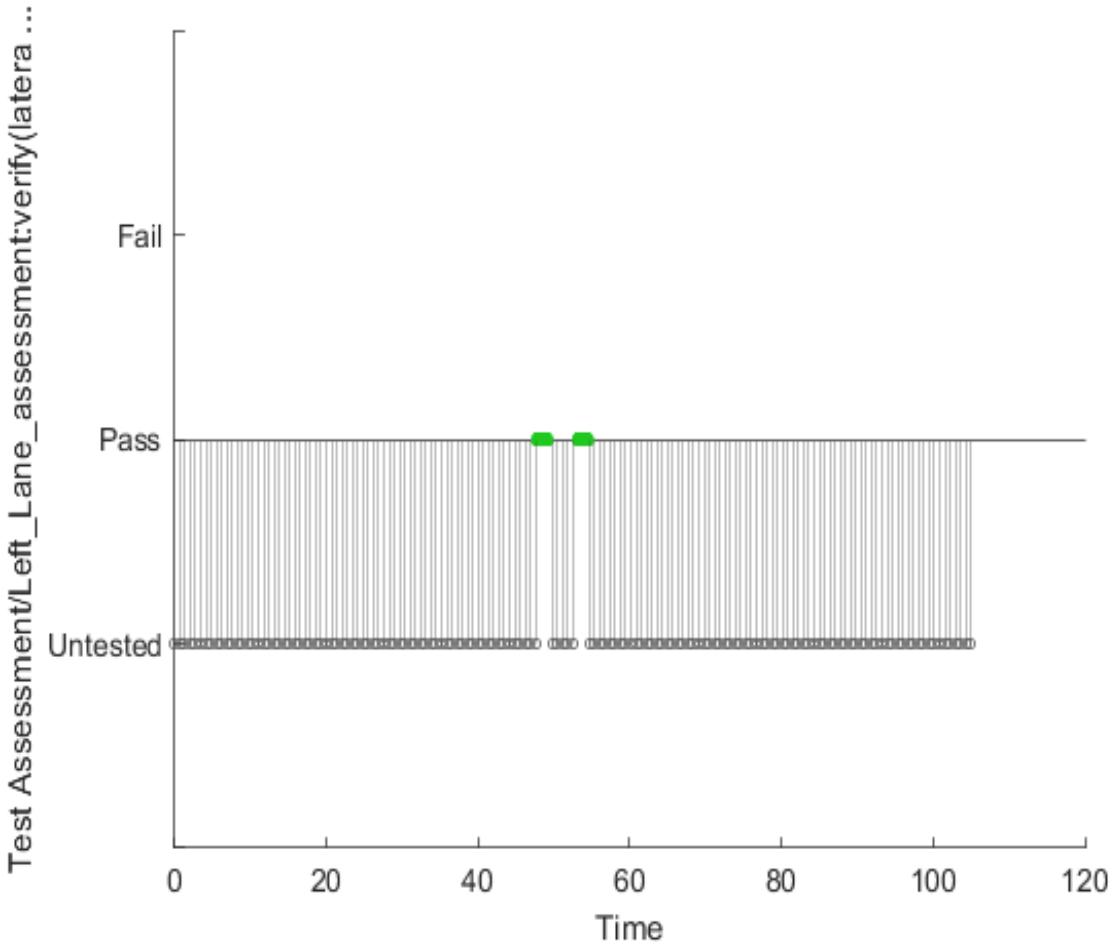
### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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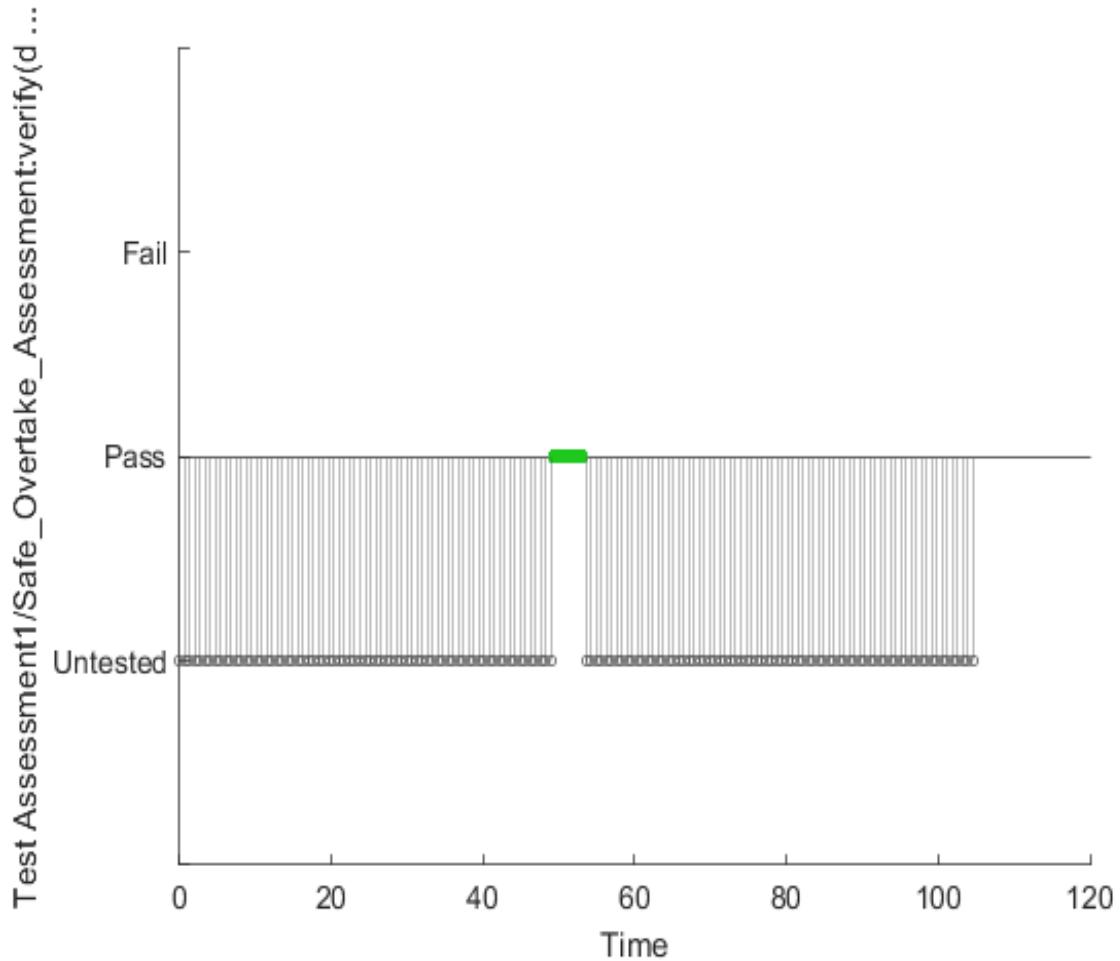
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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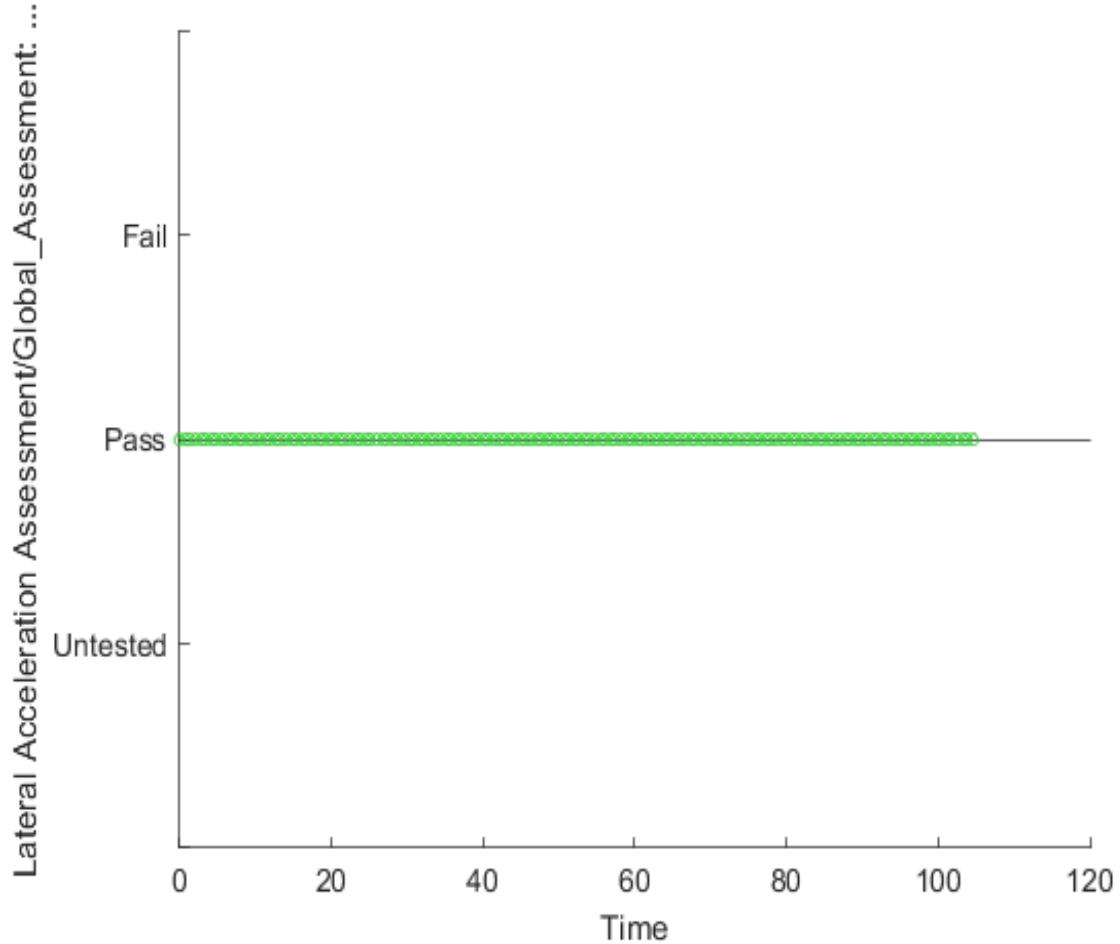
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

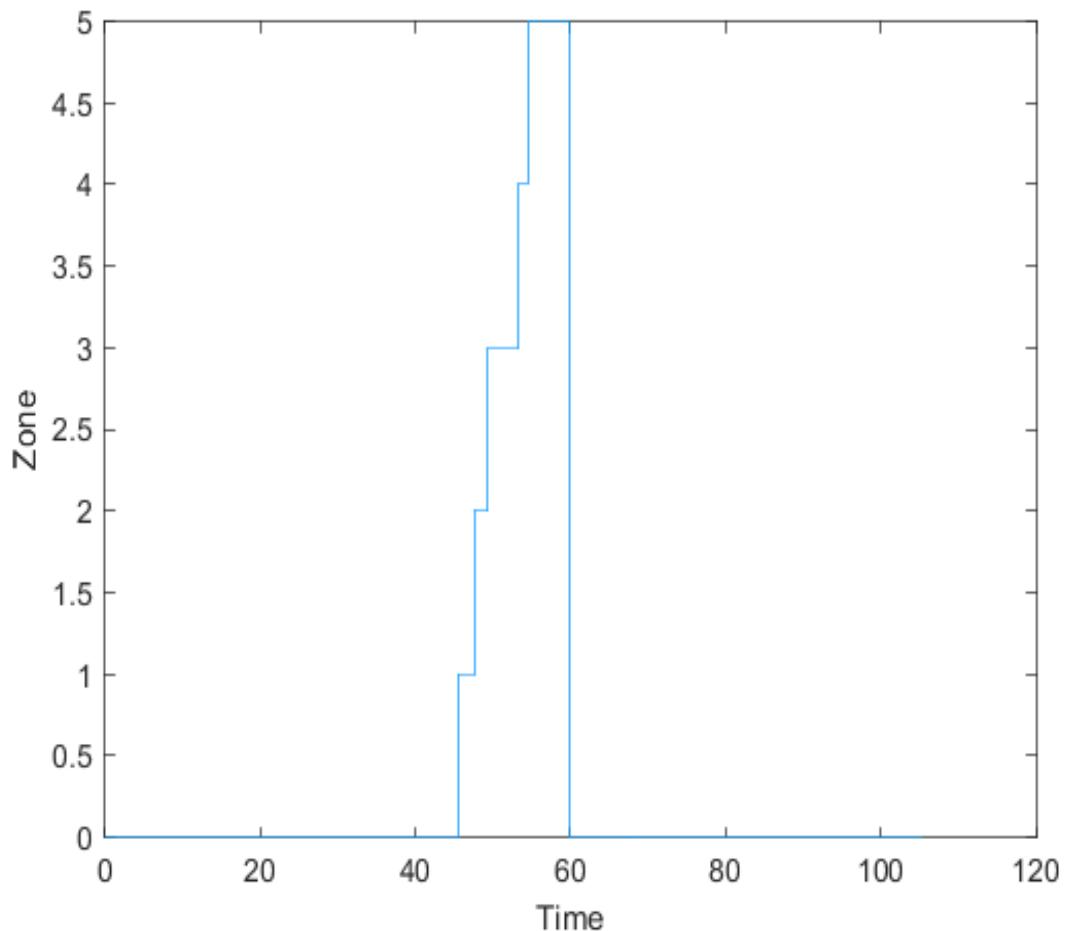
Start Time: 0  
Stop Time: 105.24080797865437  
Checksum: 1807712458 3299865283 3576710018 3019282040

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

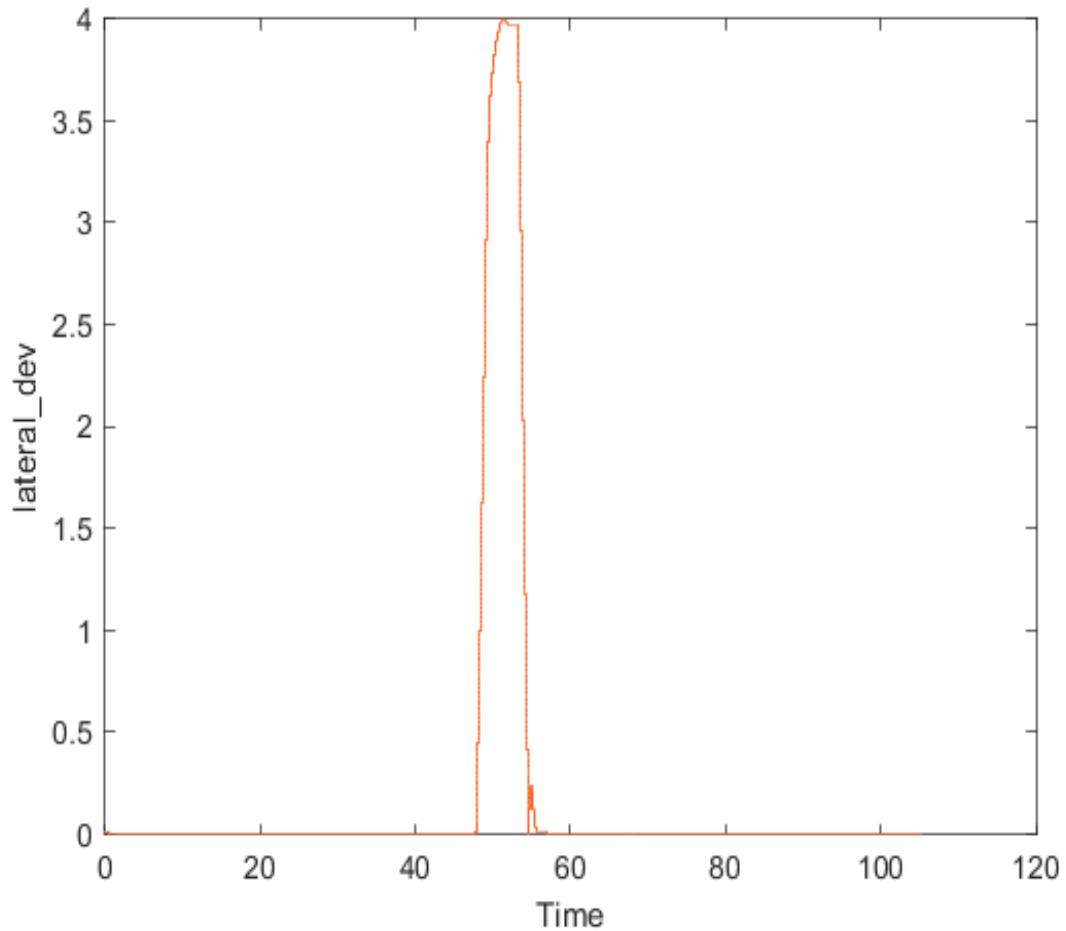
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 180° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 100km/h](#)

Start Time: 19-May-2021 21:38:32  
End Time: 19-May-2021 21:38:38  
Outcome: Passed

## Test Case Information

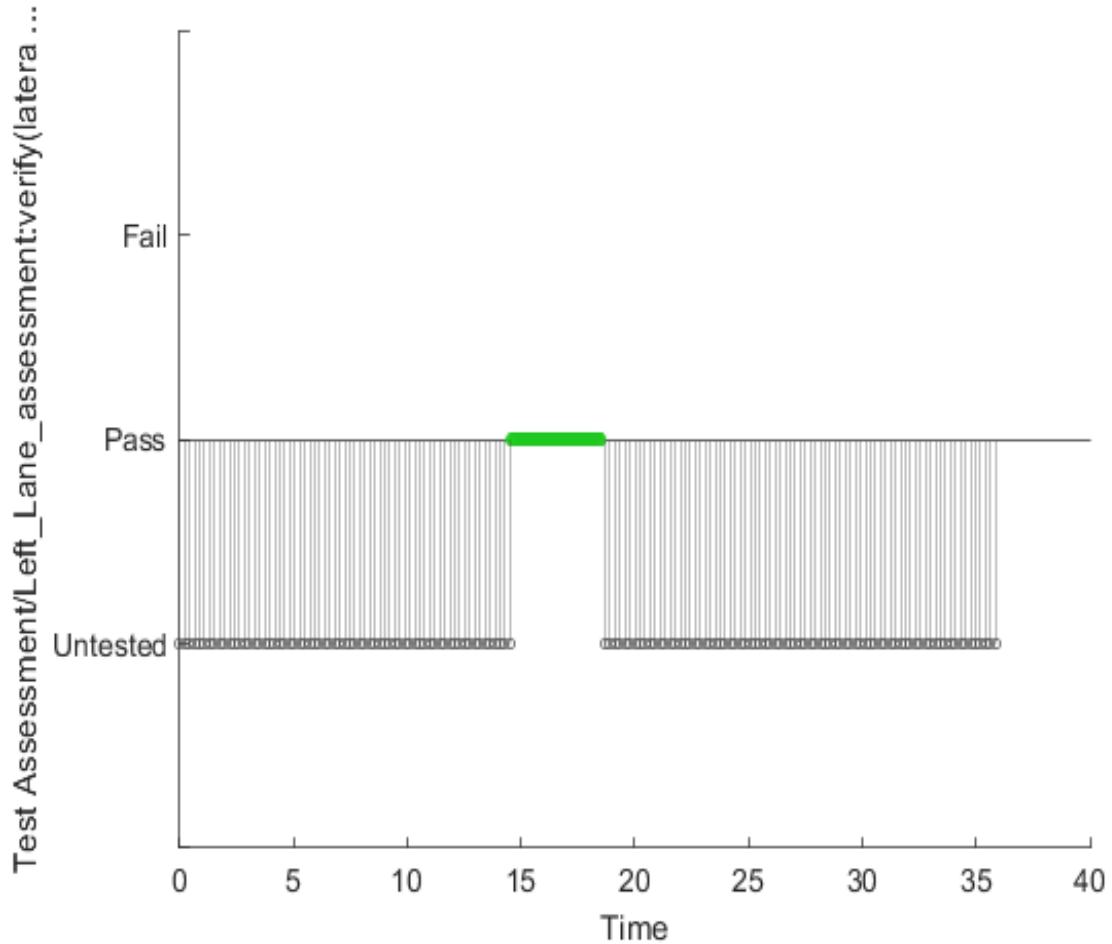
Name: 180° 100km/h  
Type: Simulation Test

## Verify Result

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

### Name

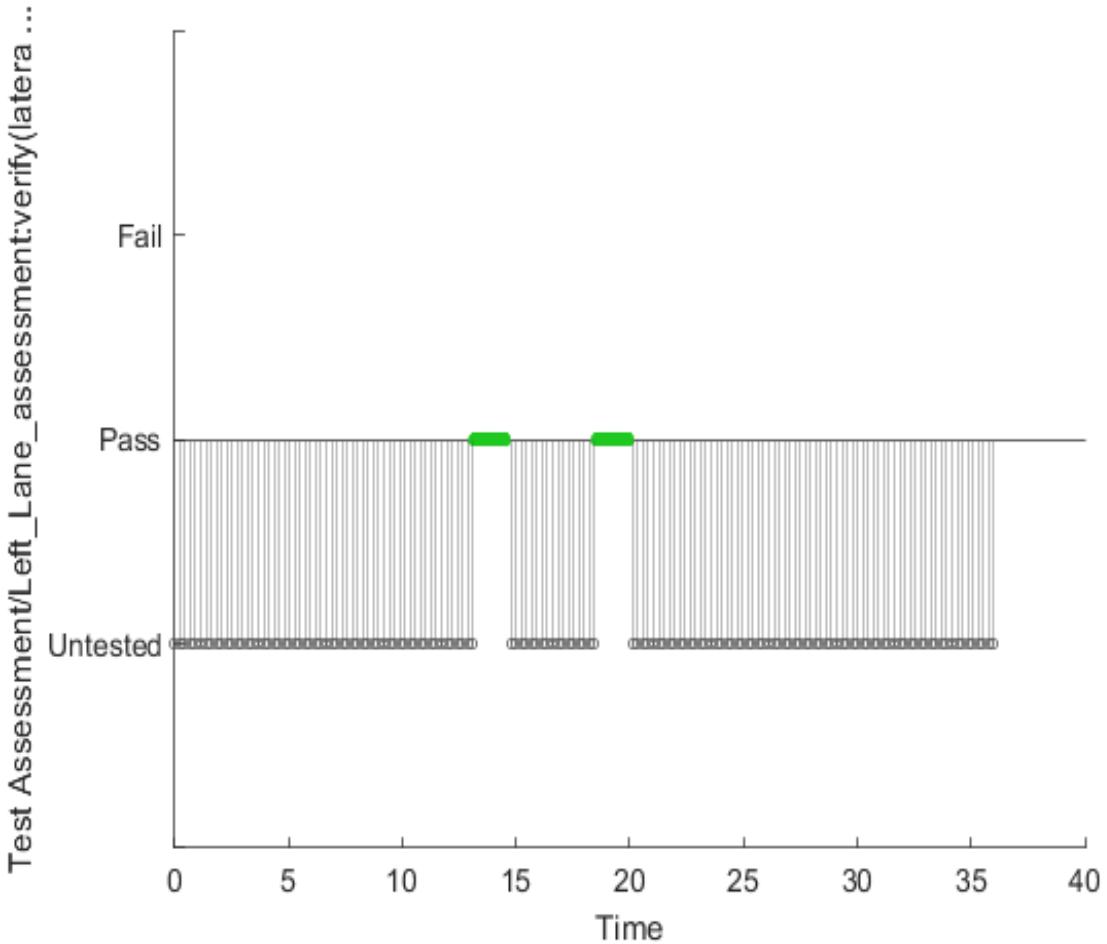
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

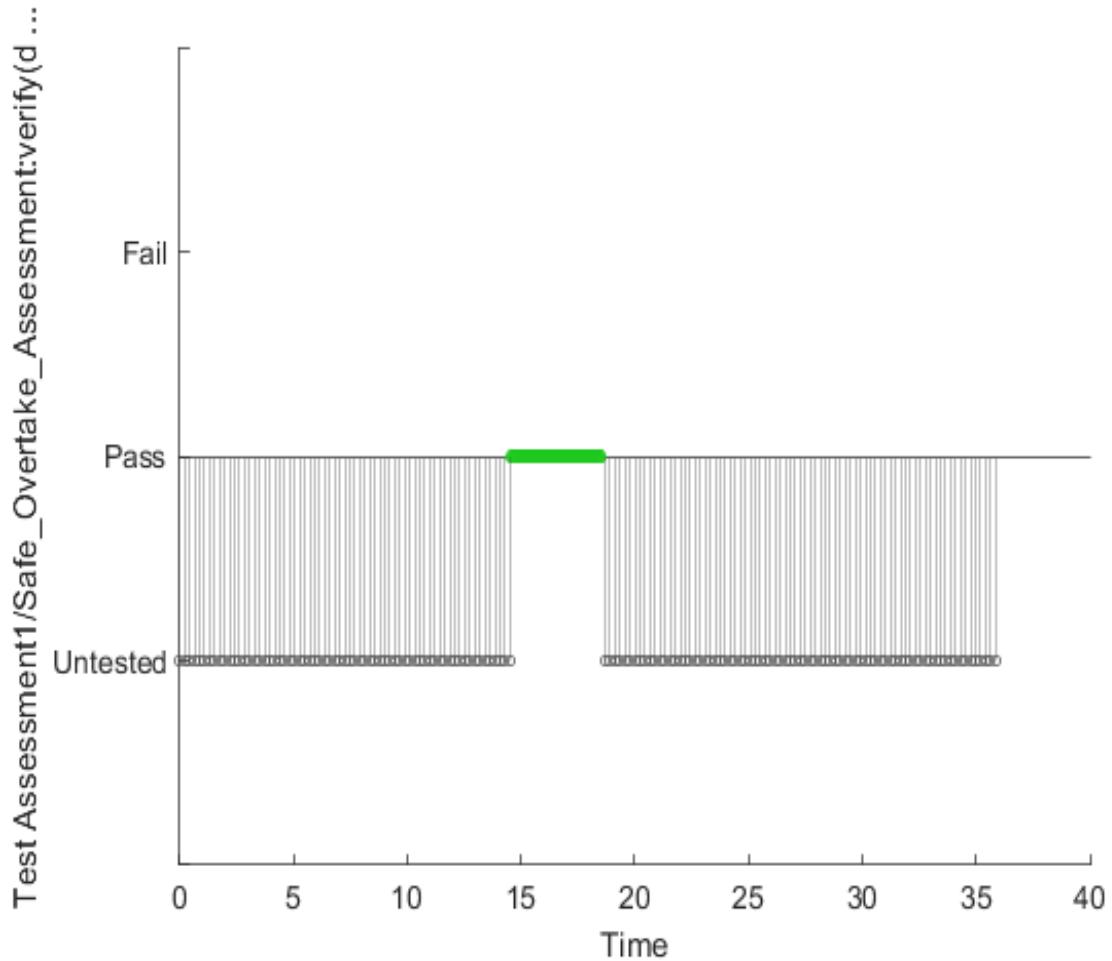
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



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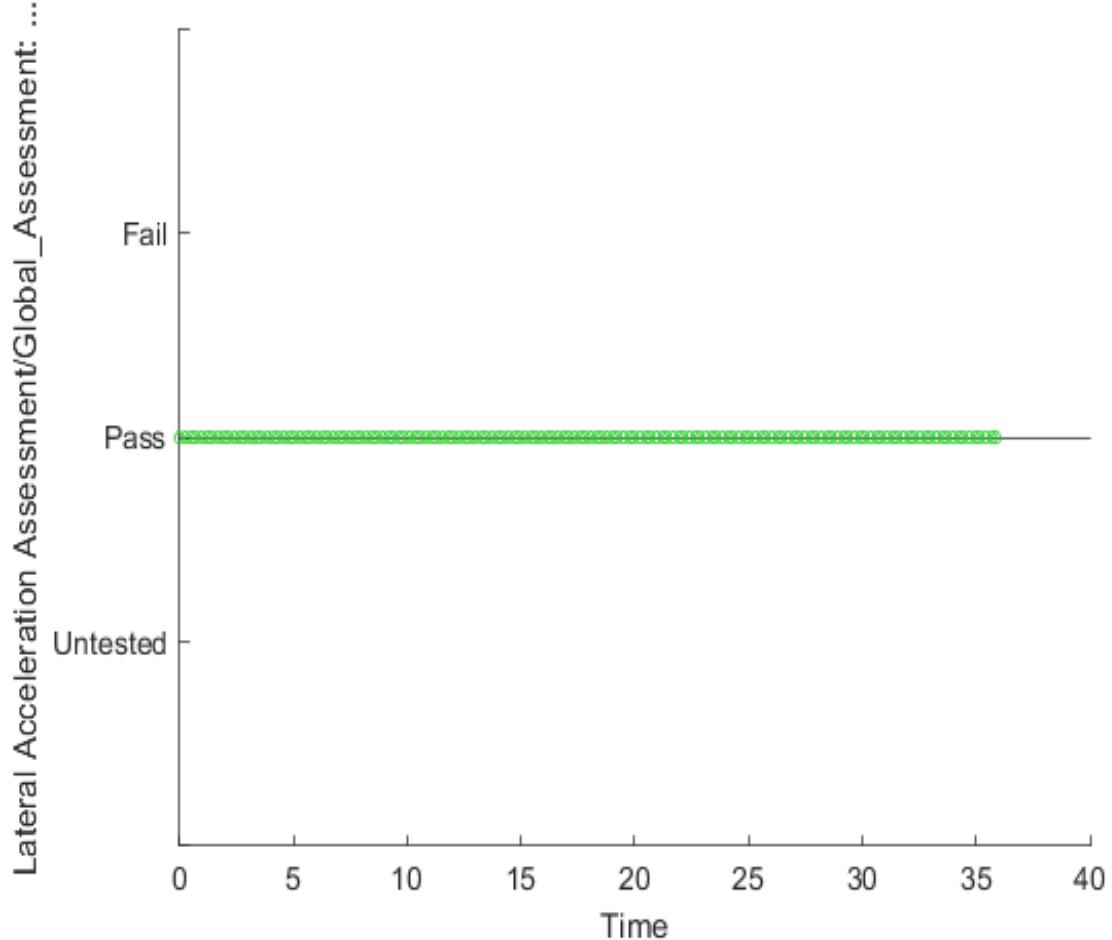
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

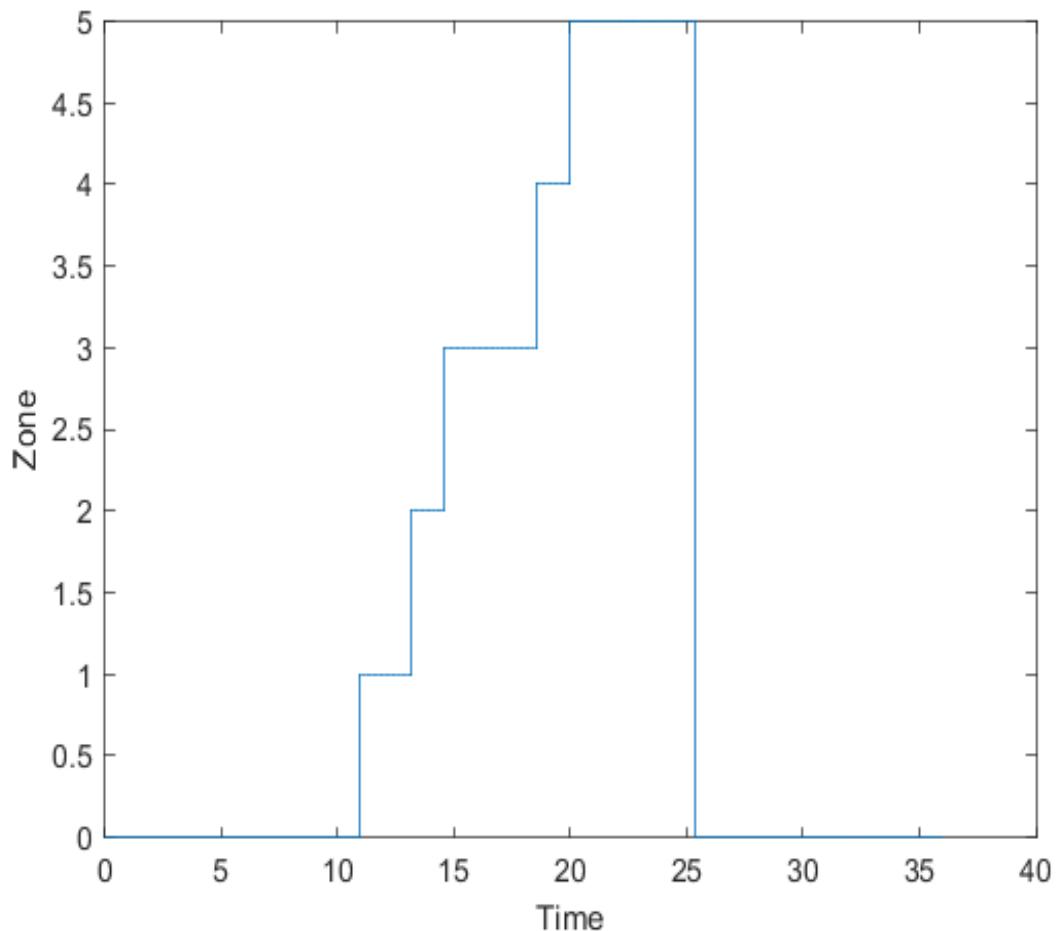
Start Time: 0  
Stop Time: 36  
Checksum: 554897310 492176260 791034472 2655960625

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

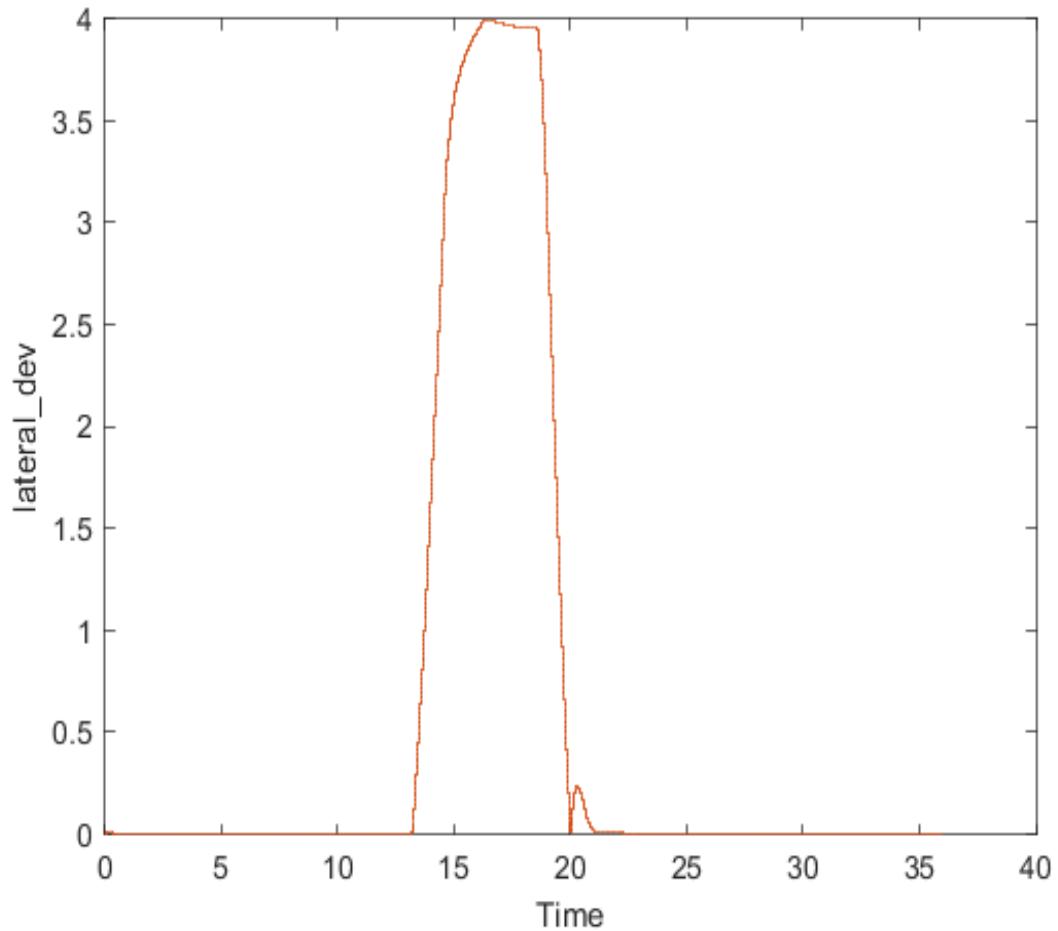
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -20° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:38  
End Time: 19-May-2021 21:38:42  
Outcome: Passed

## Test Case Information

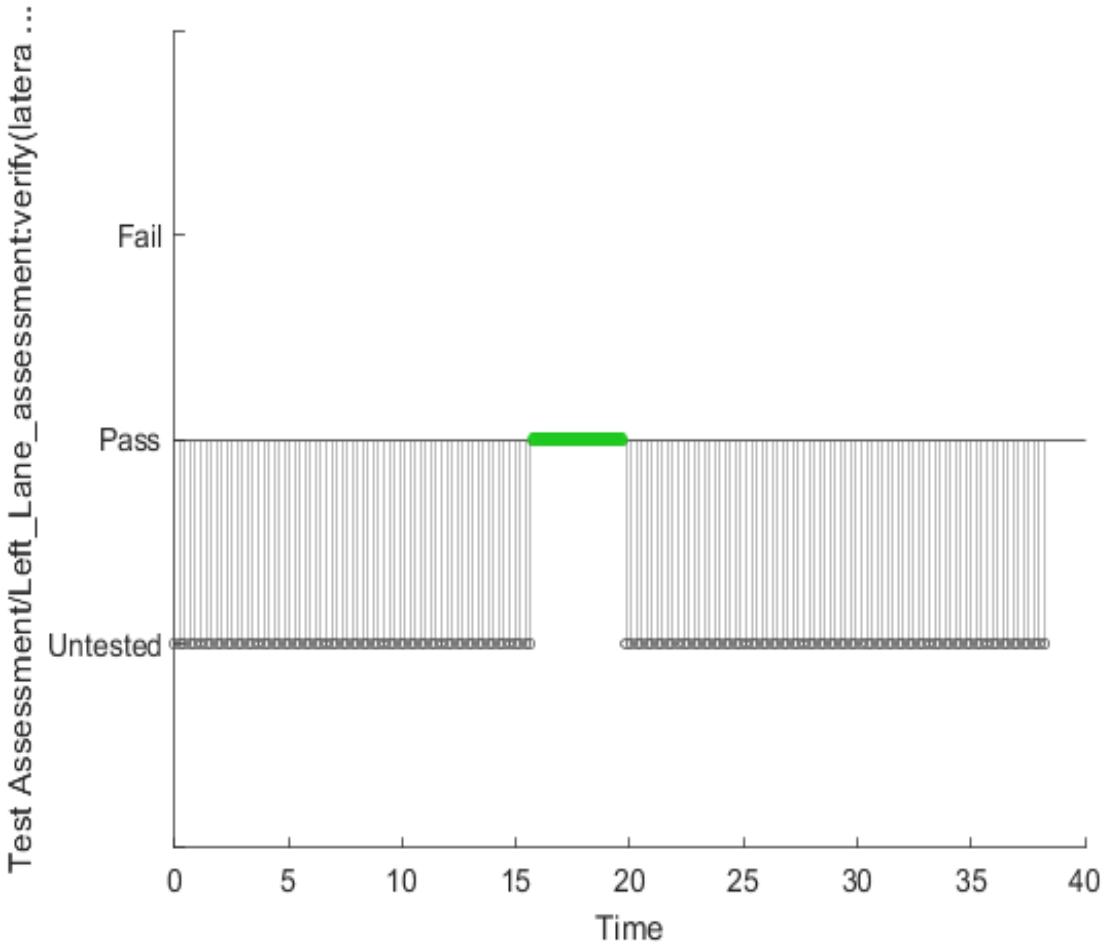
Name: -20° 100km/h  
Type: Simulation Test

## Verify Result

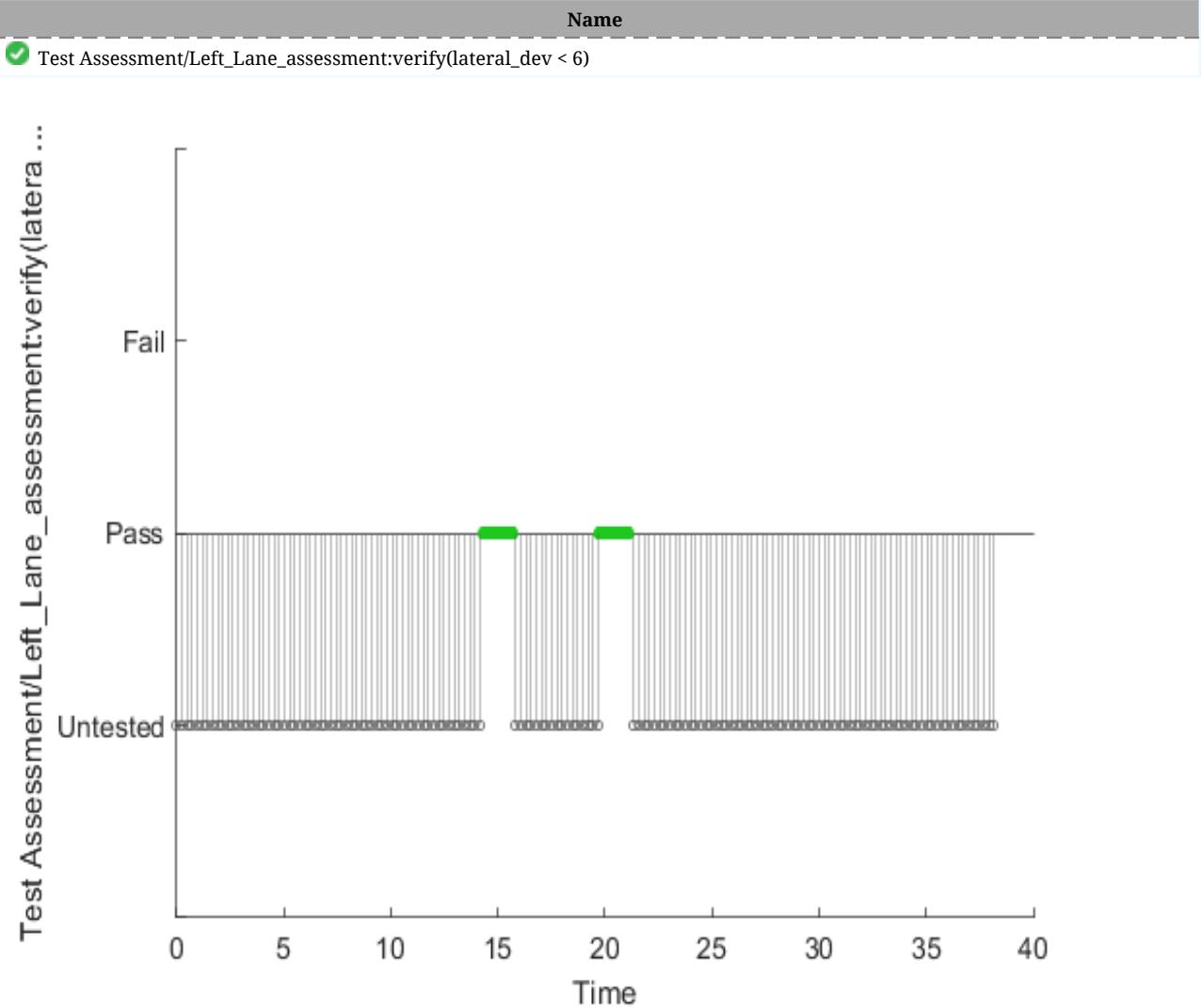
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



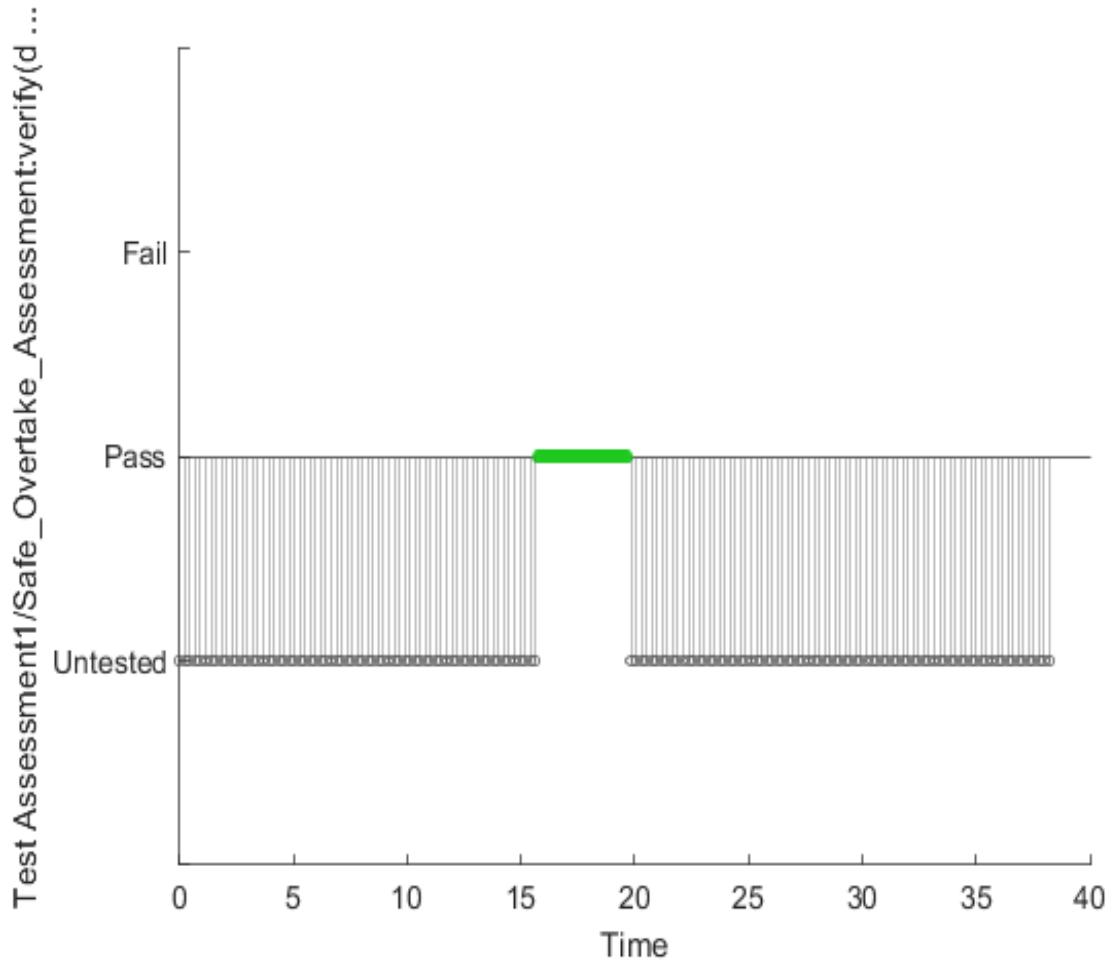
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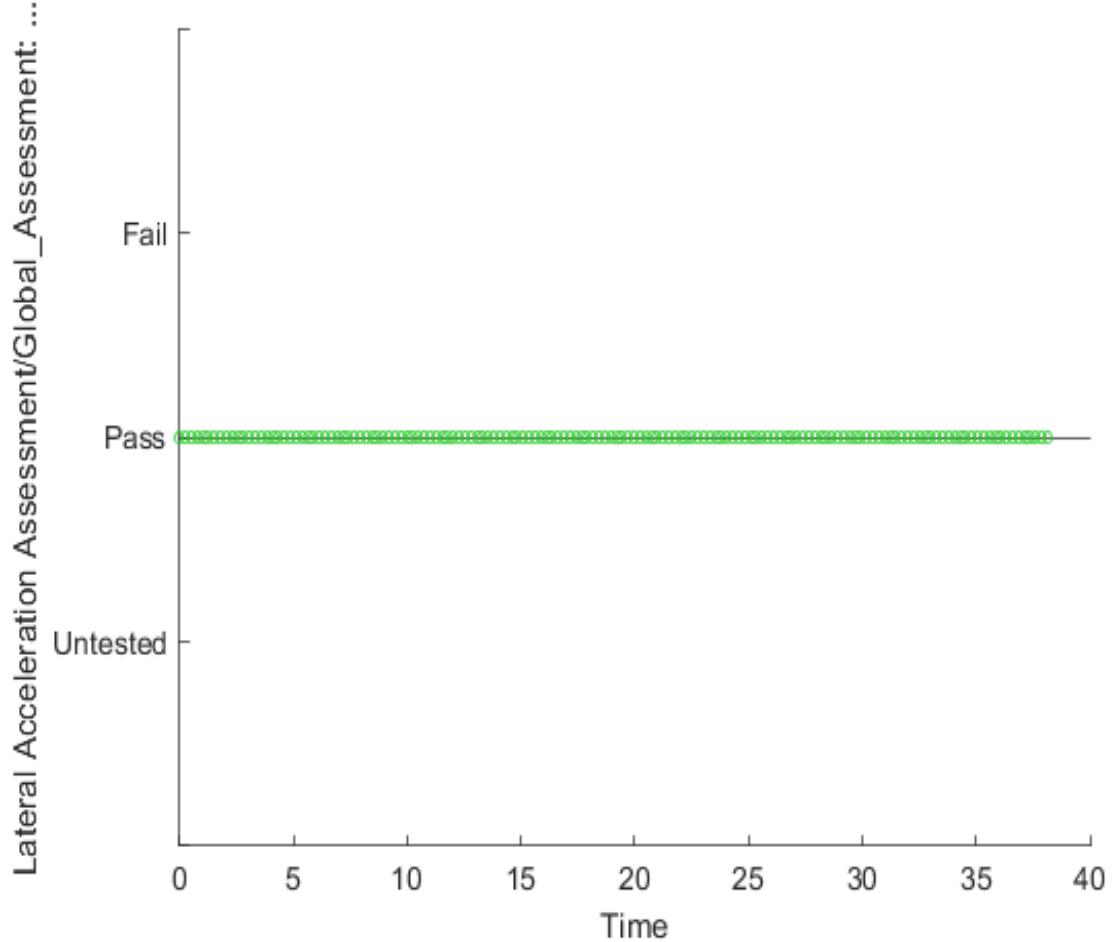
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

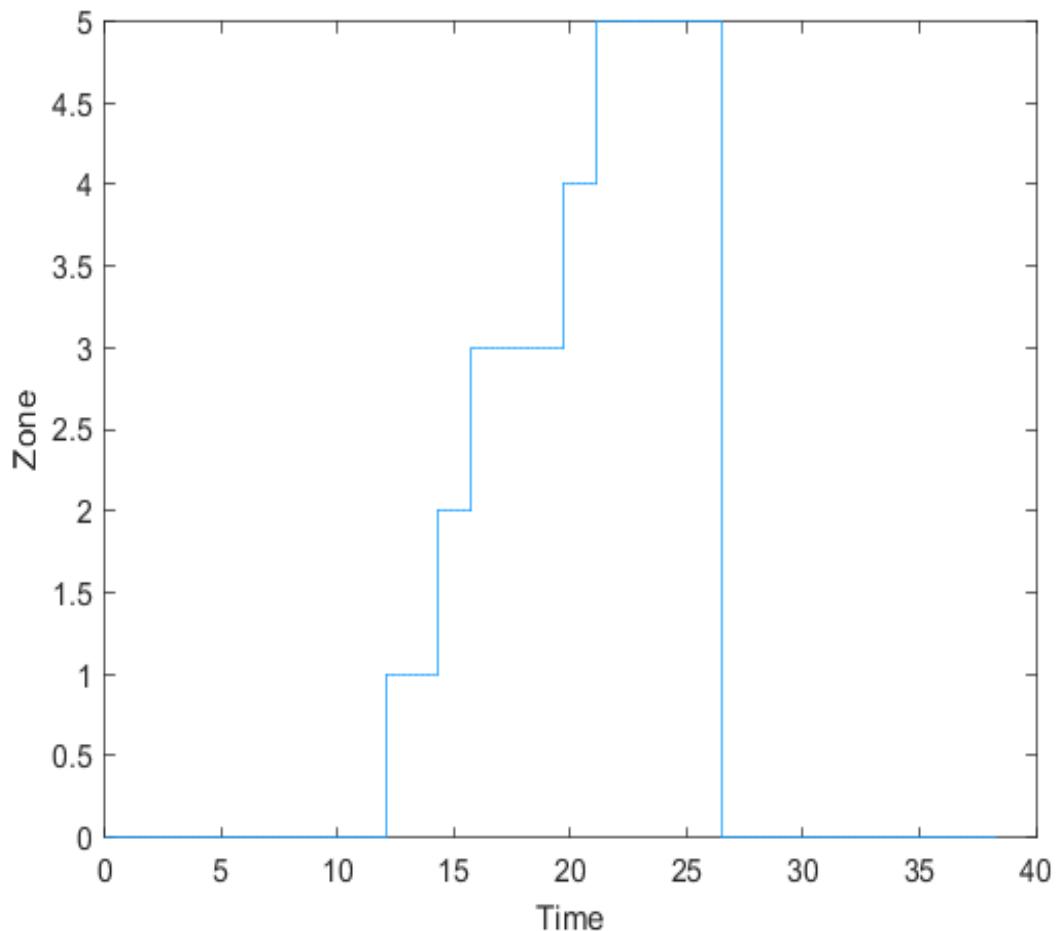
Start Time: 0  
Stop Time: 38.310766319665291  
Checksum: 2087382813 1804674372 2917305192 1530837885

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

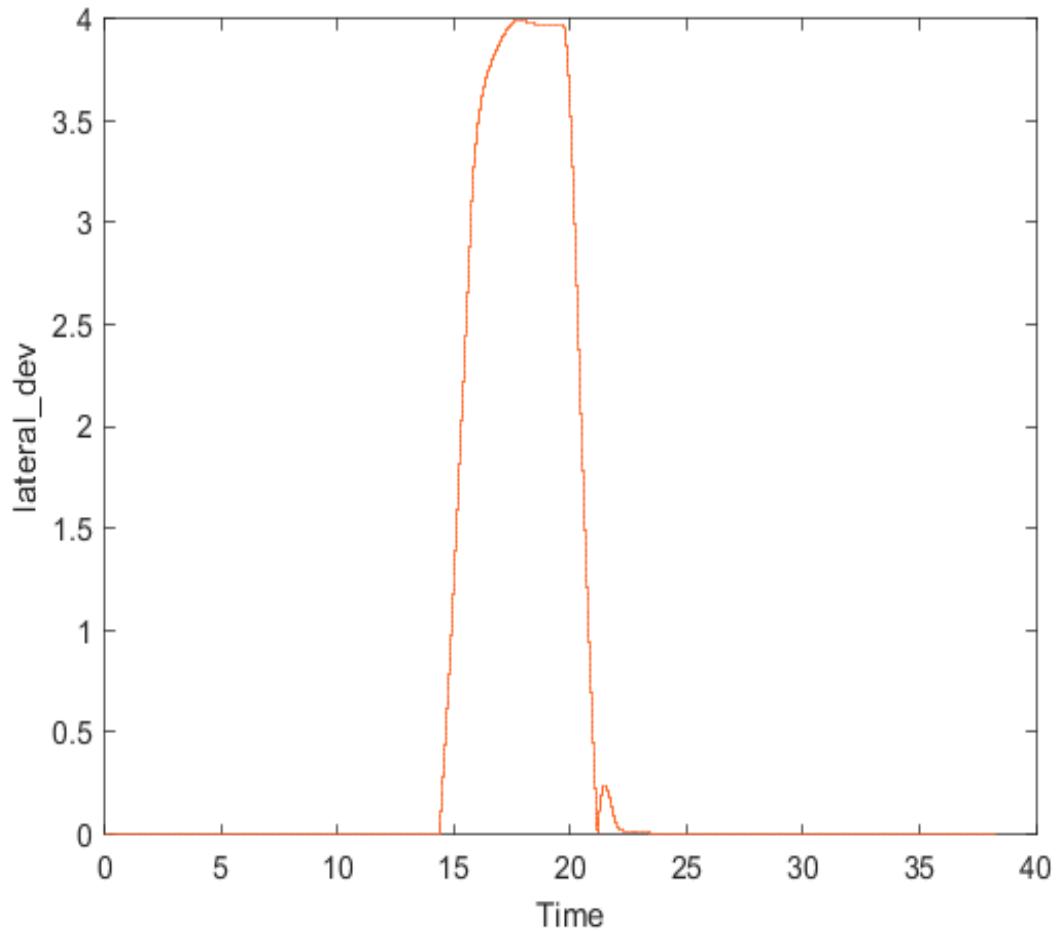
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -45° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:42  
End Time: 19-May-2021 21:38:47  
Outcome: Passed

## Test Case Information

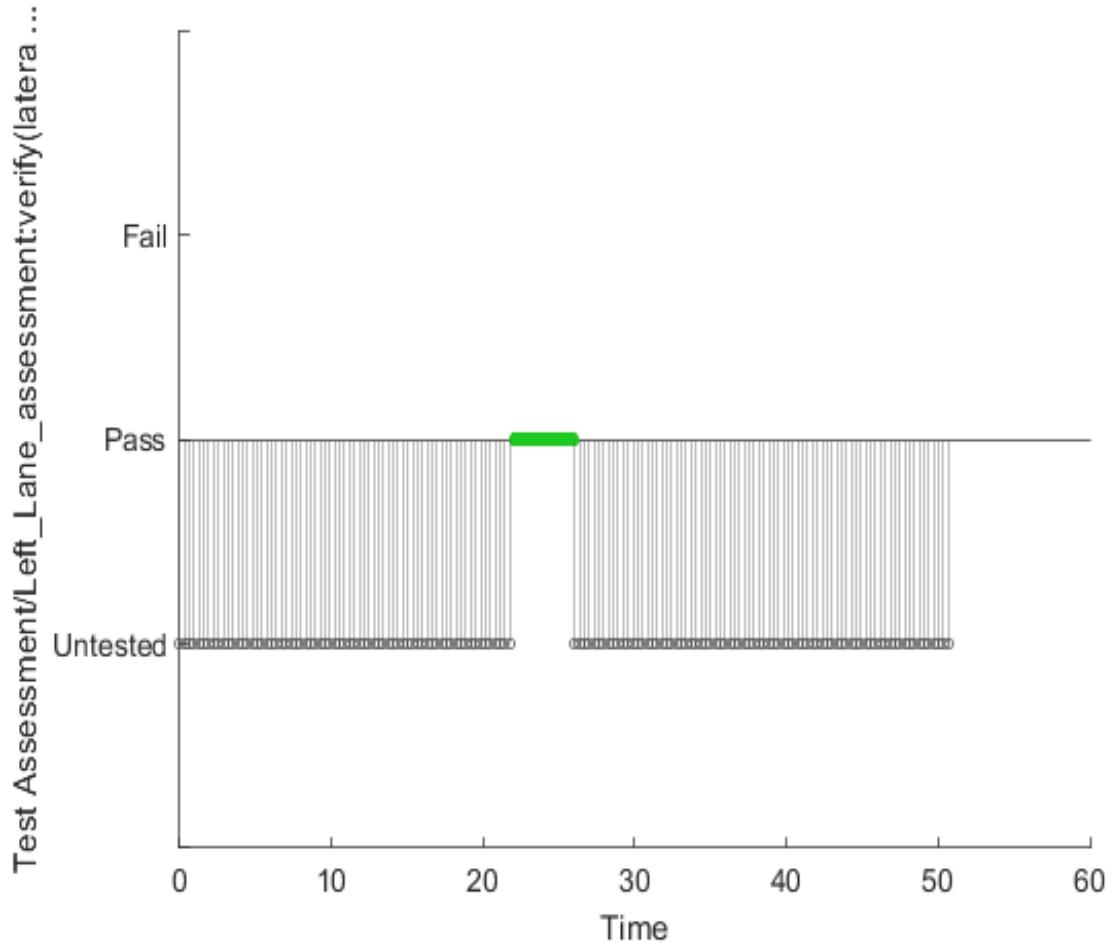
Name: -45° 100km/h  
Type: Simulation Test

## Verify Result

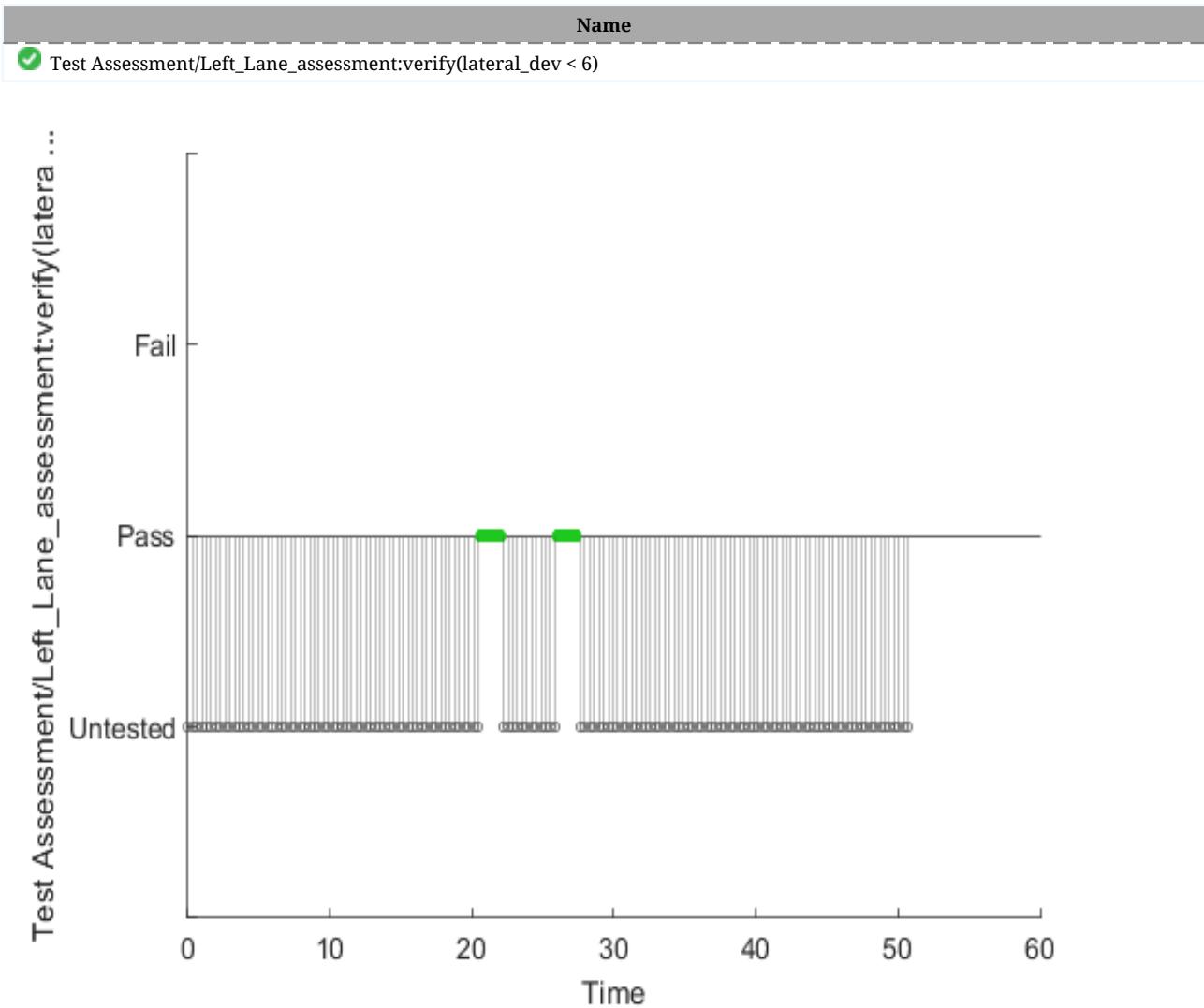
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



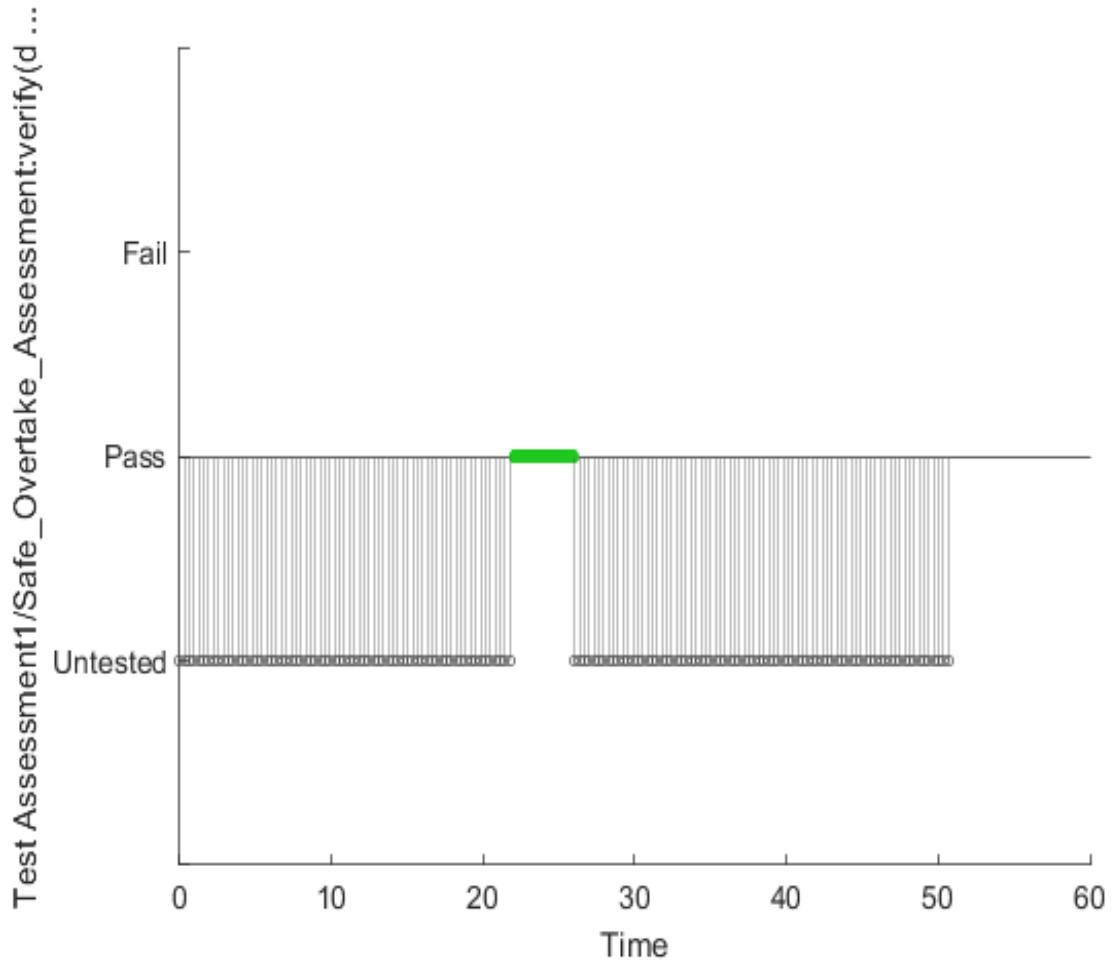
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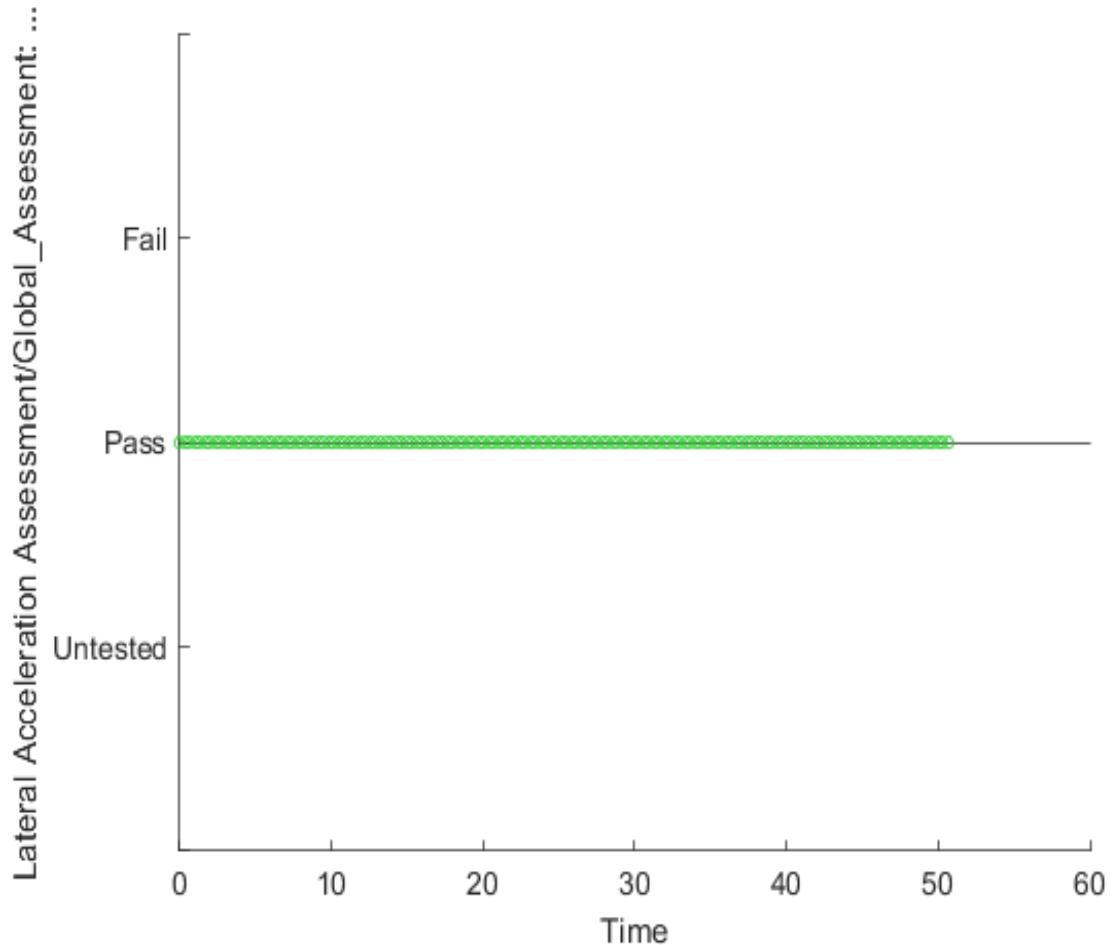
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

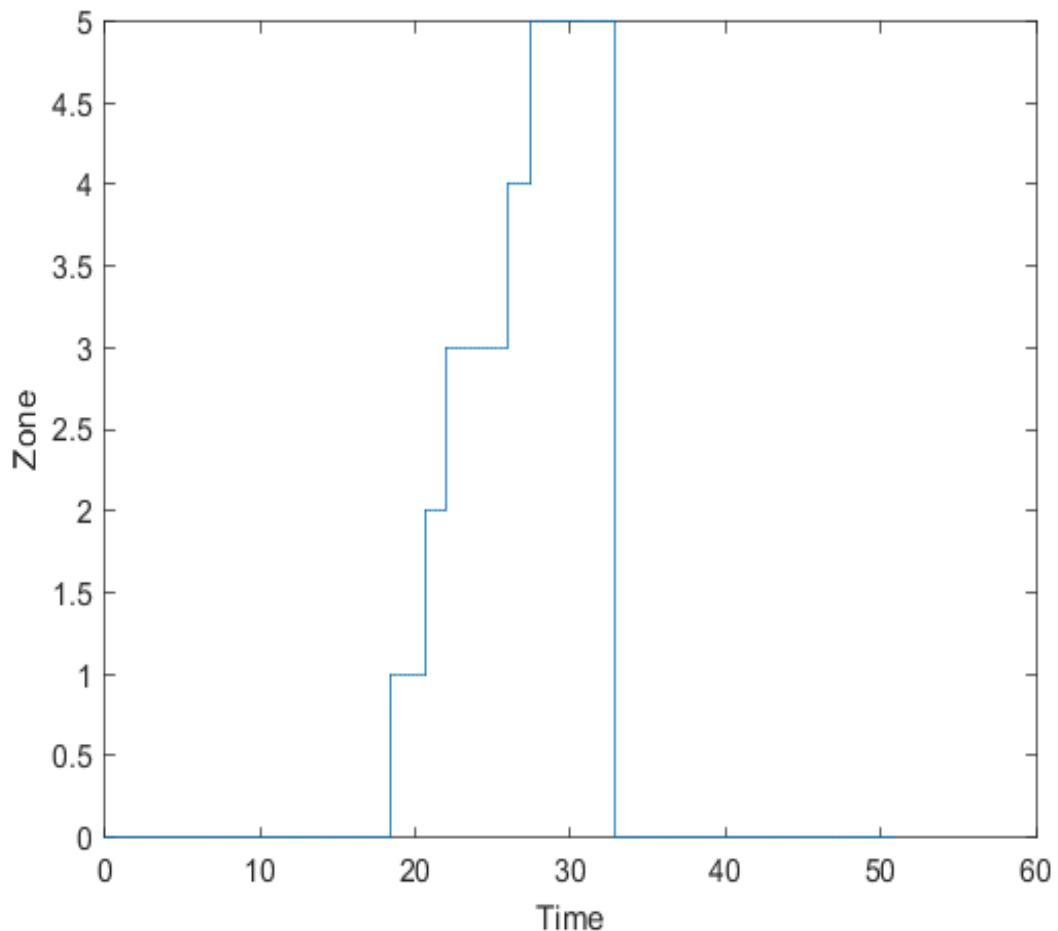
Start Time: 0  
Stop Time: 50.911688245431421  
Checksum: 2114219161 1707747788 3261604909 1194515559

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

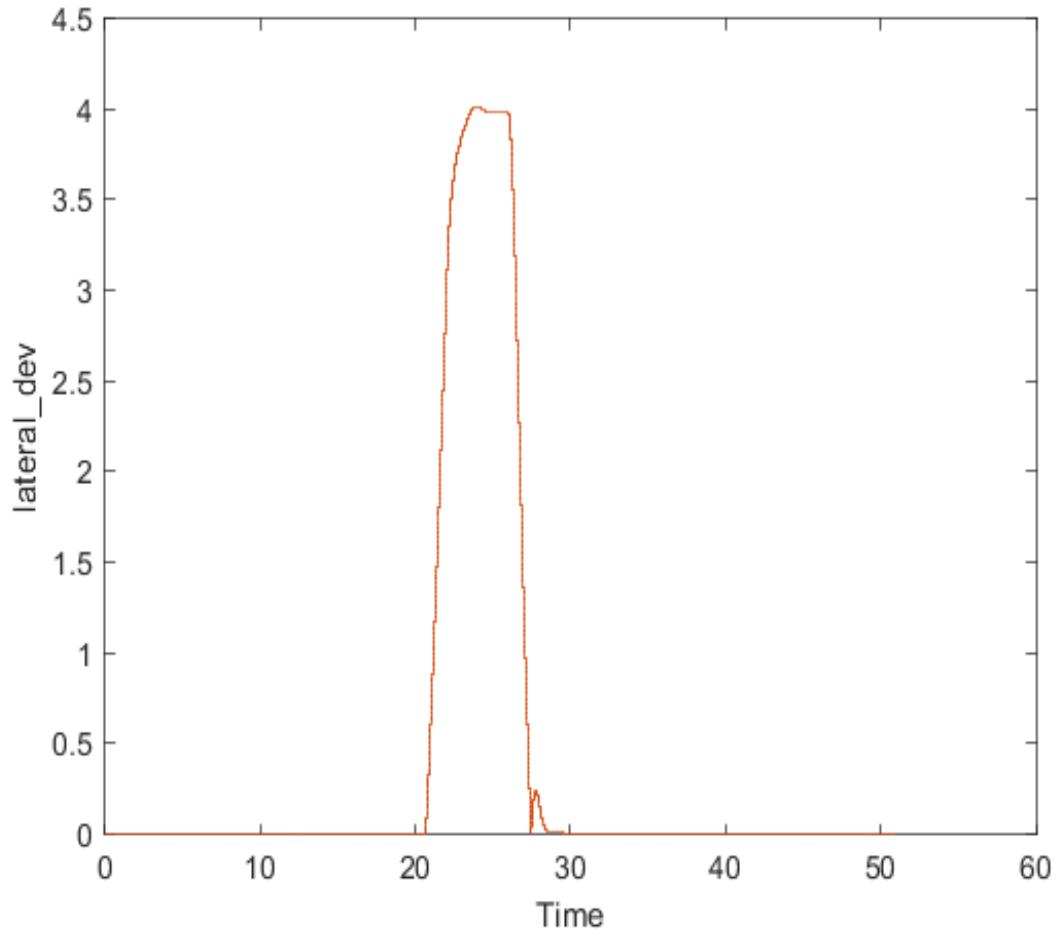
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -70° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 100km/h](#)

Start Time: 19-May-2021 21:38:47  
End Time: 19-May-2021 21:38:56  
Outcome: Passed

## Test Case Information

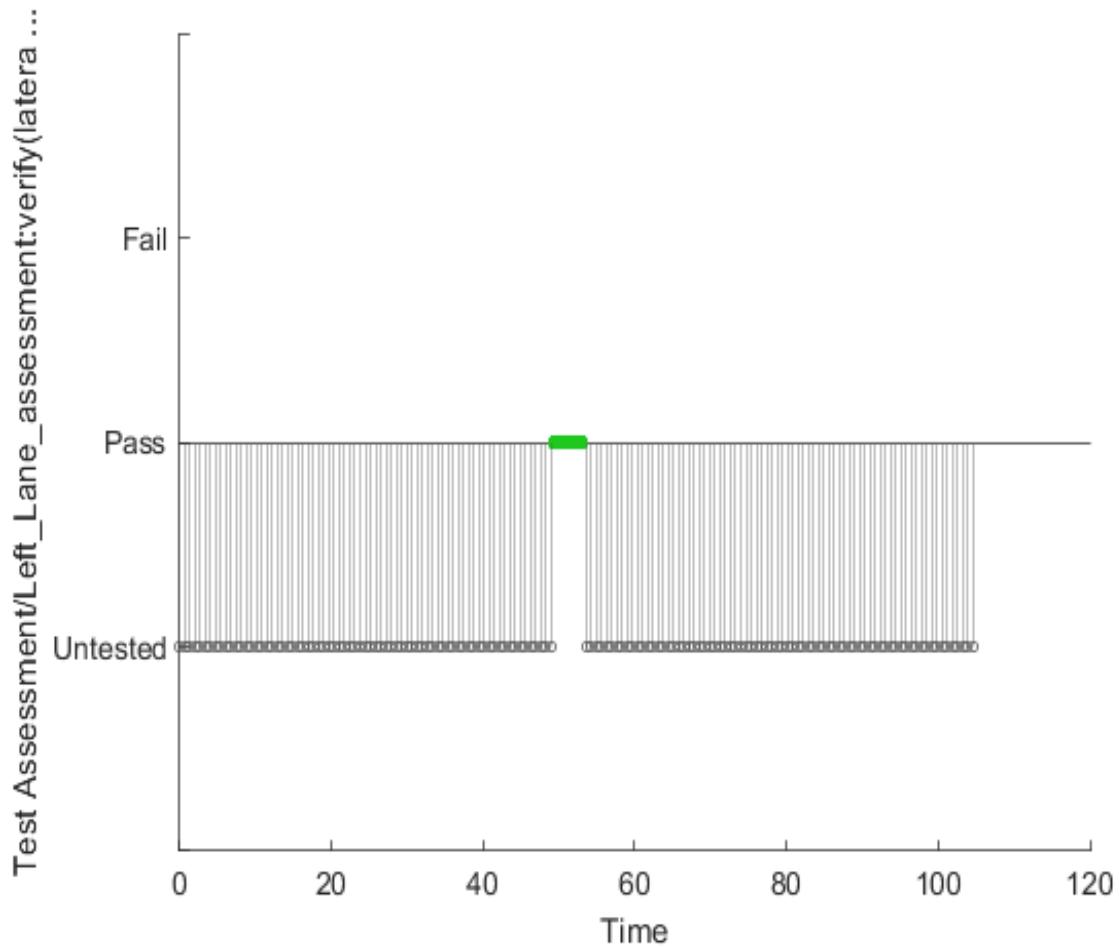
Name: -70° 100km/h  
Type: Simulation Test

## Verify Result

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

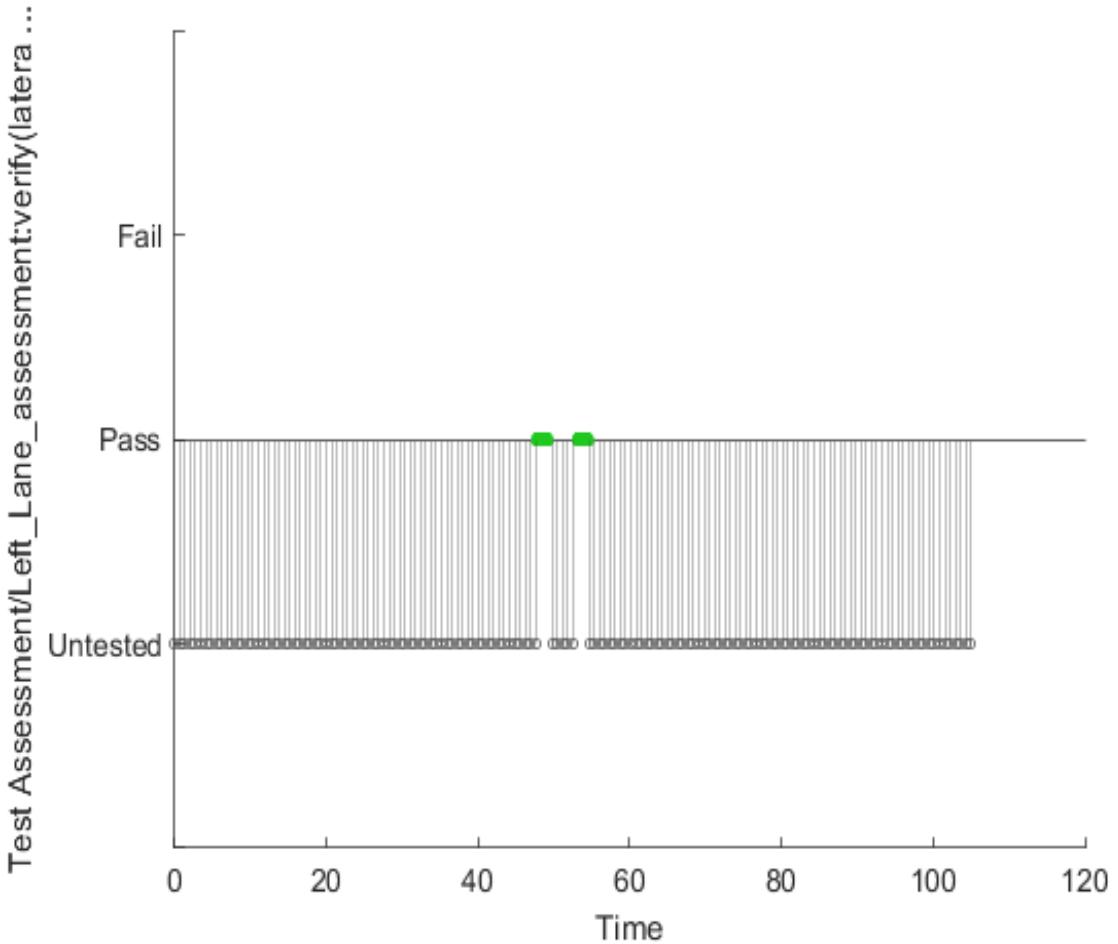
### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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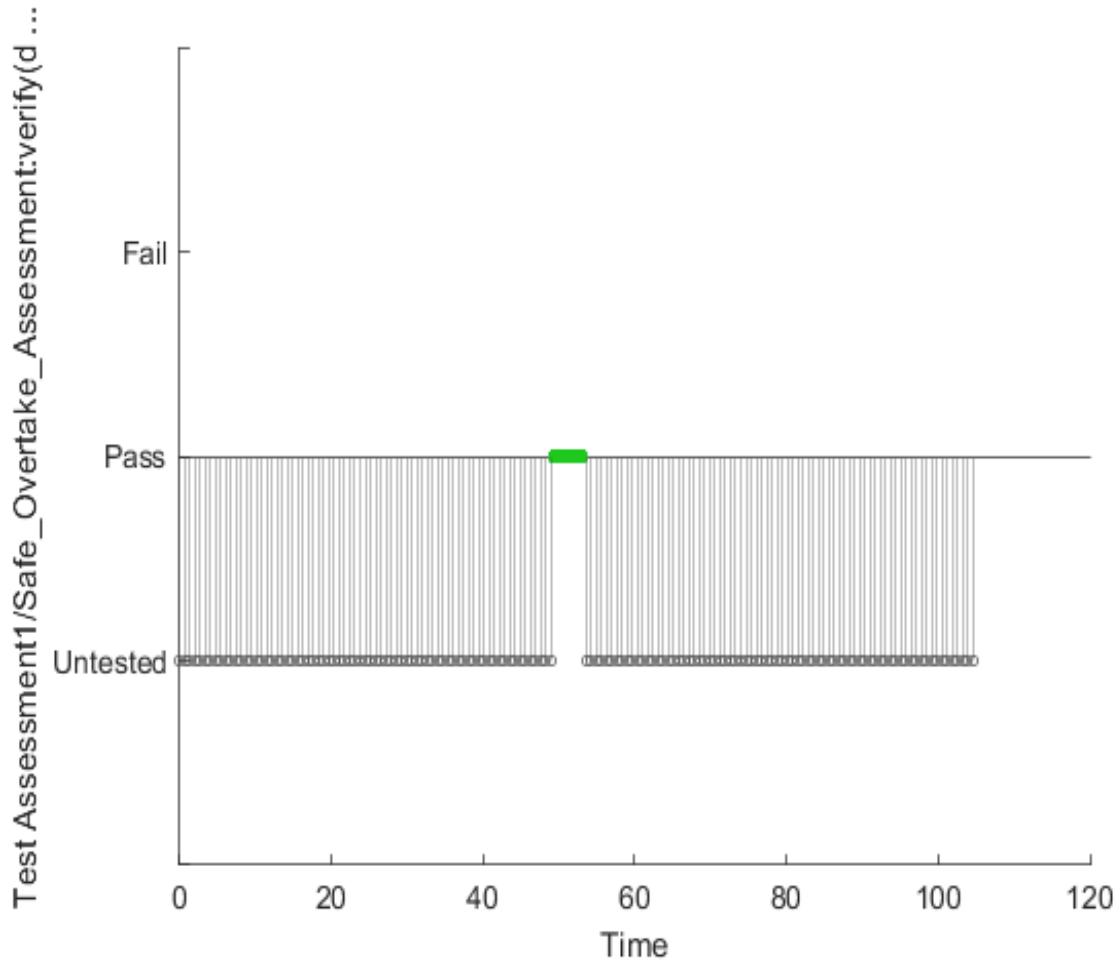
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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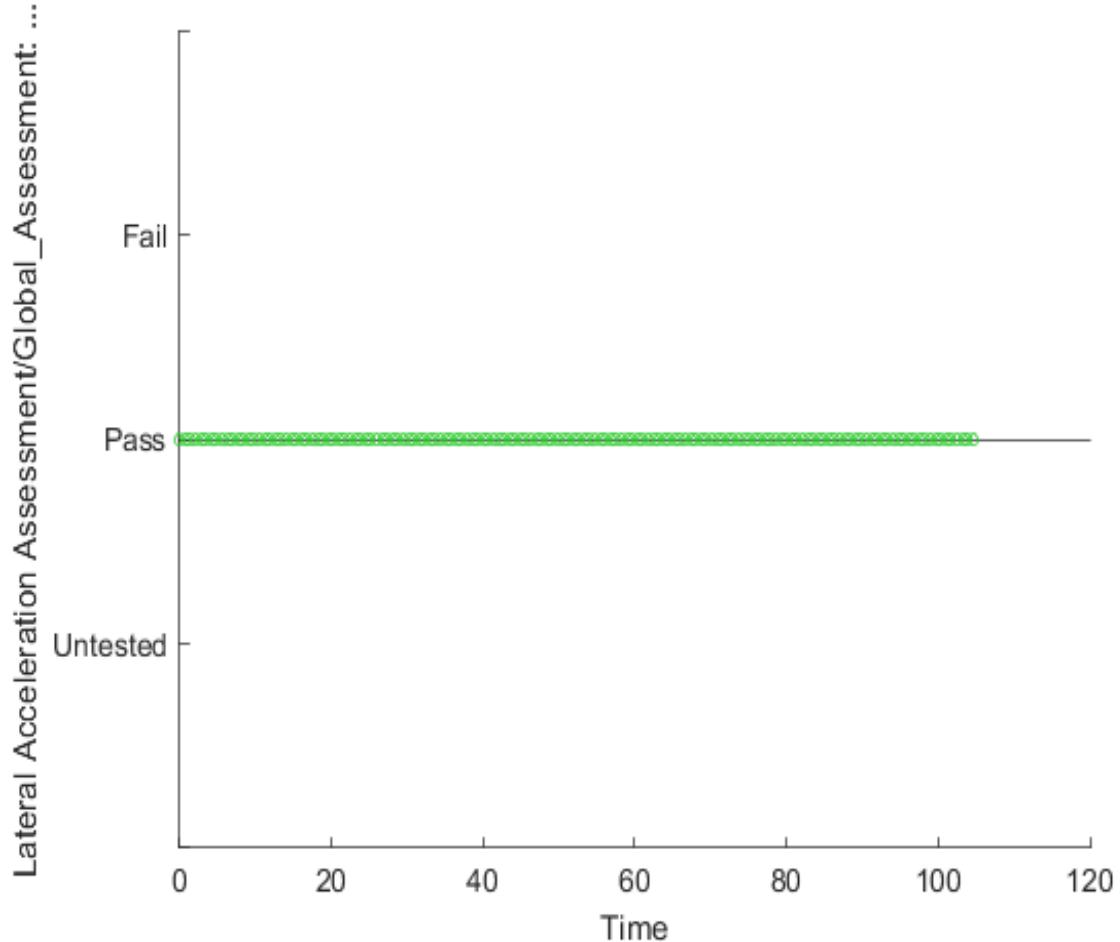
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

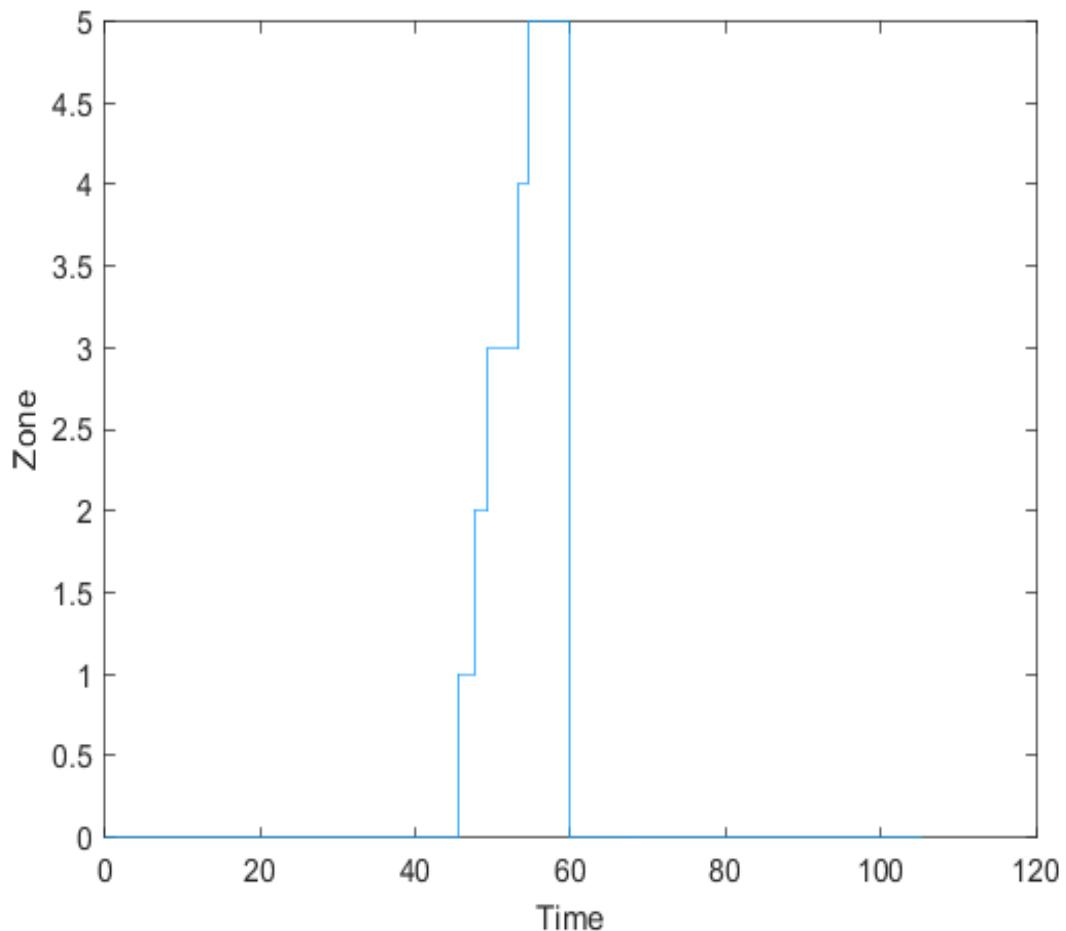
Start Time: 0  
Stop Time: 105.24080797865437  
Checksum: 1807712458 3299865283 3576710018 3019282040

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

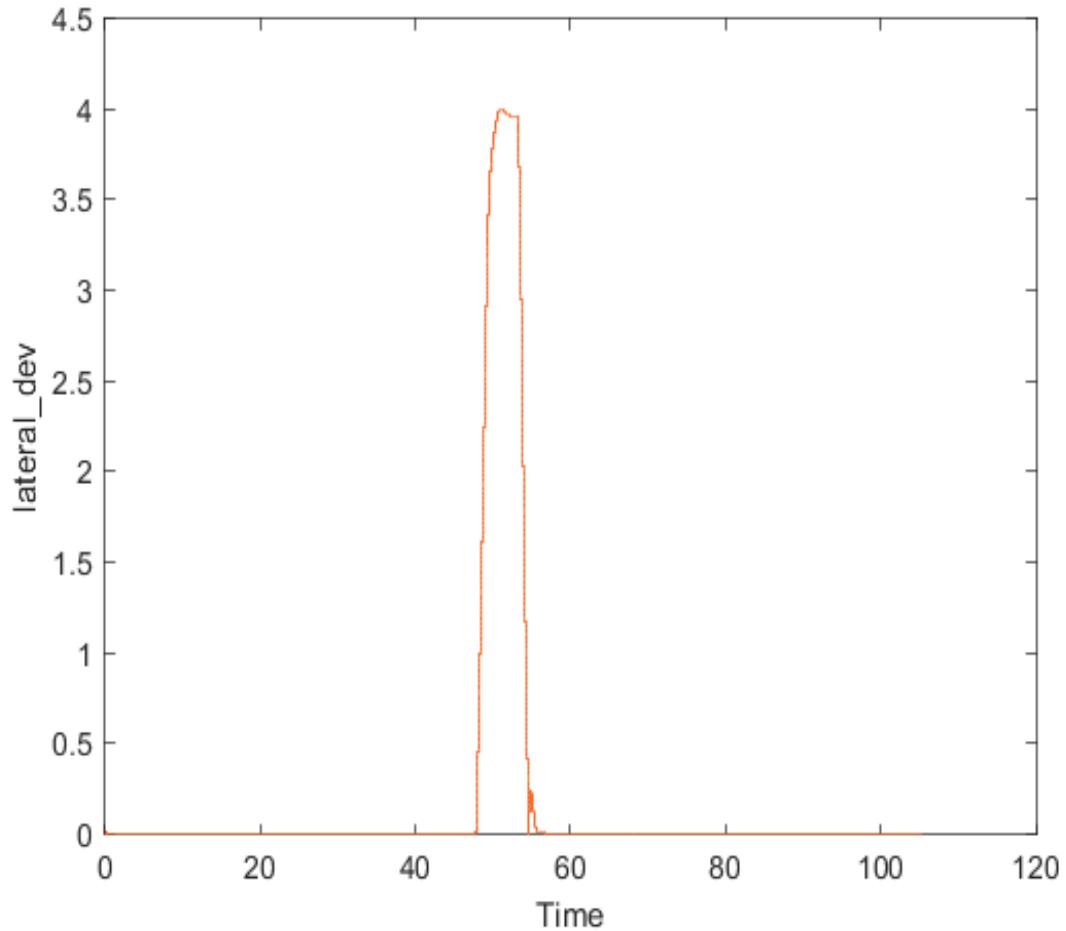
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -90° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:38:56  
End Time: 19-May-2021 21:39:04  
Outcome: Passed

## Test Case Information

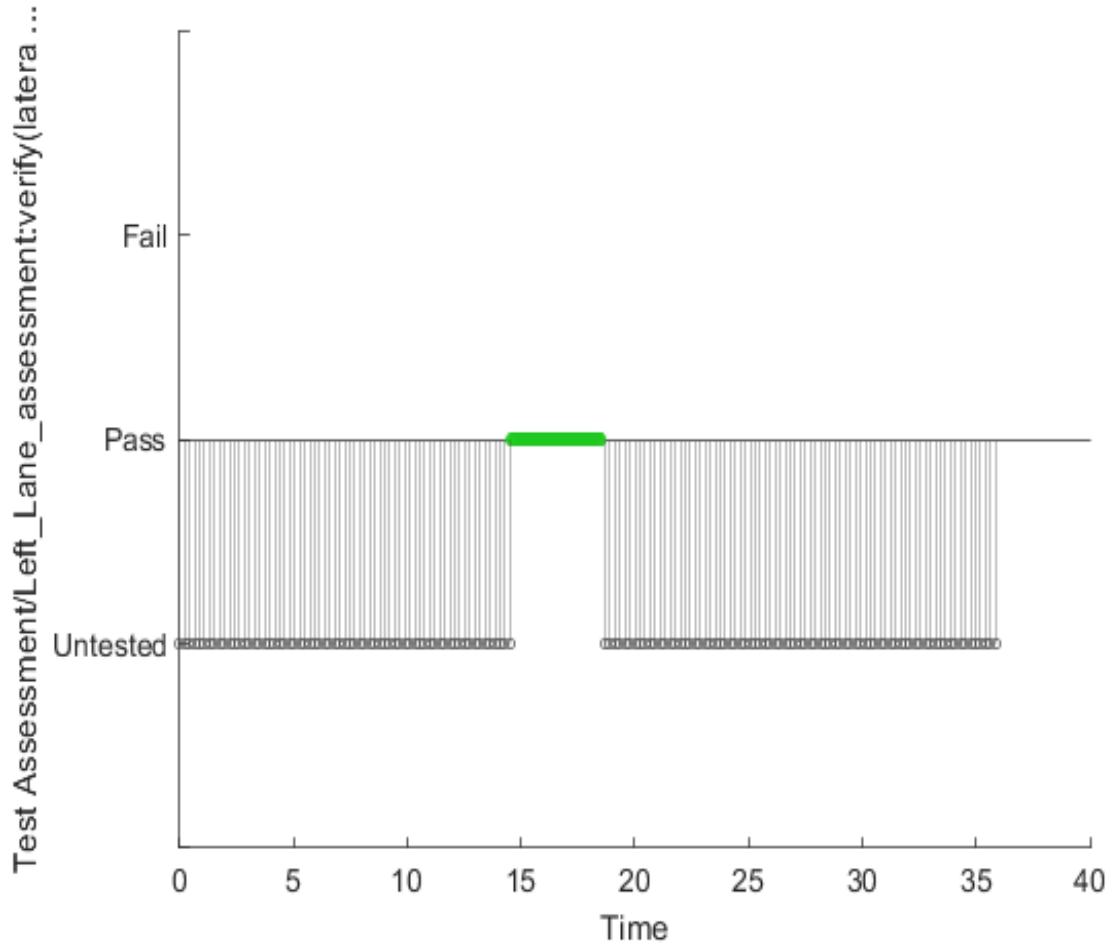
Name: -90° 100km/h  
Type: Simulation Test

## Verify Result

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

### Name

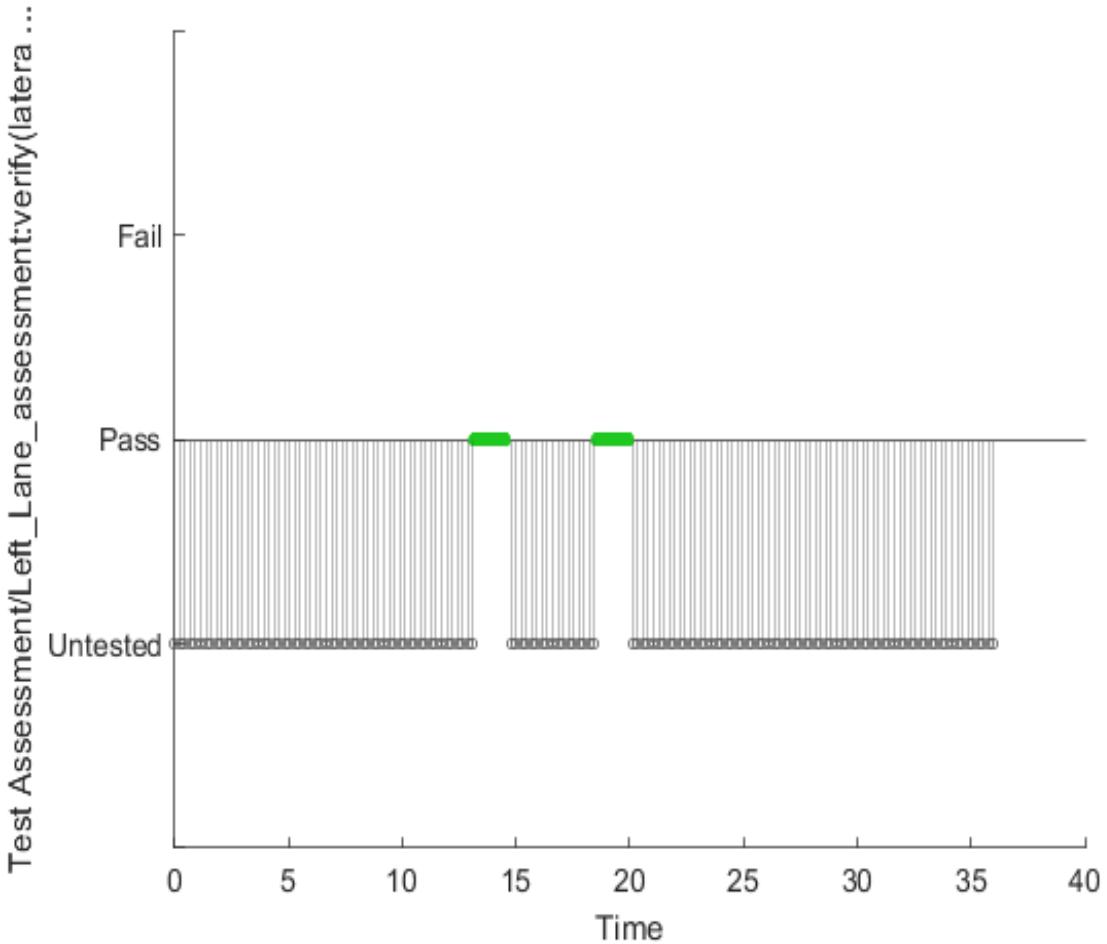
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

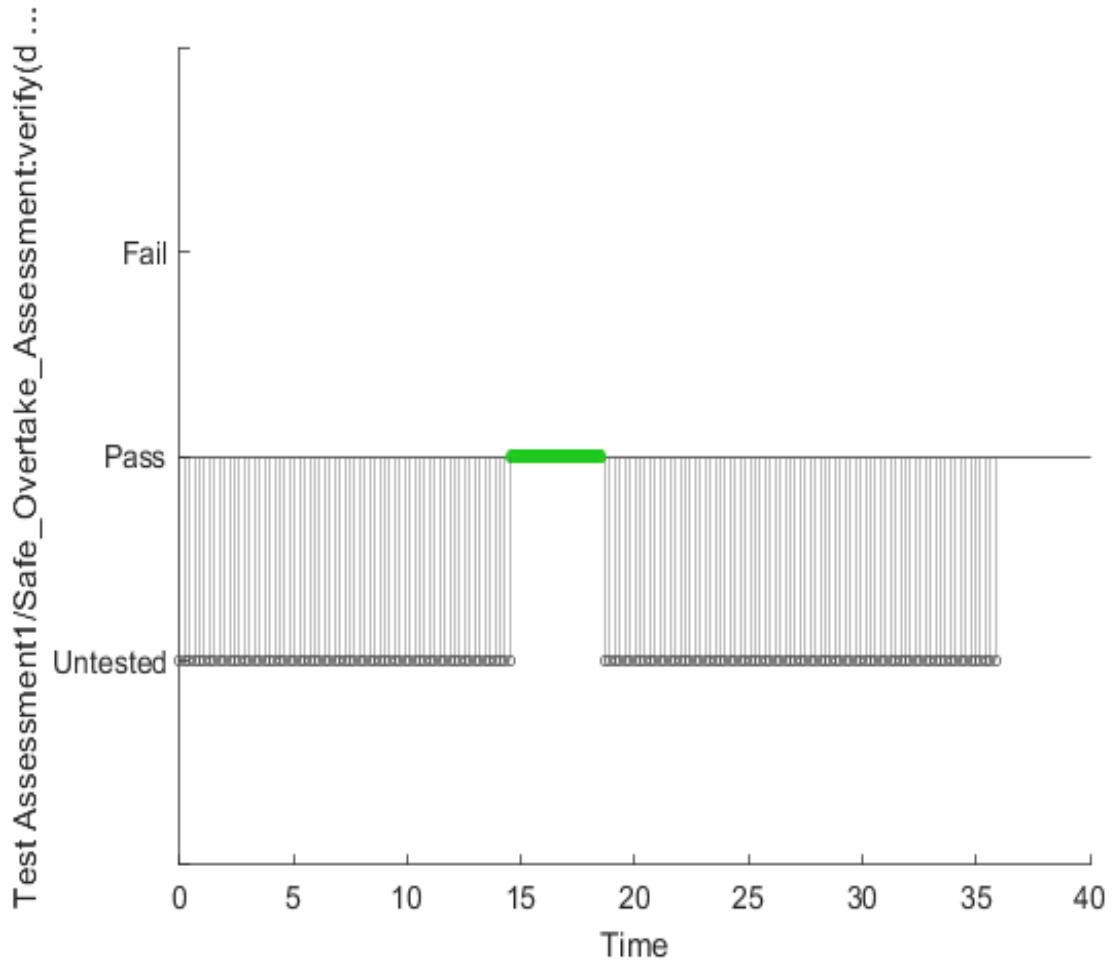
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



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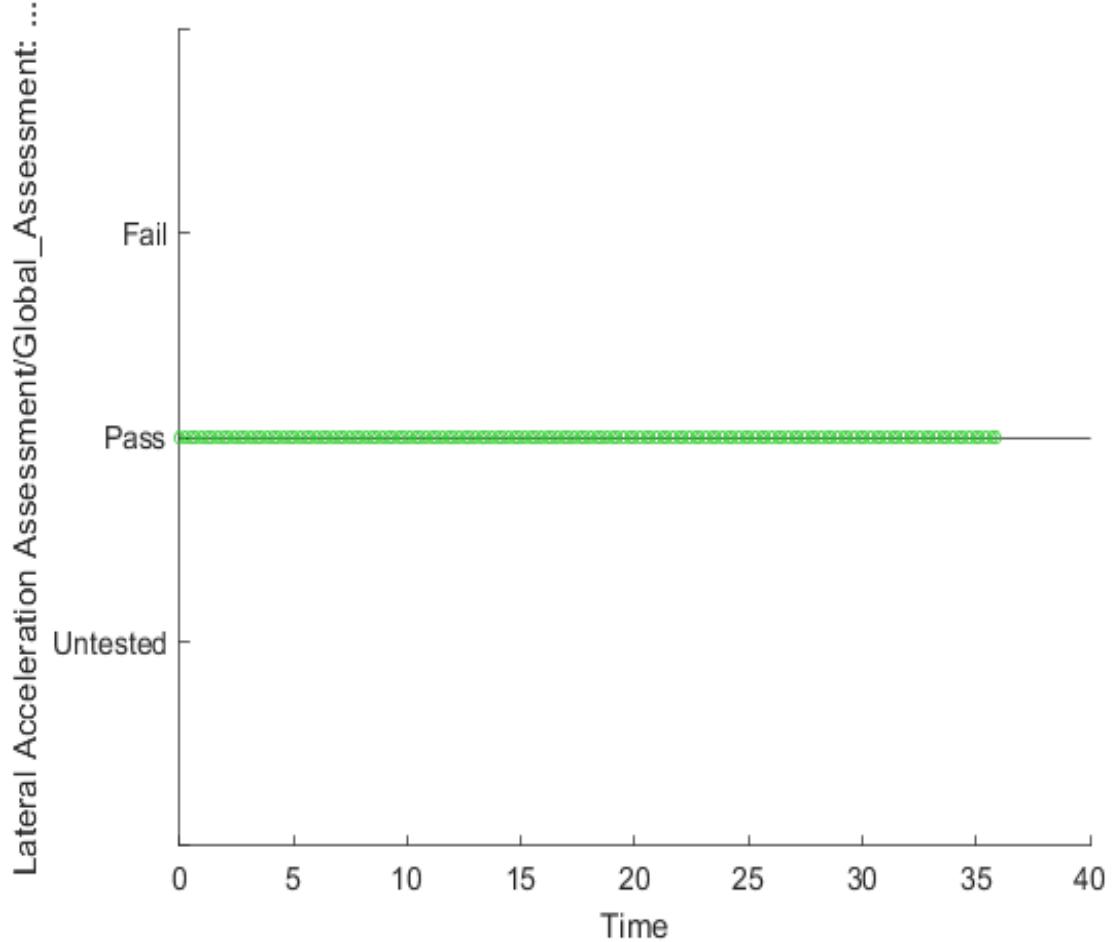
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

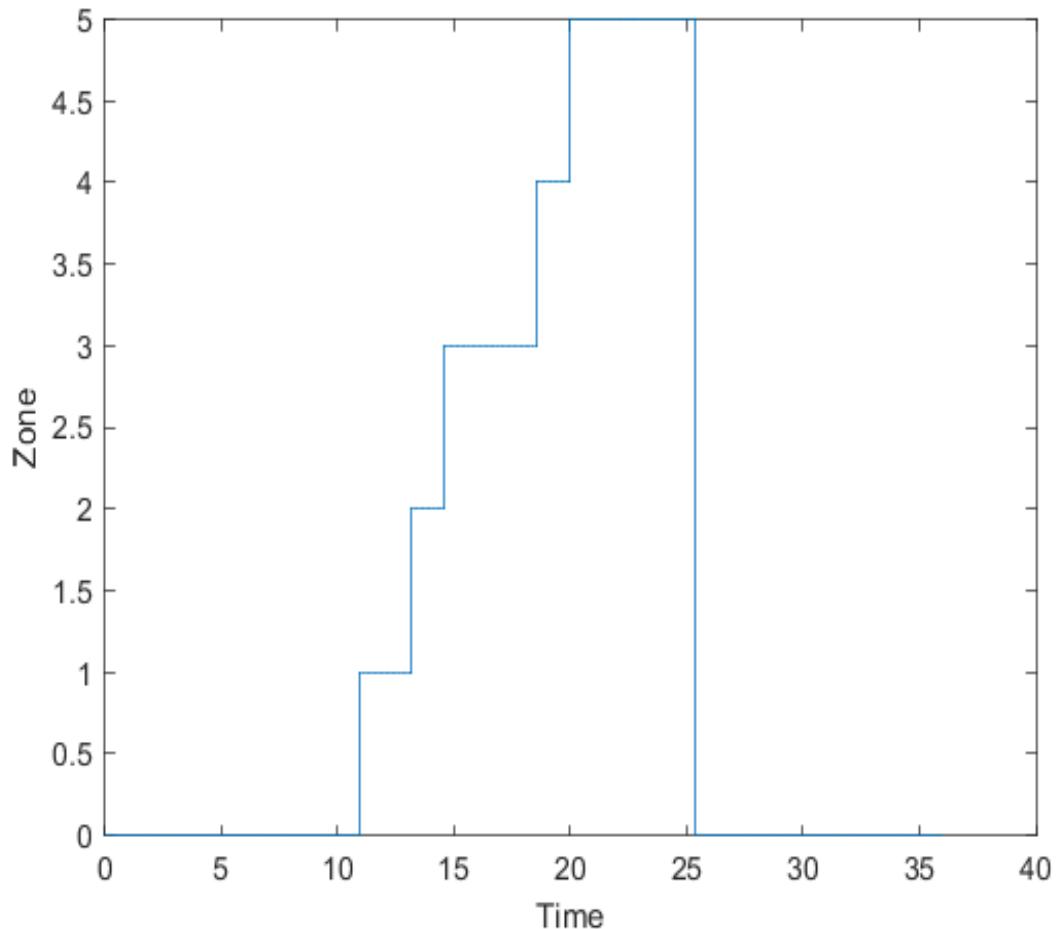
Start Time: 0  
Stop Time: 36  
Checksum: 554897310 492176260 791034472 2655960625

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

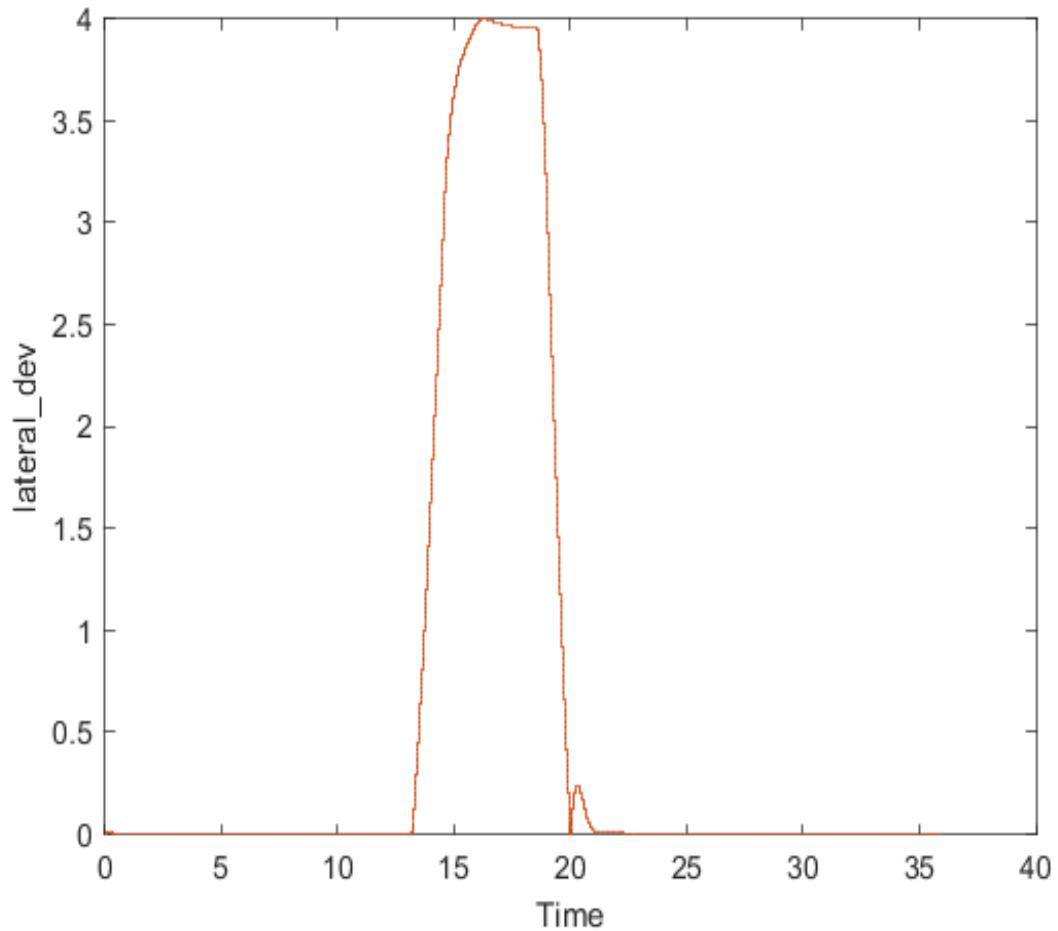
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -110° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:39:04  
End Time: 19-May-2021 21:39:10  
Outcome: Passed

## Test Case Information

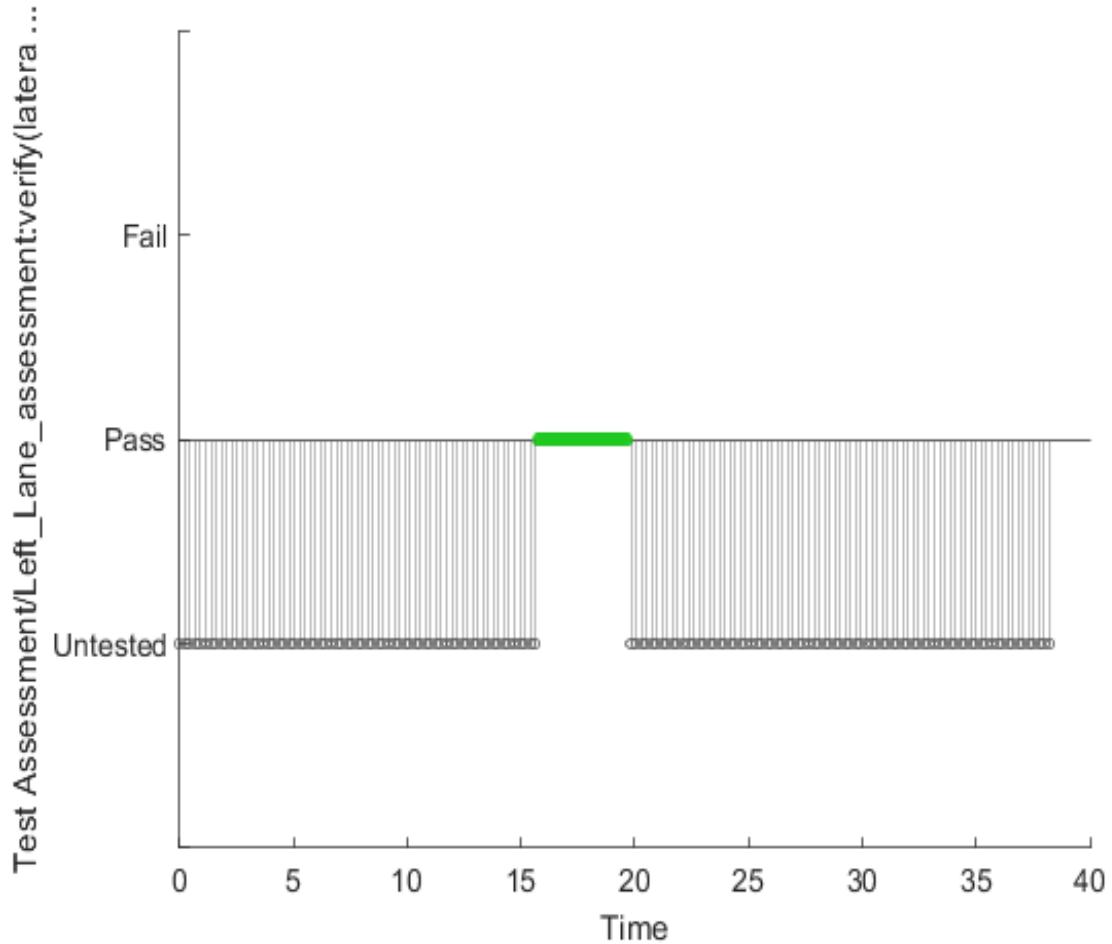
Name: -110° 100km/h  
Type: Simulation Test

## Verify Result

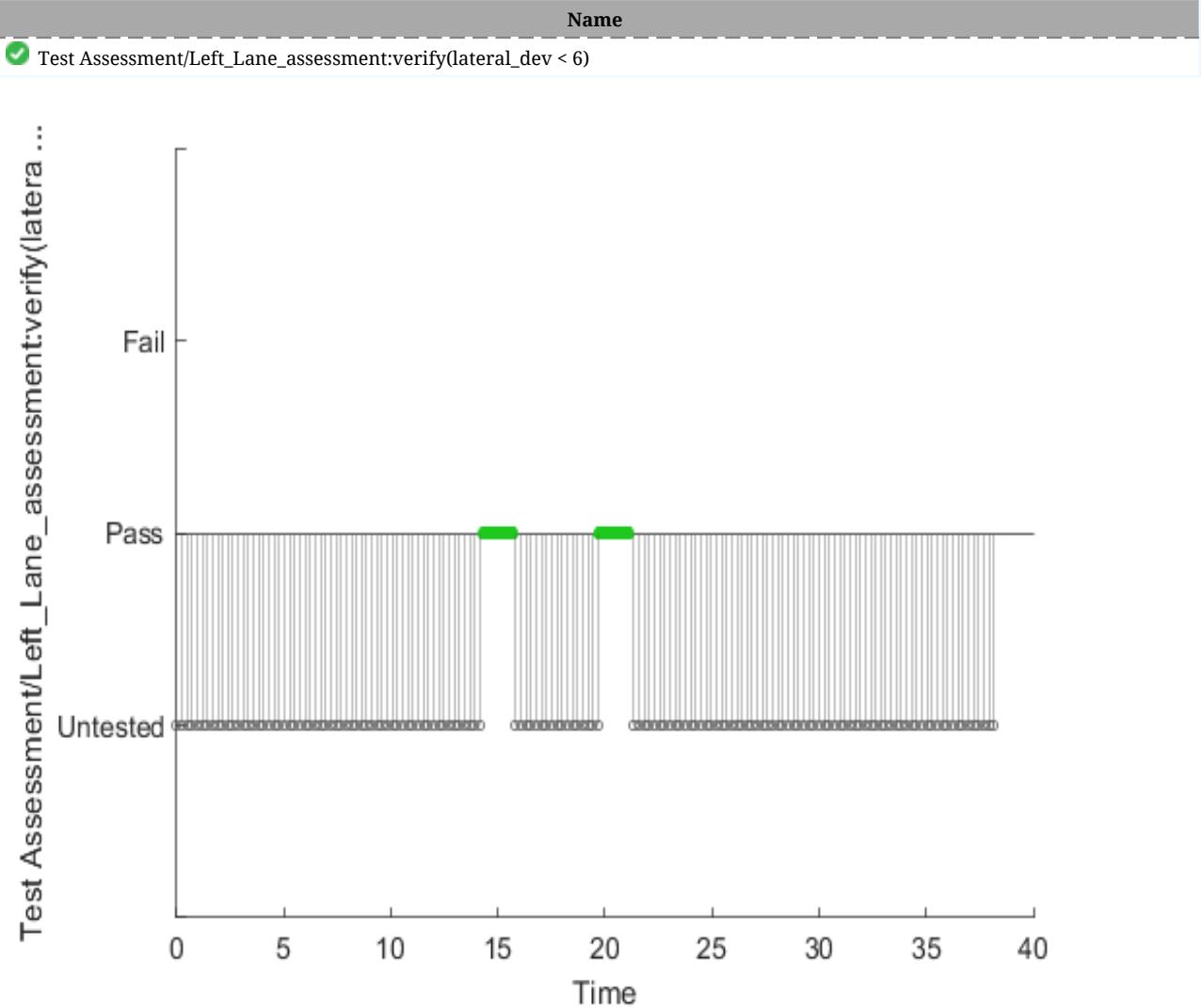
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



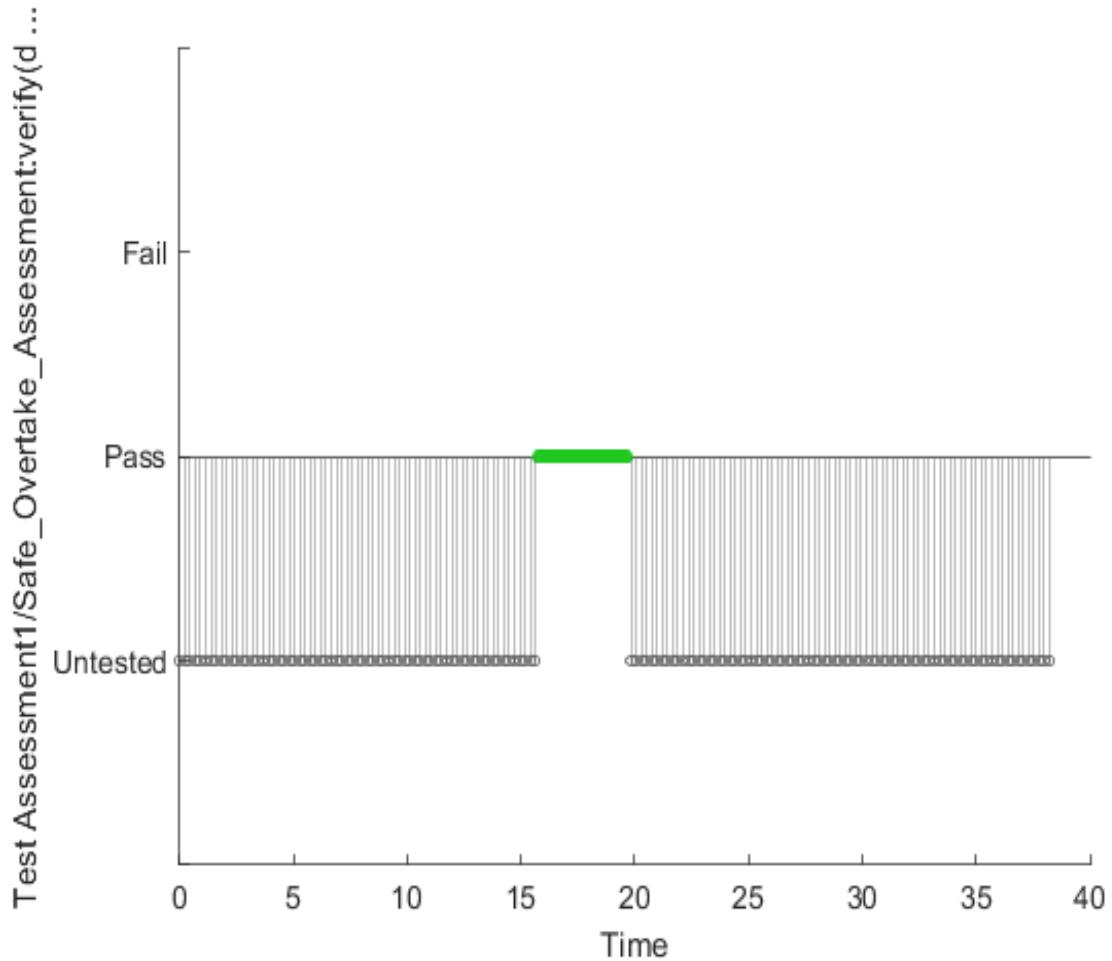
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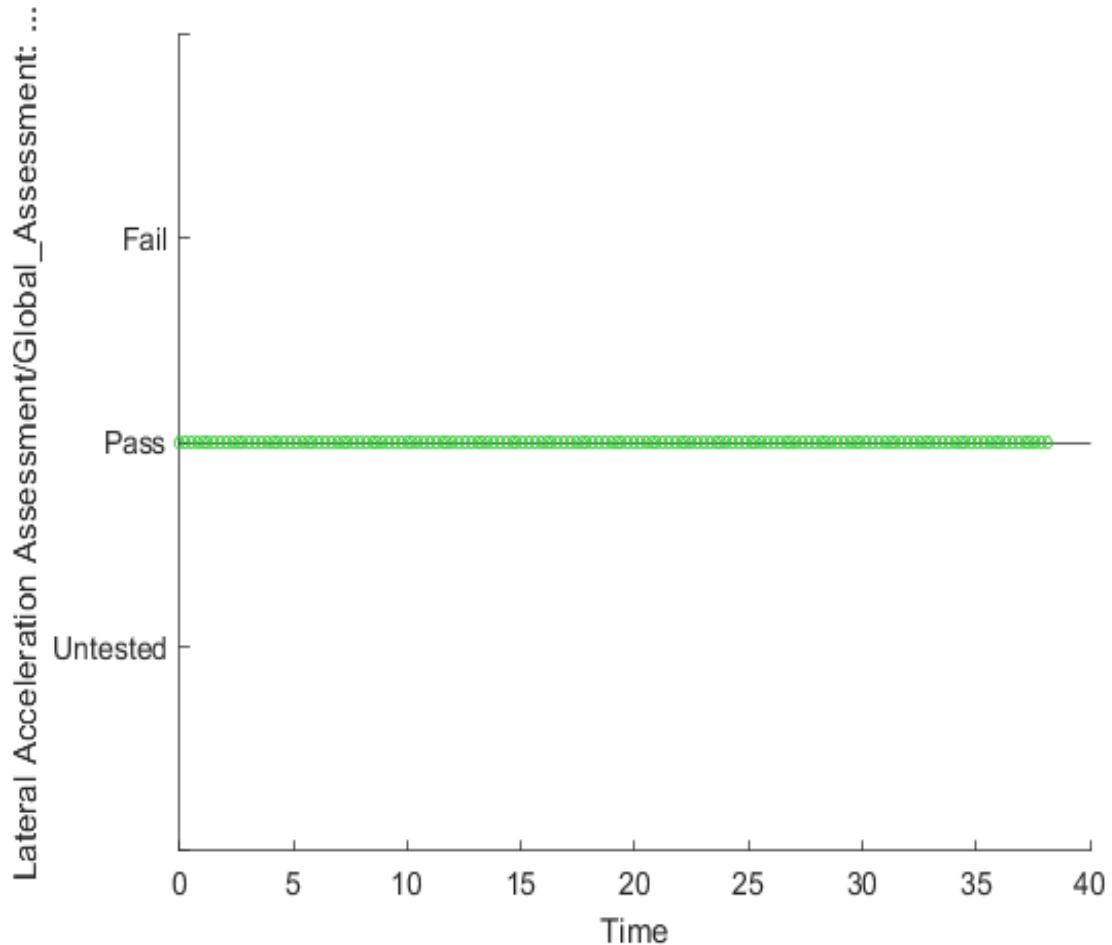
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

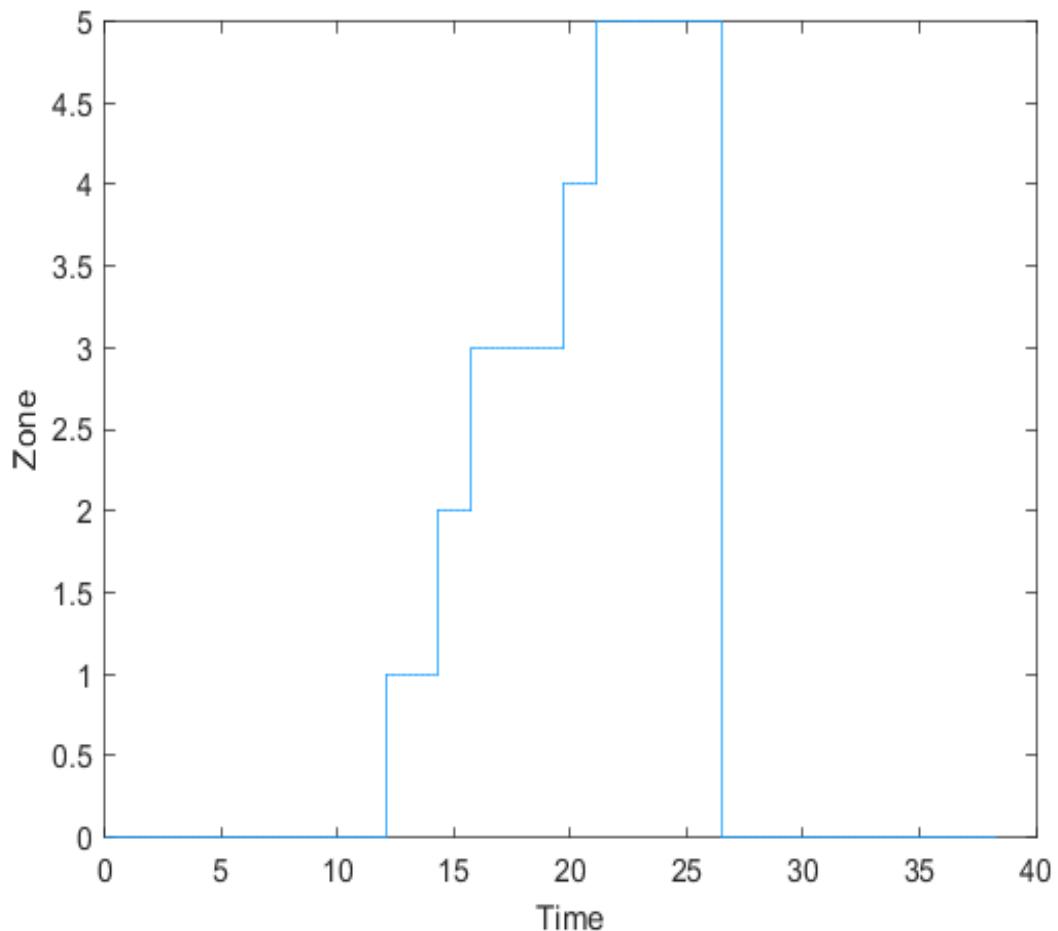
Start Time: 0  
Stop Time: 38.310766319665291  
Checksum: 2087382813 1804674372 2917305192 1530837885

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

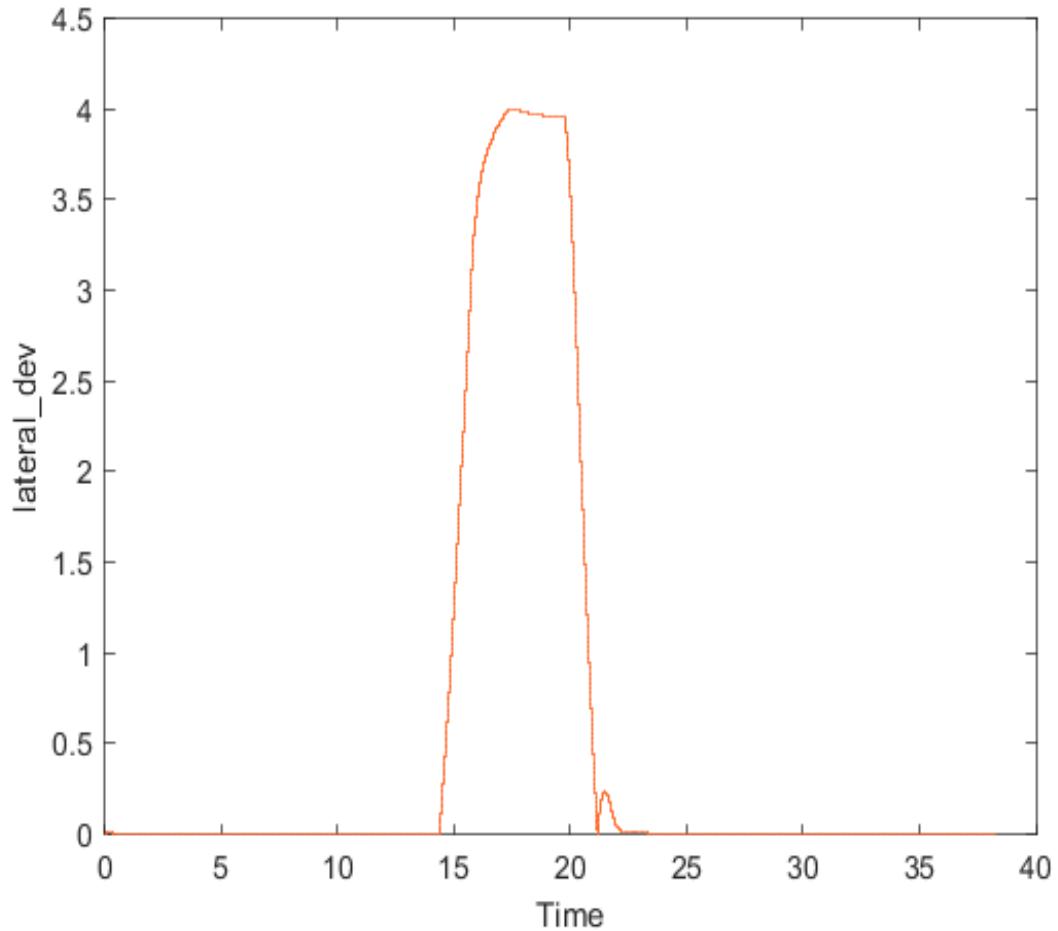
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -135° 100km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:39:10  
End Time: 19-May-2021 21:39:15  
Outcome: Passed

## Test Case Information

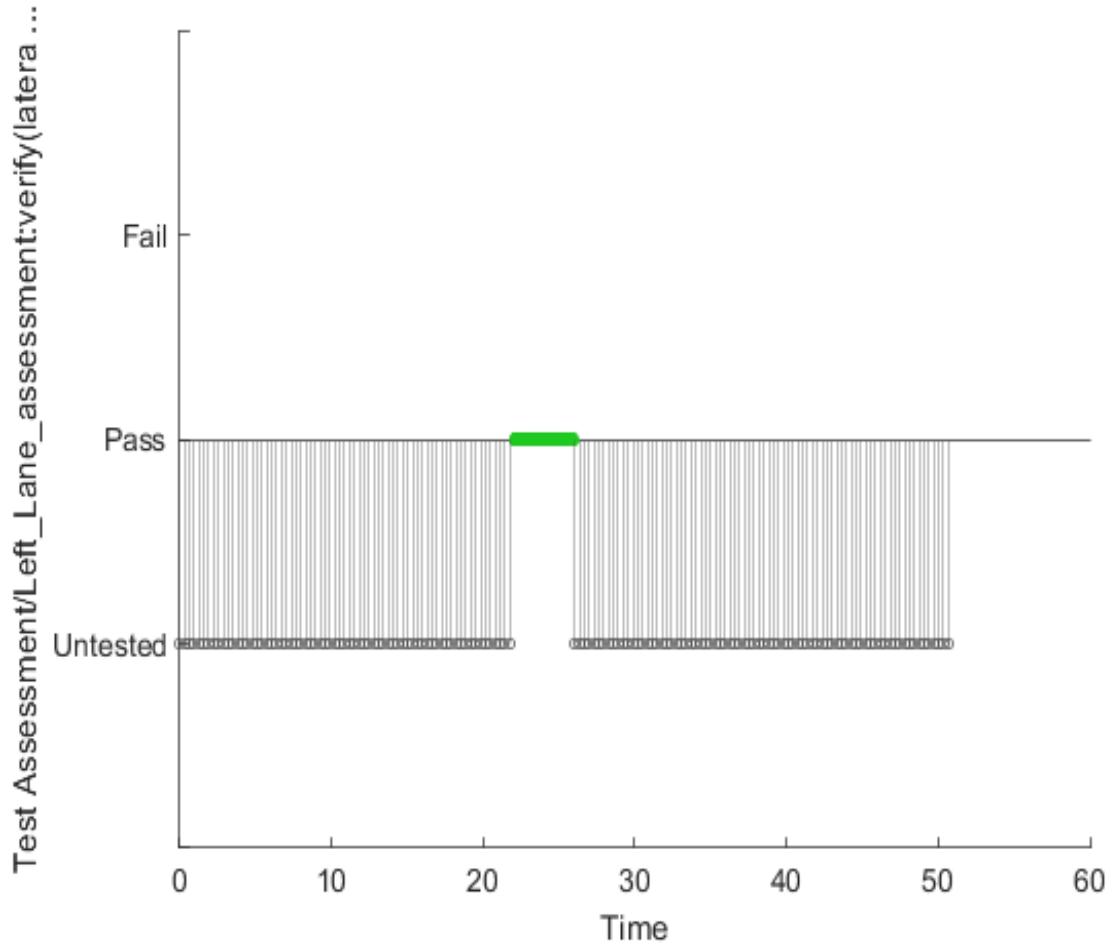
Name: -135° 100km/h  
Type: Simulation Test

## Verify Result

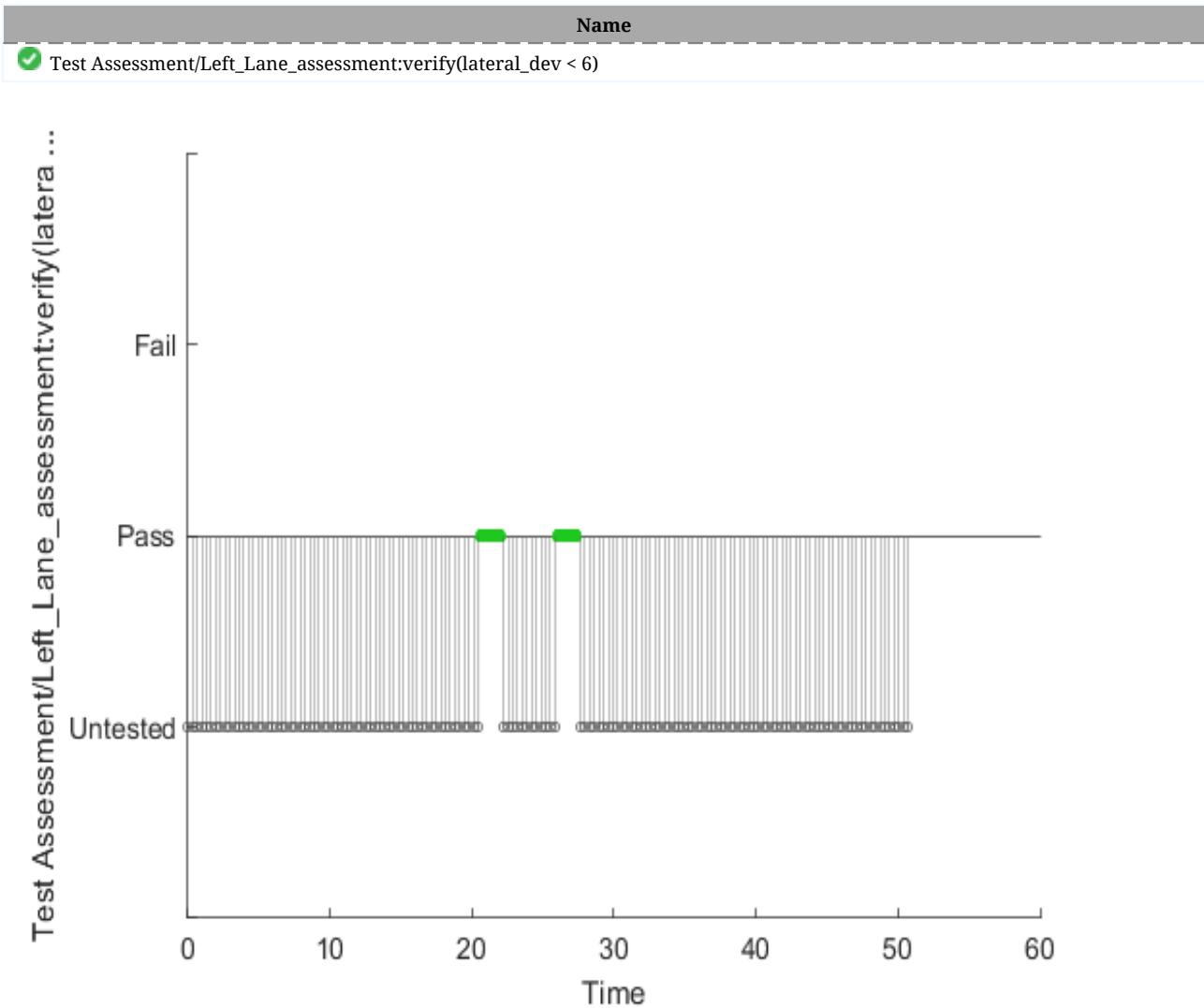
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



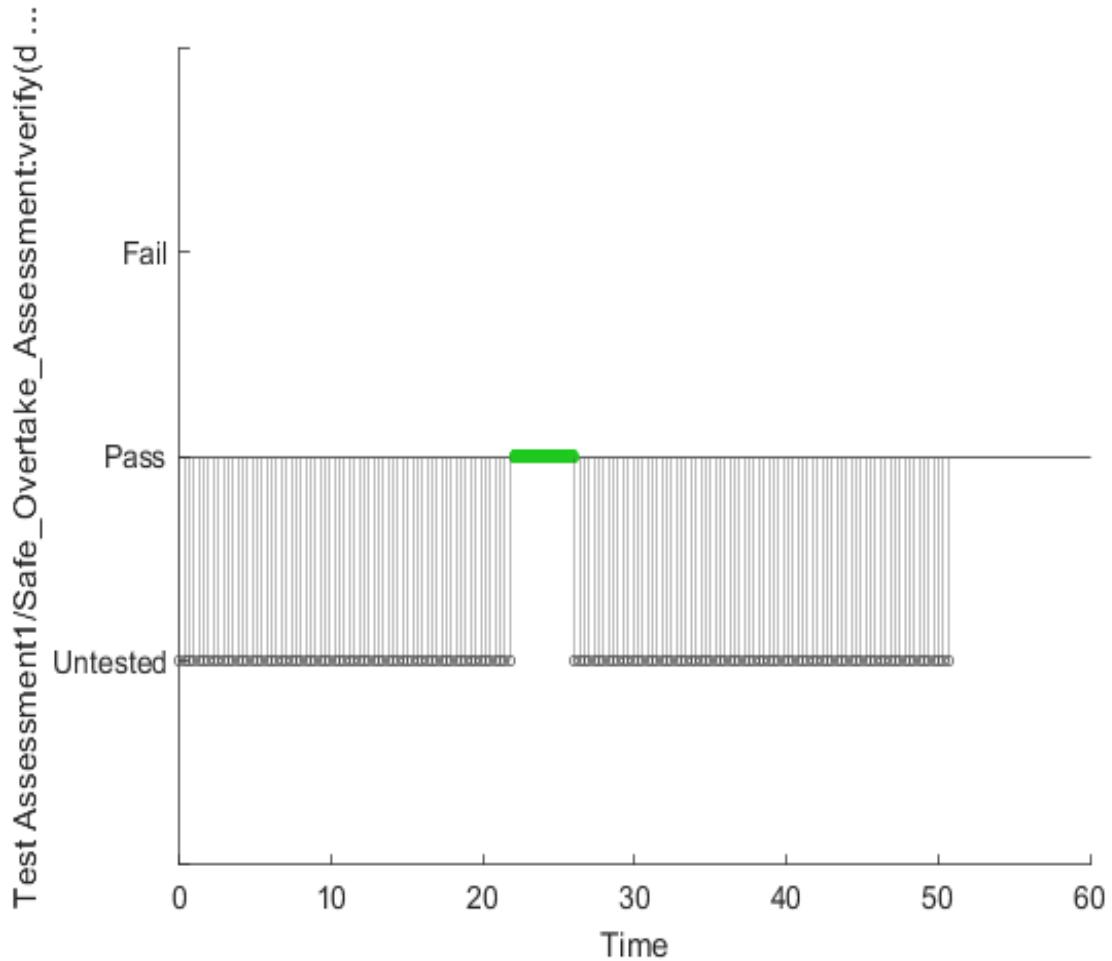
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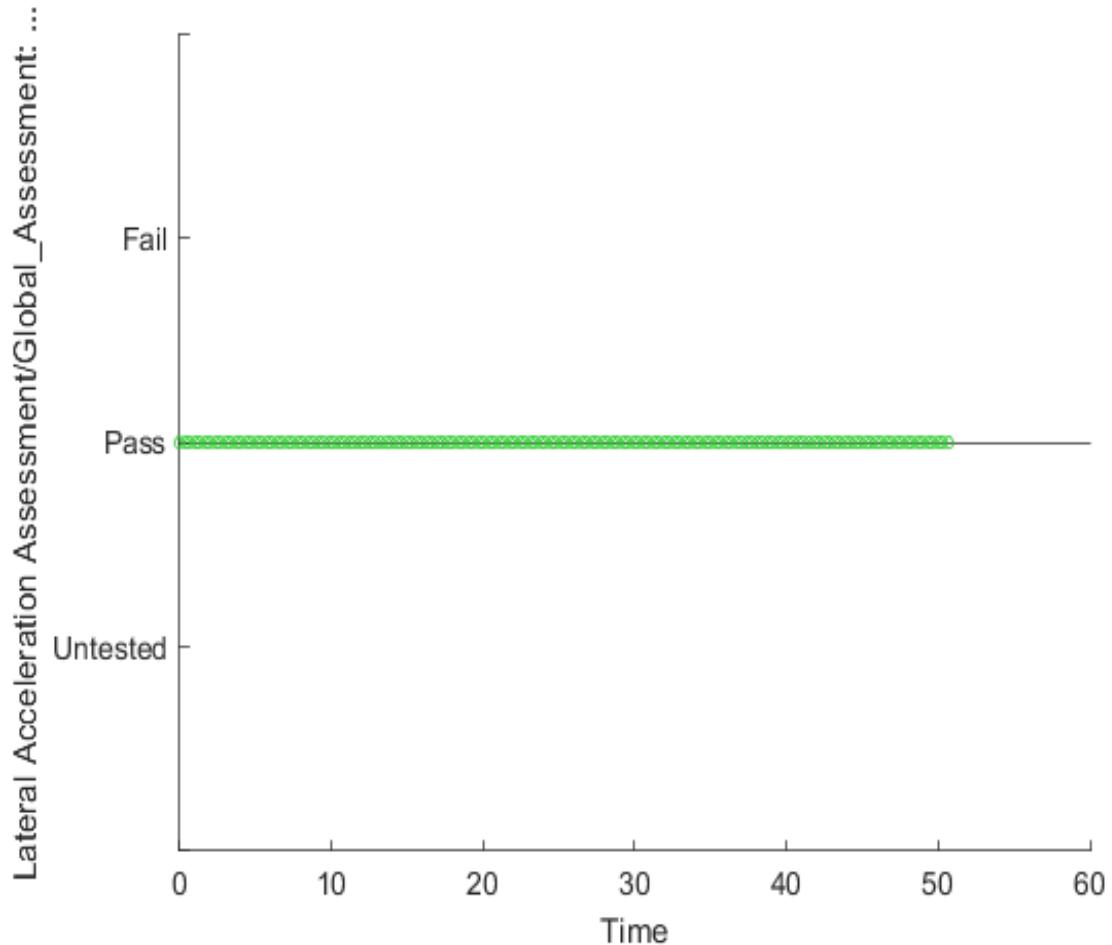
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

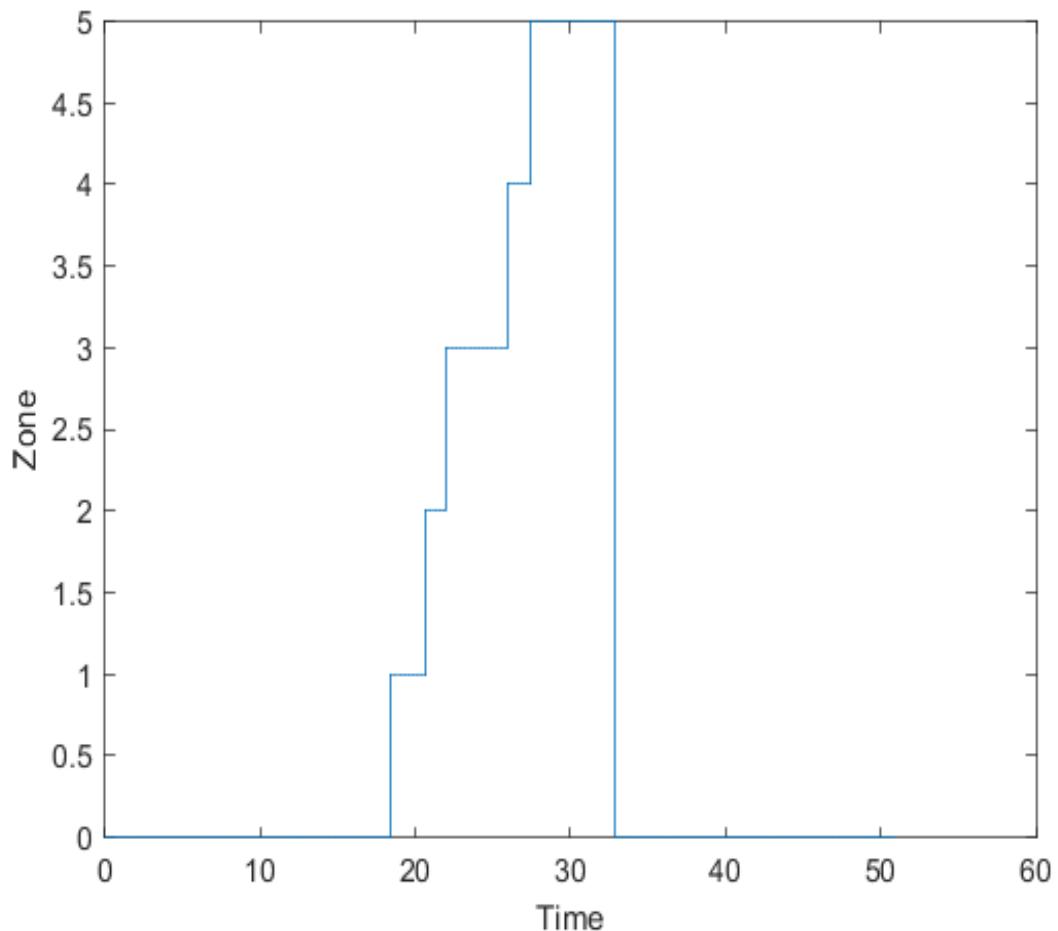
### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

Start Time: 0  
Stop Time: 50.911688245431421  
Checksum: 2114219161 1707747788 3261604909 1194515559

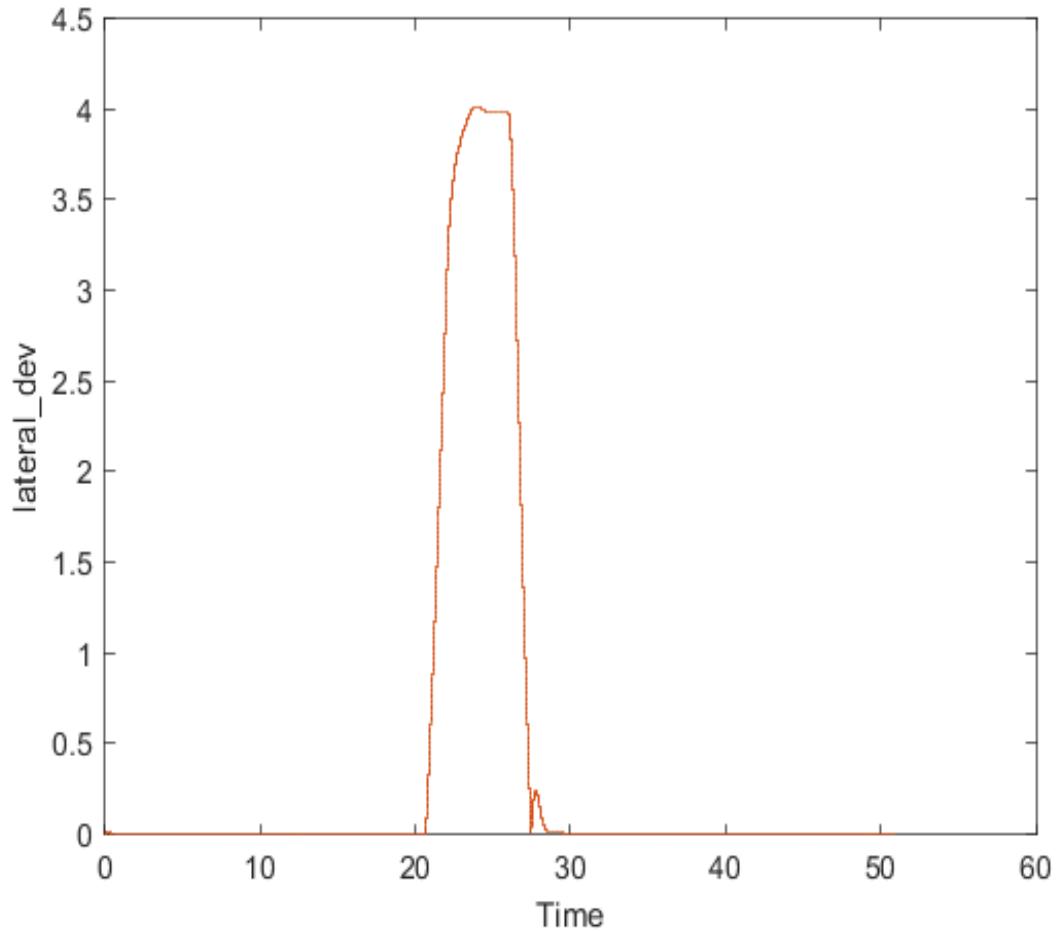
## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>
Name	Data Type	Units	Sample Time	Interp	Sync	
Zone	double		0.01	zoh	union	



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



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## -160° 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_100km/h](#)

Start Time: 19-May-2021 21:39:15  
End Time: 19-May-2021 21:39:24  
Outcome: Passed

## Test Case Information

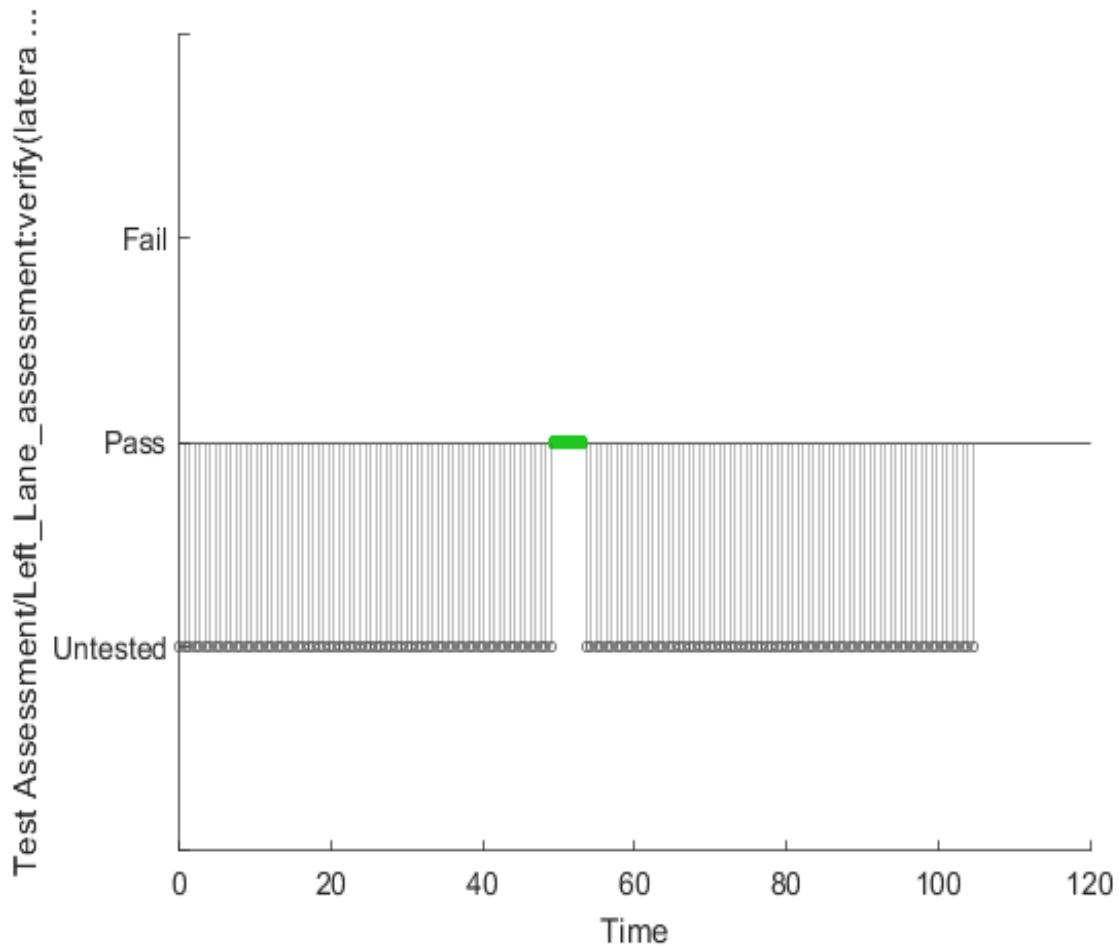
Name: -160° 100km/h  
Type: Simulation Test

## Verify Result

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

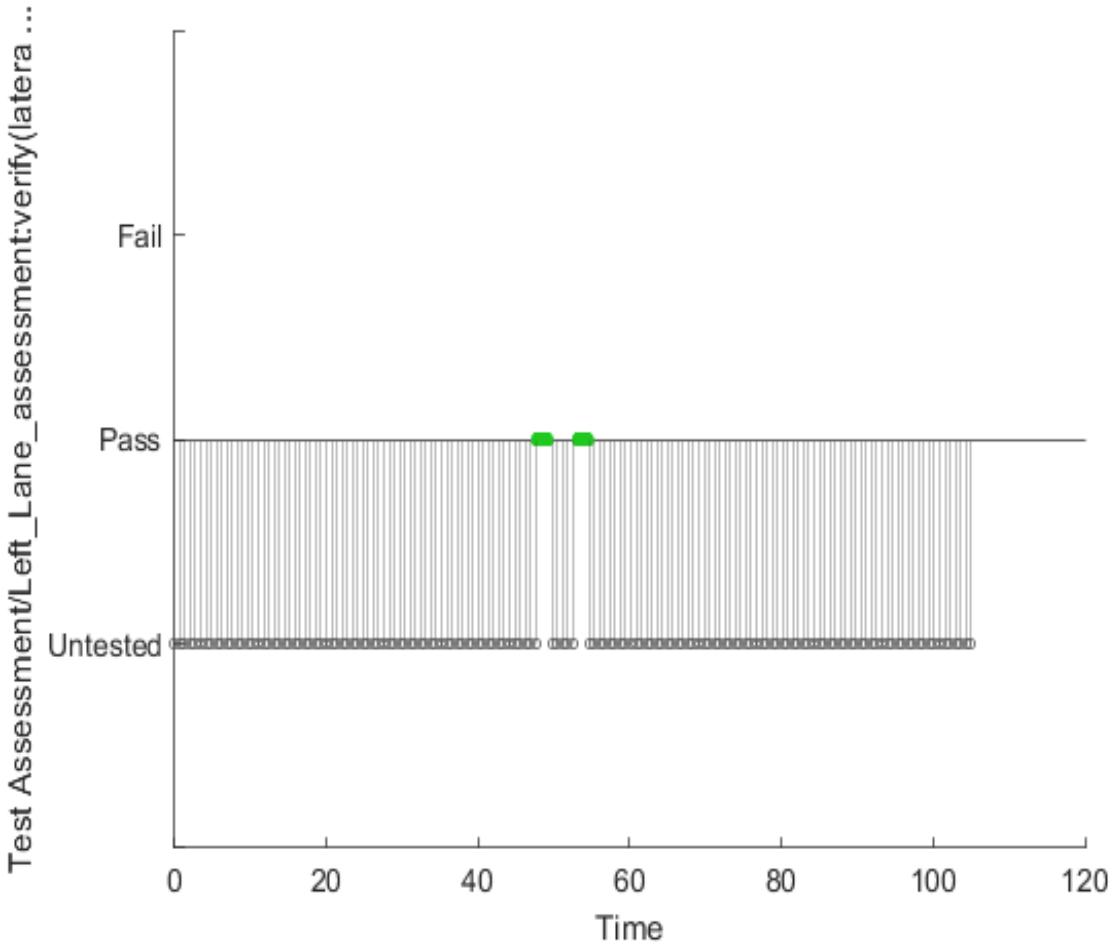
### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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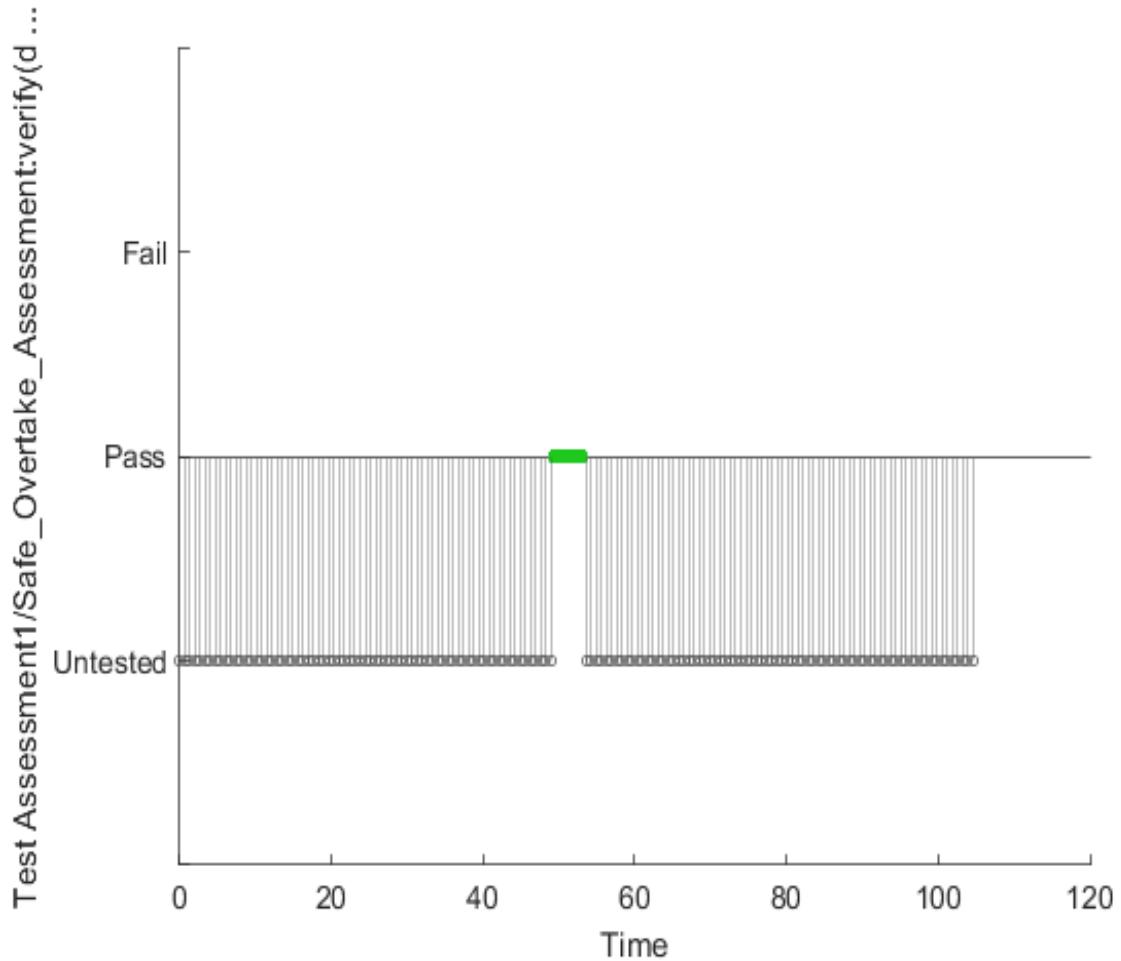
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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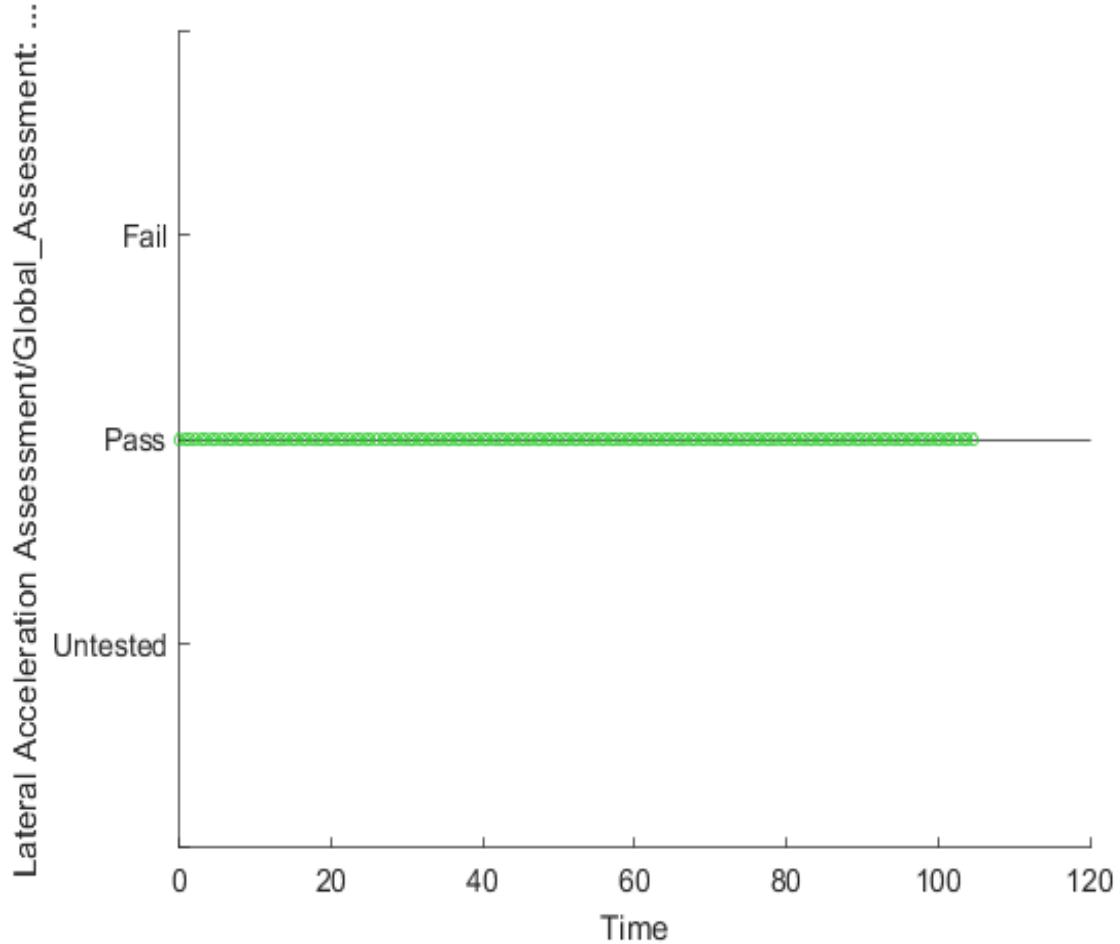
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

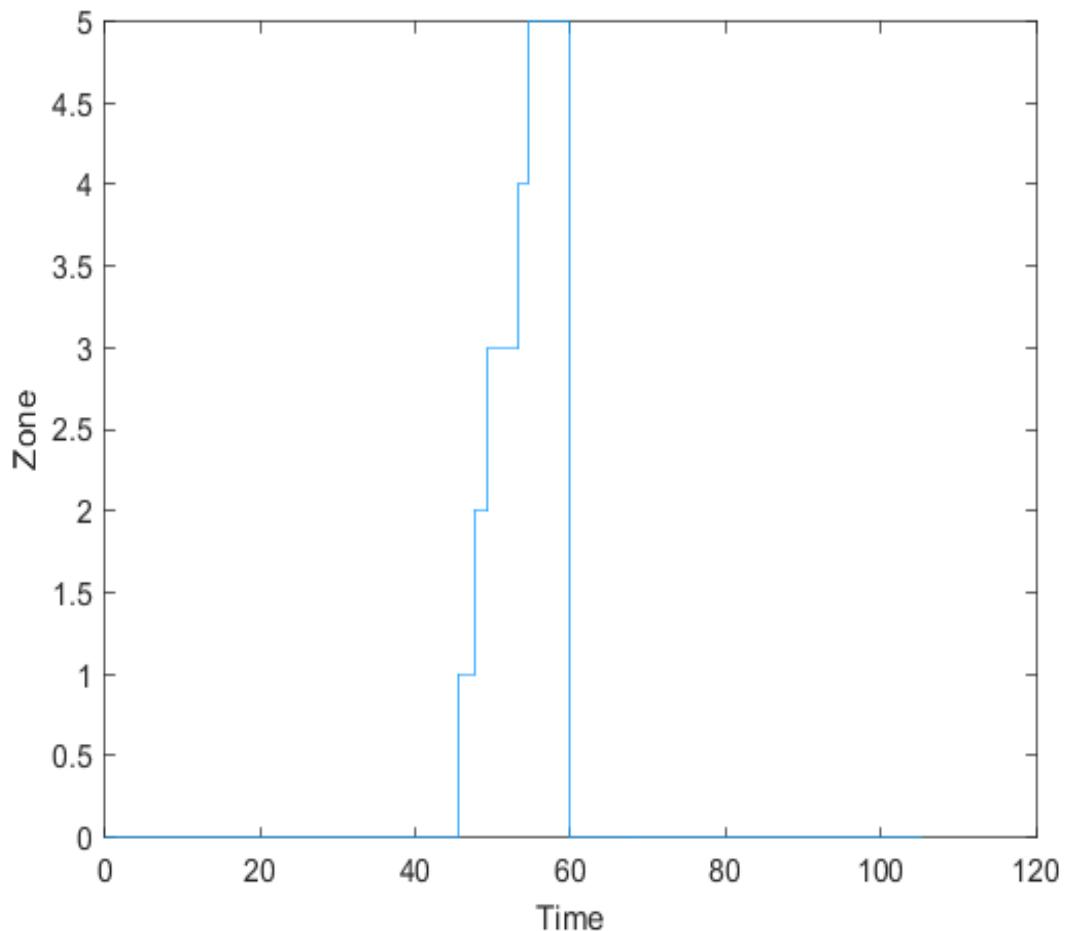
Start Time: 0  
Stop Time: 105.24080797865437  
Checksum: 1807712458 3299865283 3576710018 3019282040

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

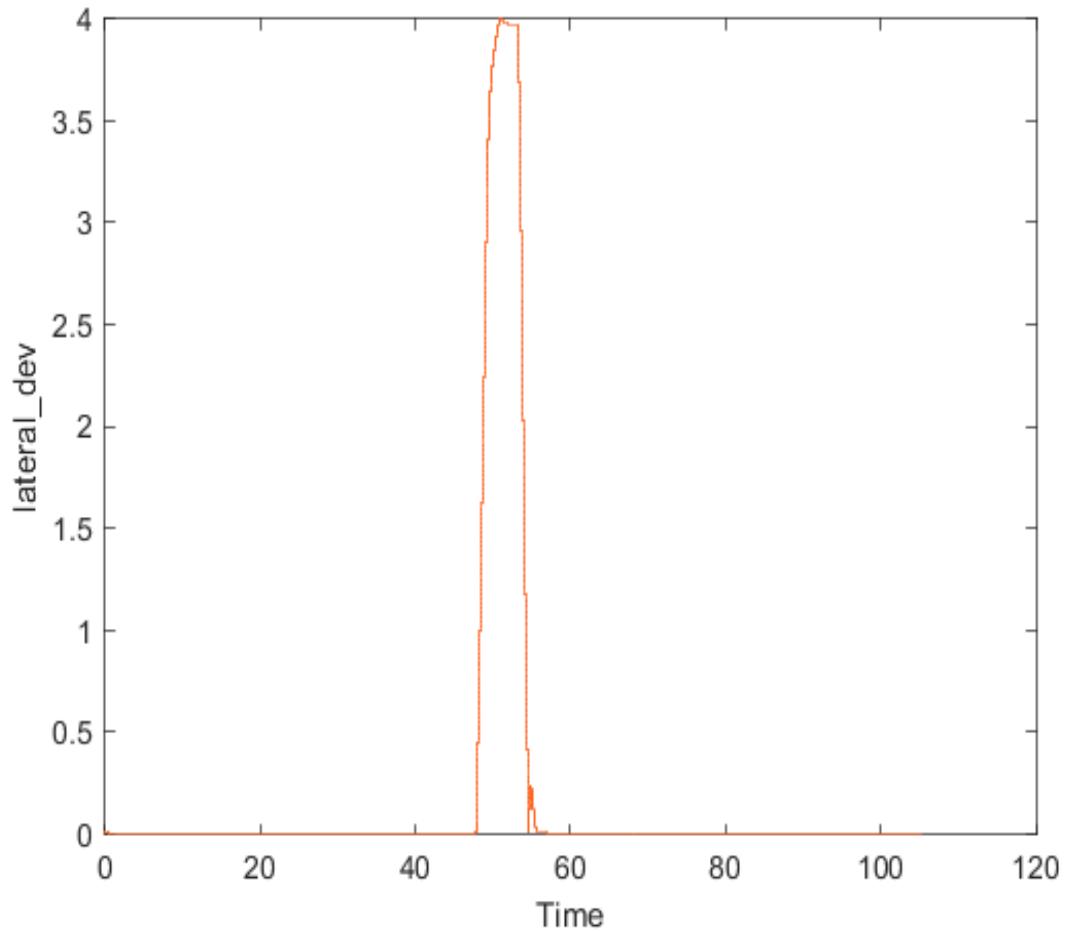
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature clockwise 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 100km/h](#)

Start Time: 19-May-2021 21:39:24  
End Time: 19-May-2021 21:39:52  
Outcome: Passed

## Test Case Information

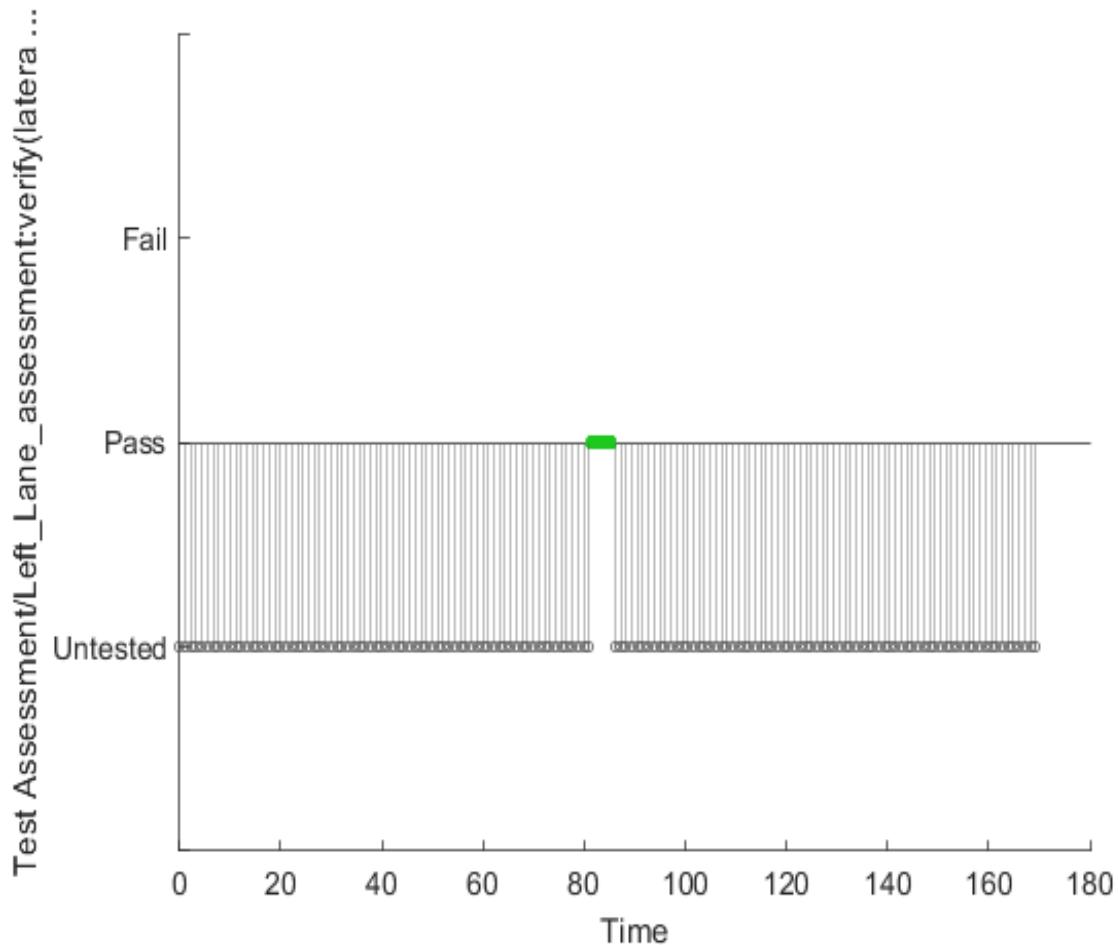
Name: 1000m curvature clockwise 100km/h  
Type: Simulation Test

## Verify Result

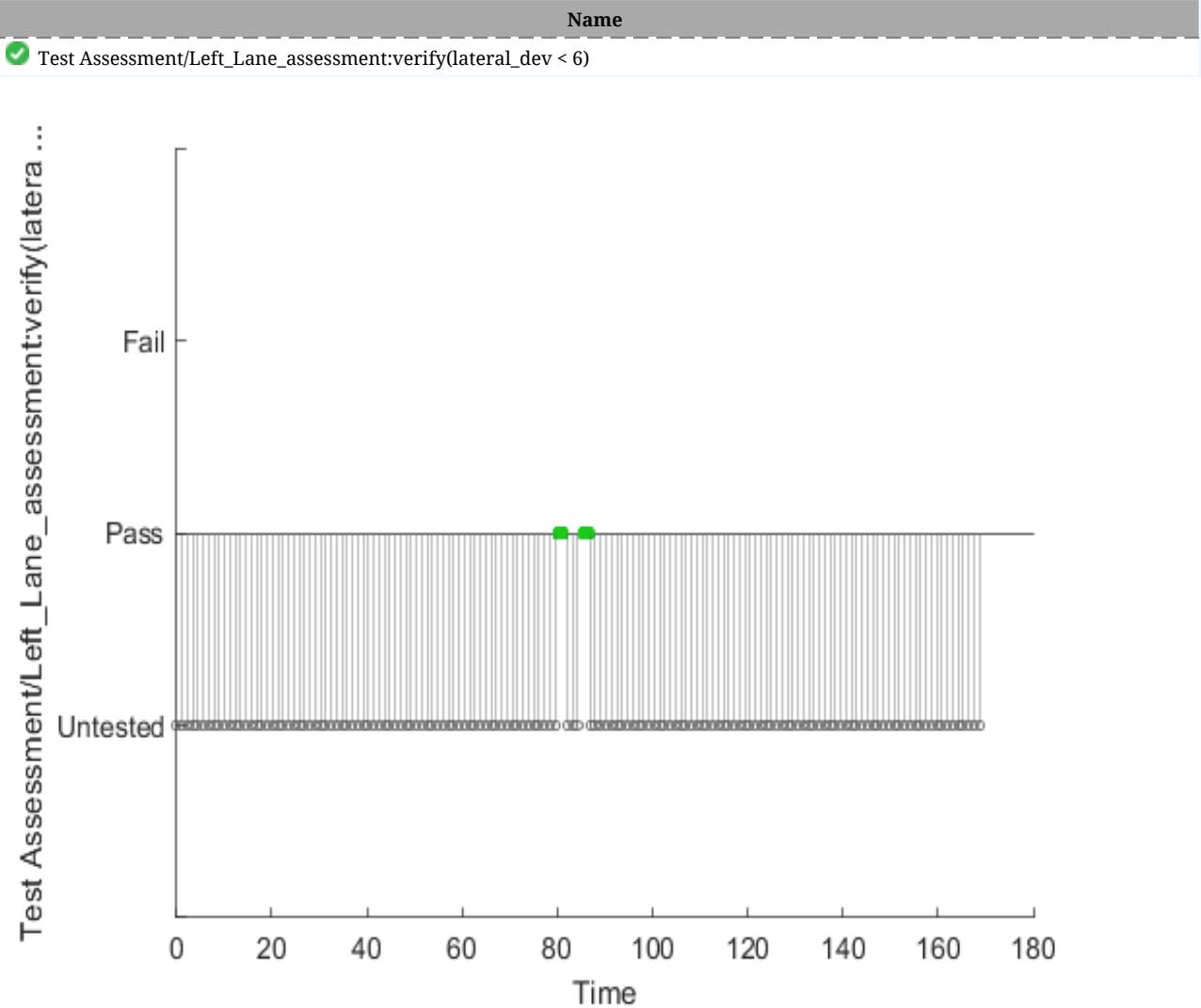
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



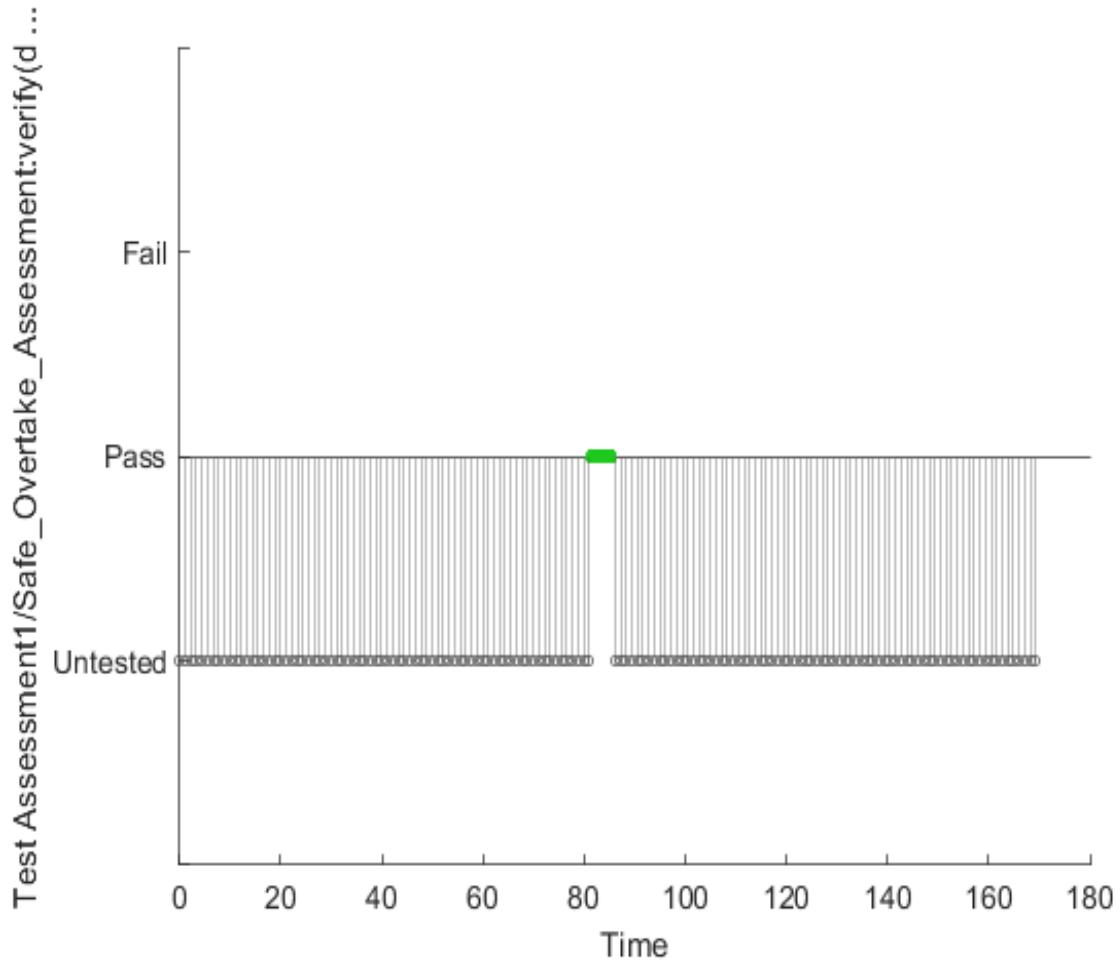
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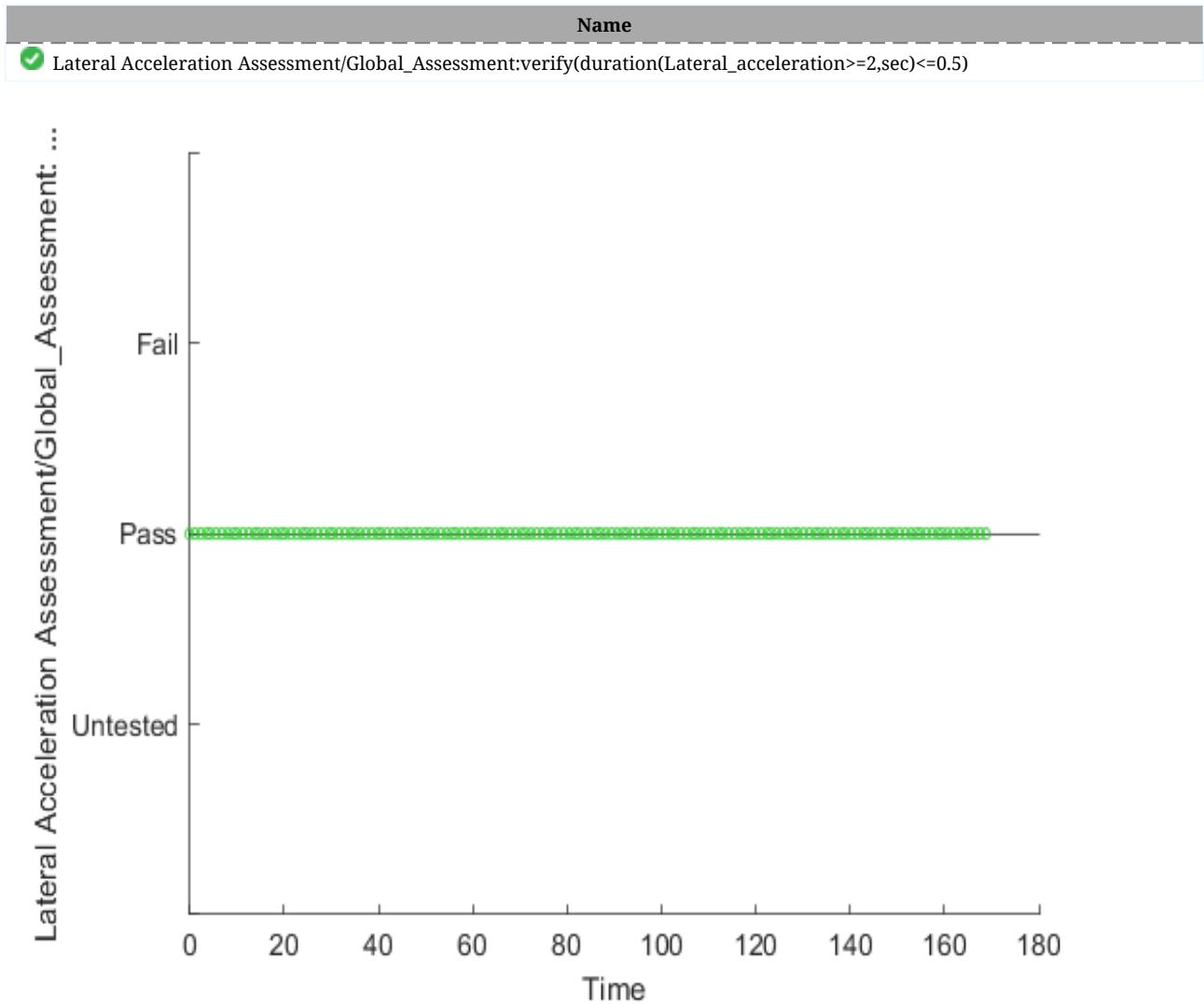
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

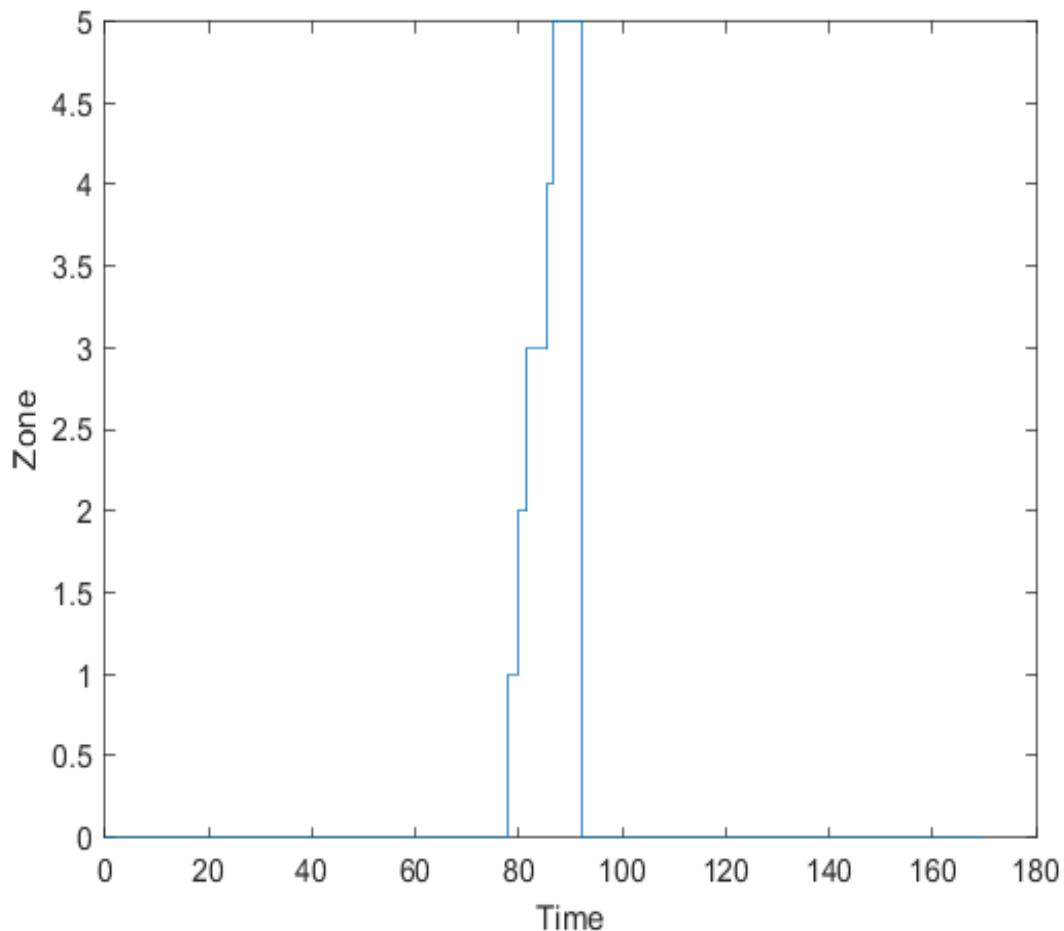
Start Time: 0  
Stop Time: 169.650000000000313  
Checksum: 148901719 4283494041 2849782483 8574799

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

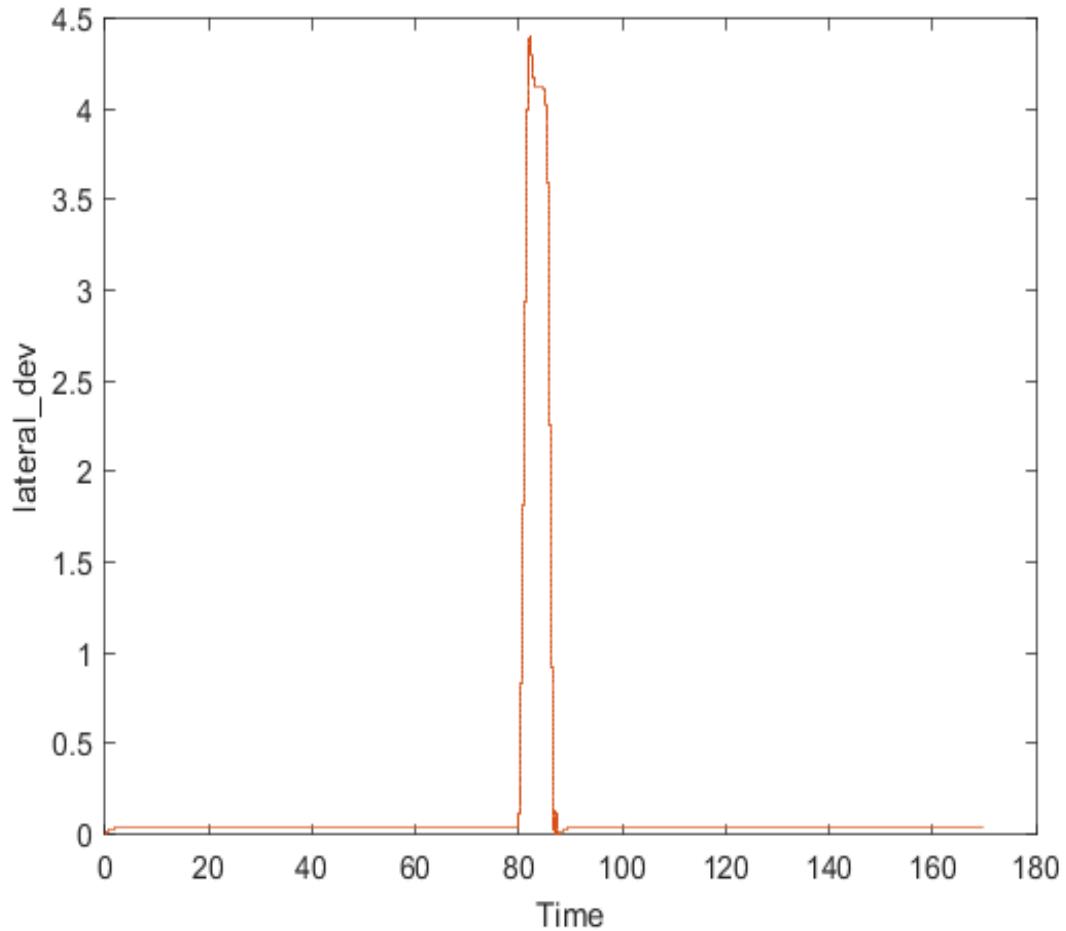
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature clockwise 100km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 100km/h](#)

Start Time: 19-May-2021 21:39:52  
End Time: 19-May-2021 21:40:03  
Outcome: Passed

## Test Case Information

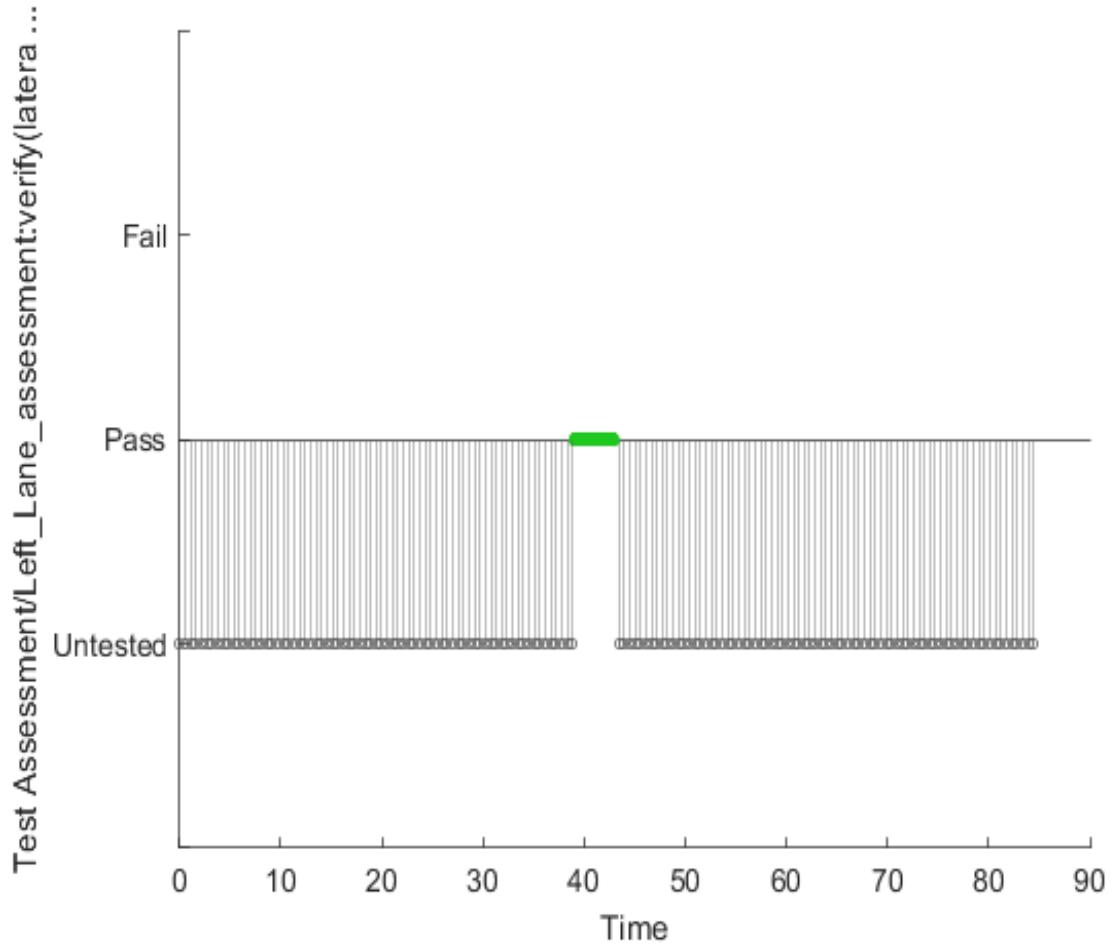
Name: 500m curvature clockwise 100km/h  
Type: Simulation Test

## Verify Result

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

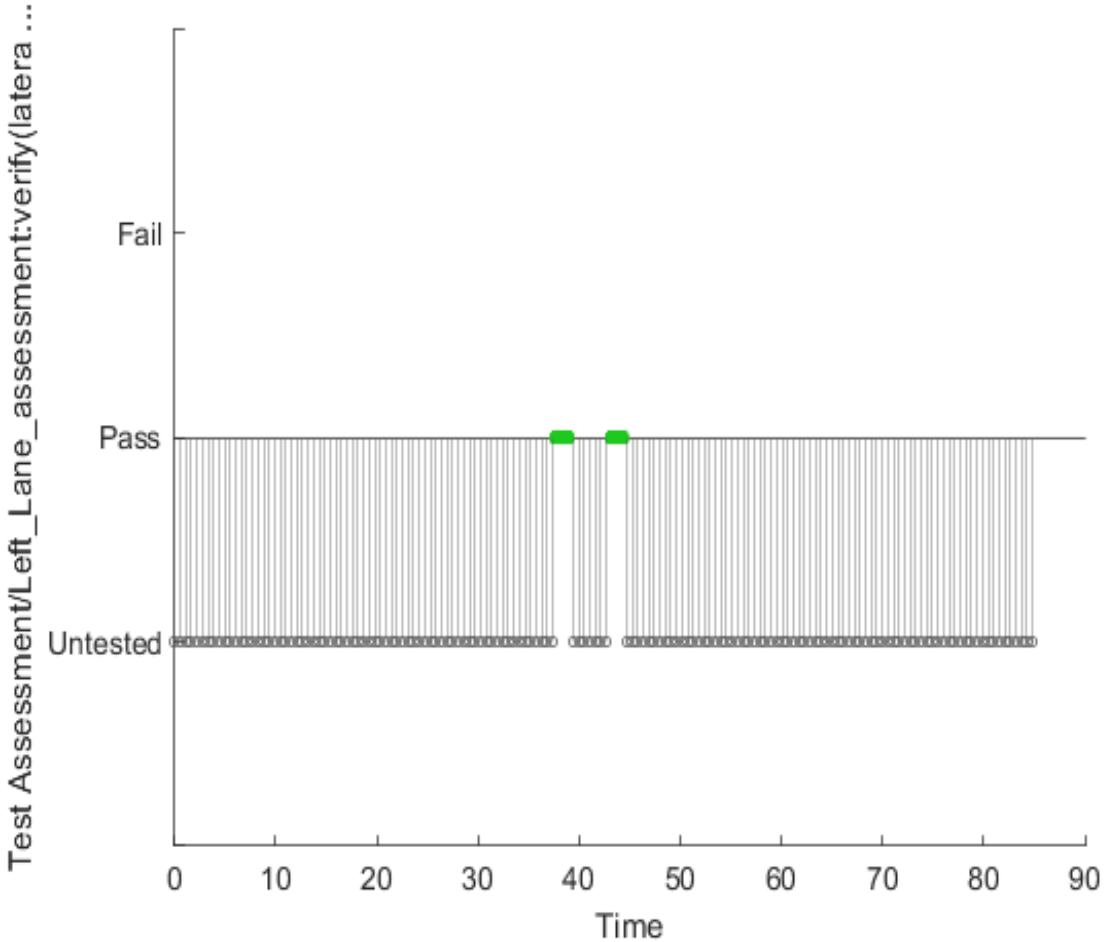
### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)

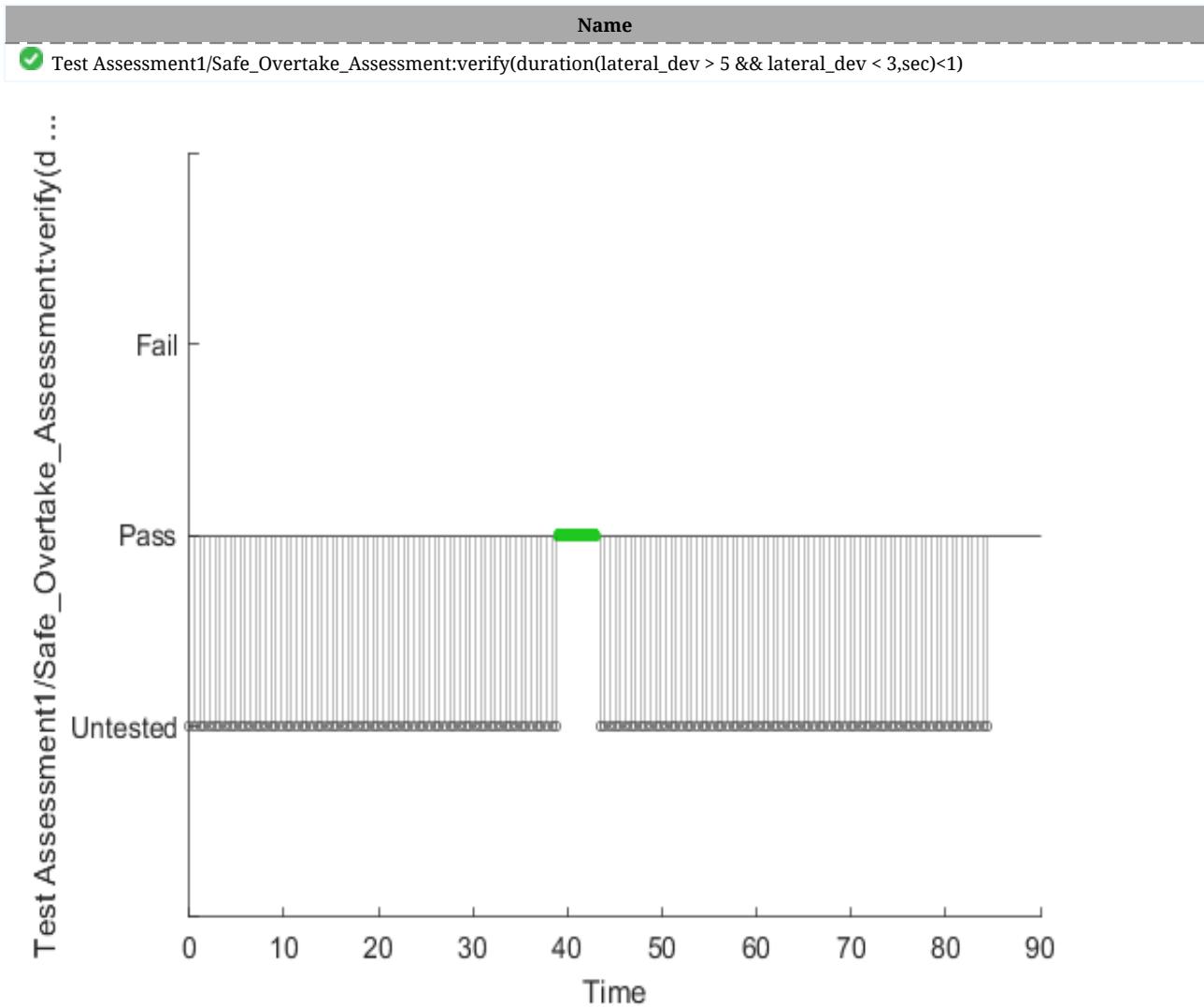


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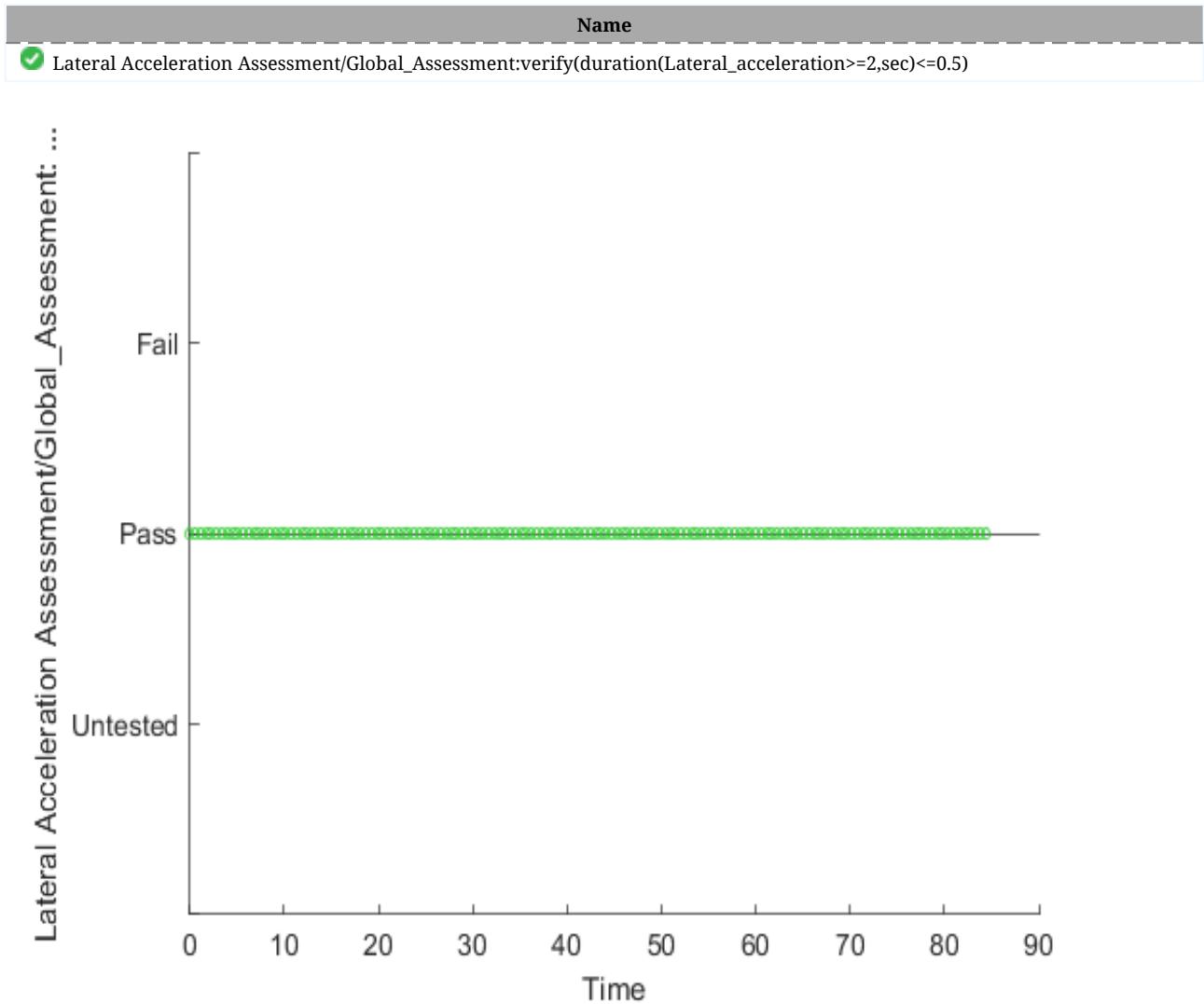
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

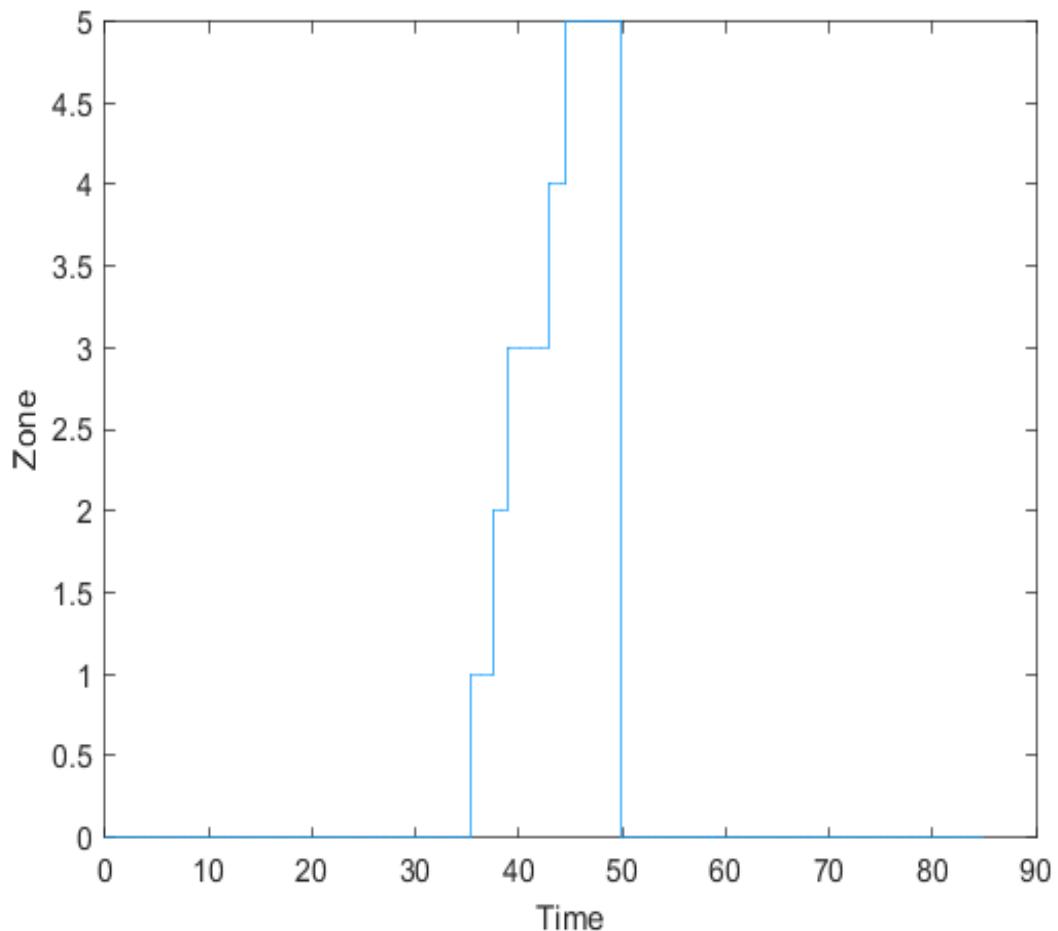
Start Time: 0  
Stop Time: 84.830000000008852  
Checksum: 465737048 3648550986 184001302 573160431

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

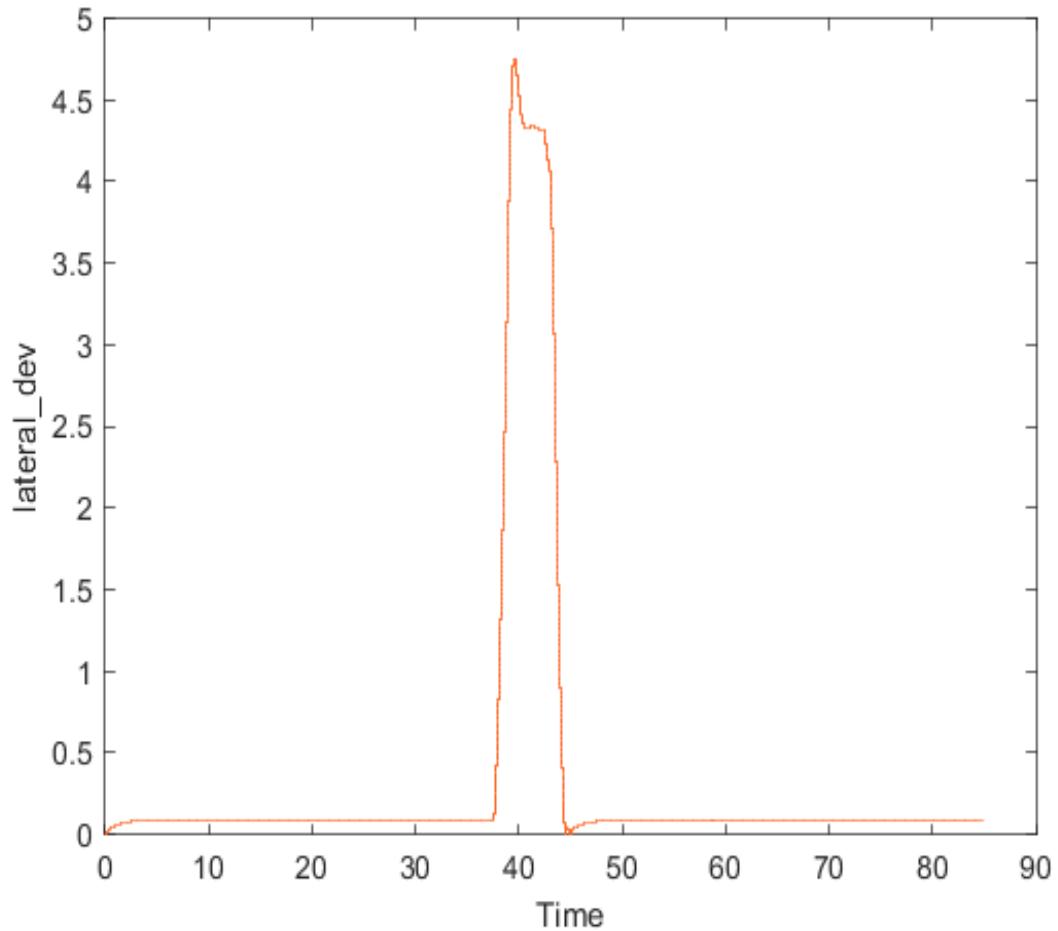
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature clockwise 100km/h

### Test Result Information

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

Start Time: 19-May-2021 21:40:03  
End Time: 19-May-2021 21:40:11  
Outcome: Passed

## Test Case Information

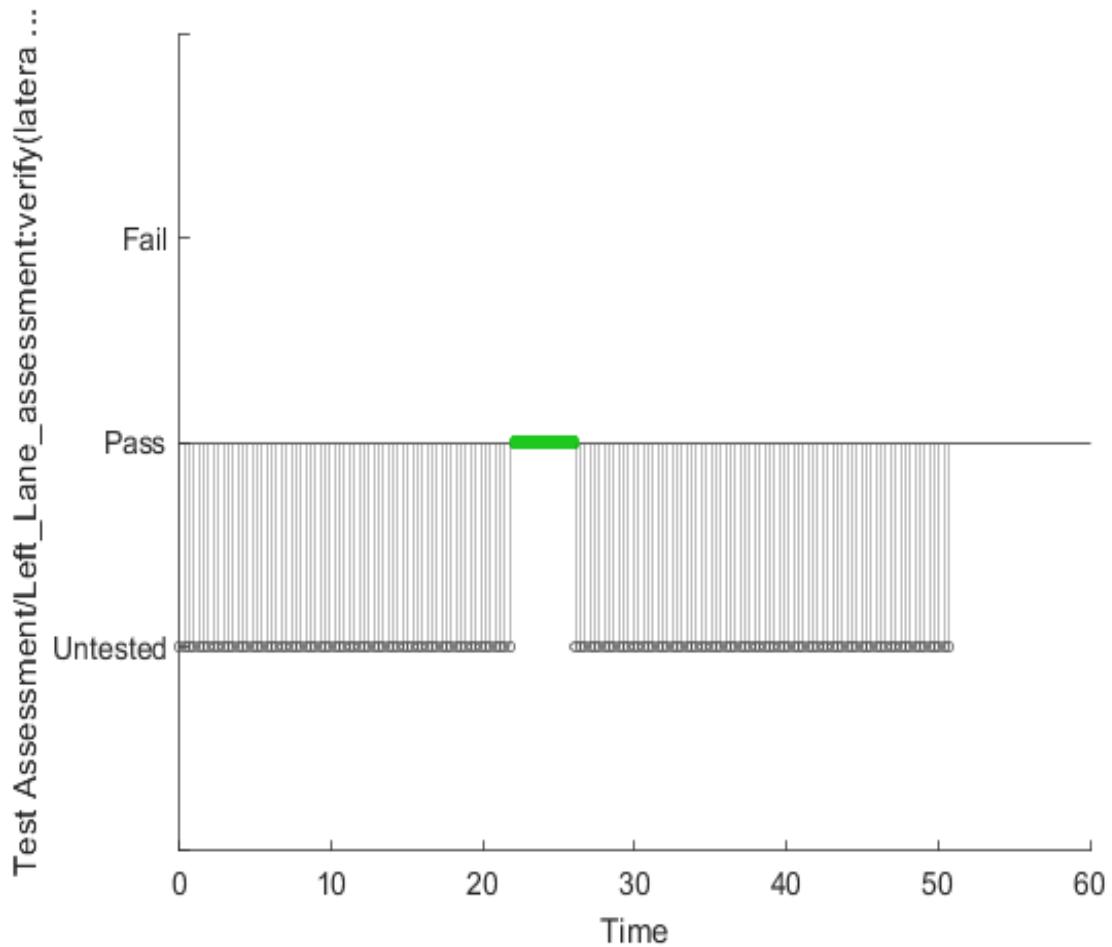
Name: 300m curvature clockwise 100km/h  
Type: Simulation Test

## Verify Result

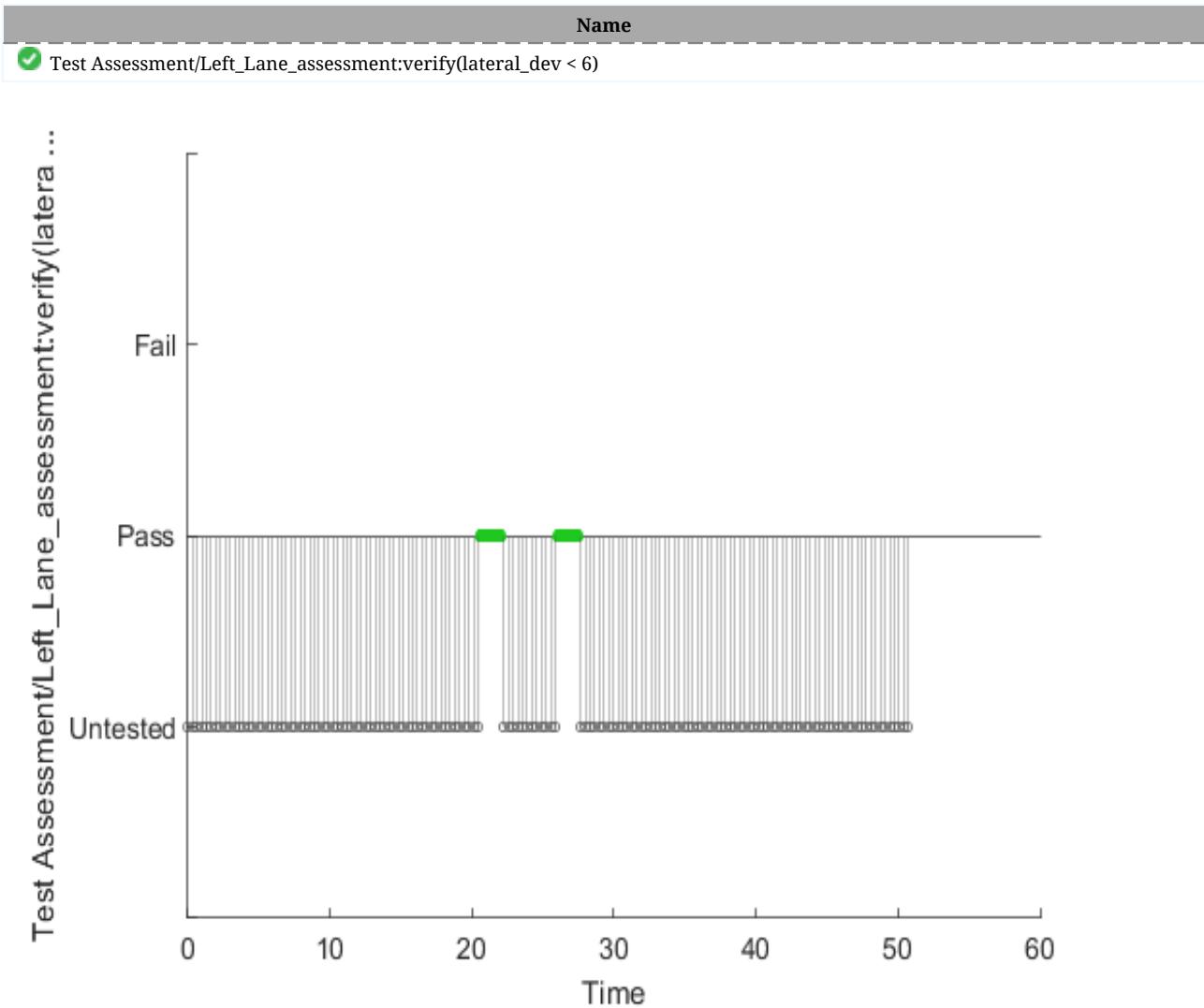
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



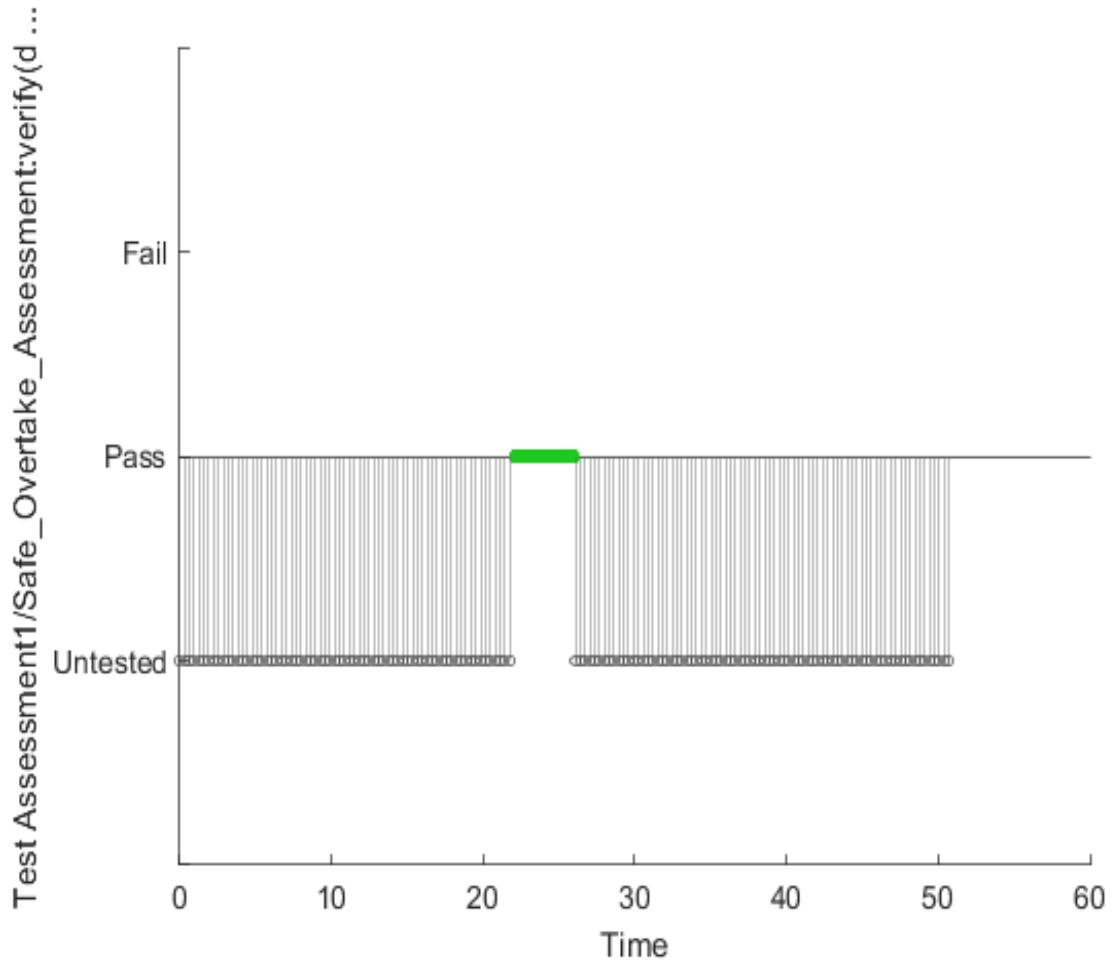
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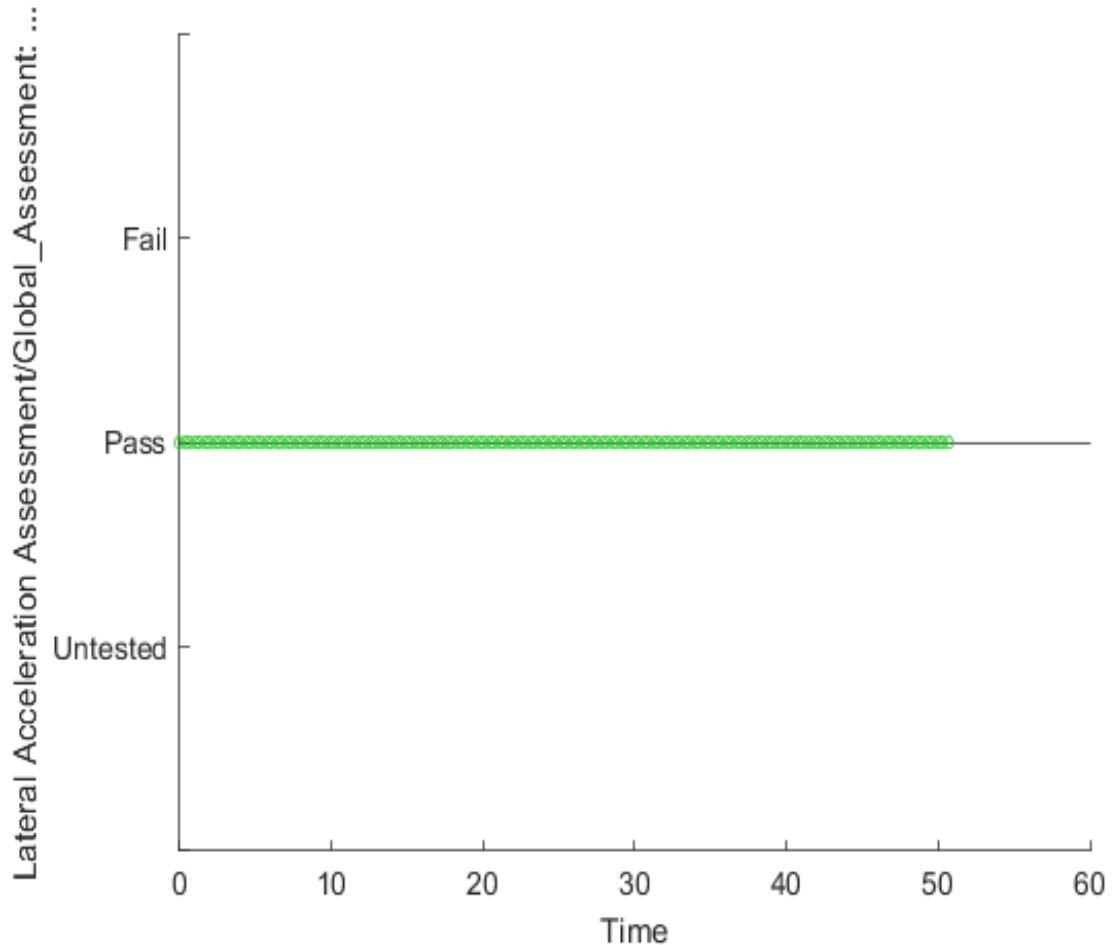
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

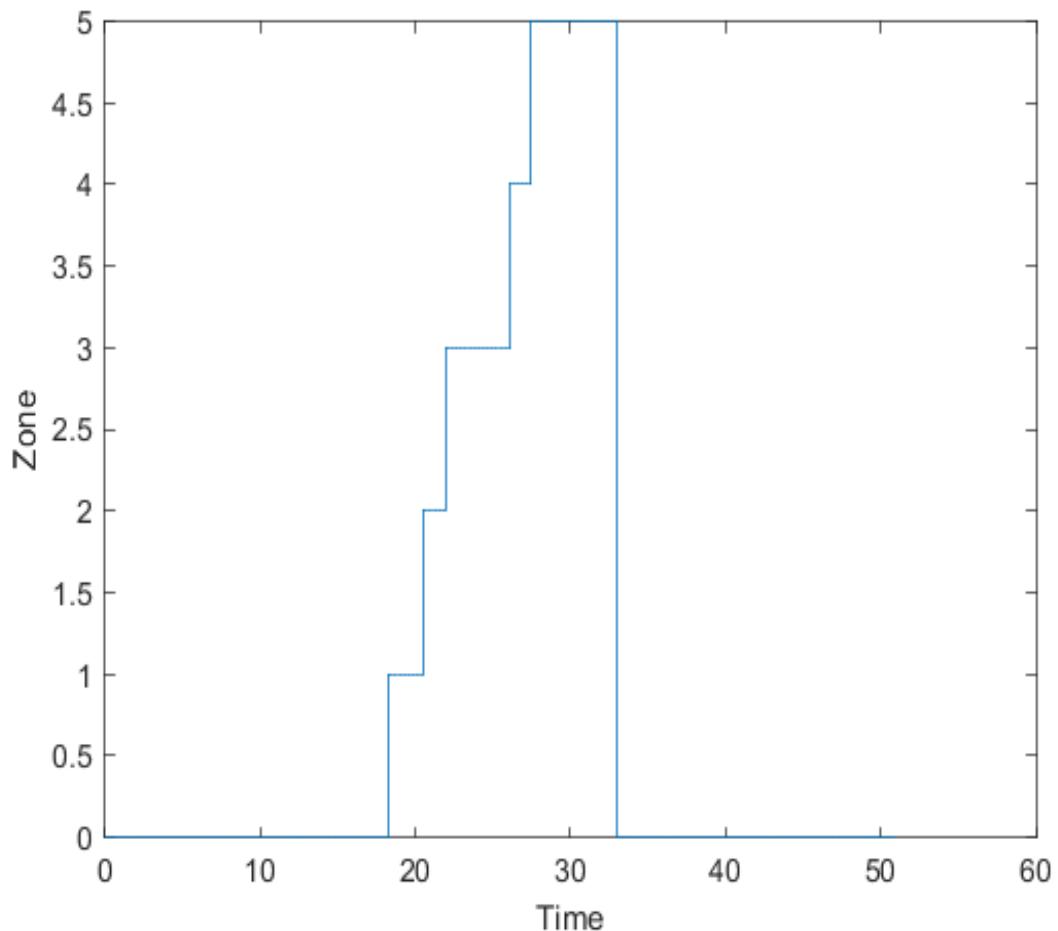
Start Time: 0  
Stop Time: 50.900000000000358  
Checksum: 1736435926 893189879 1920736634 409910492

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

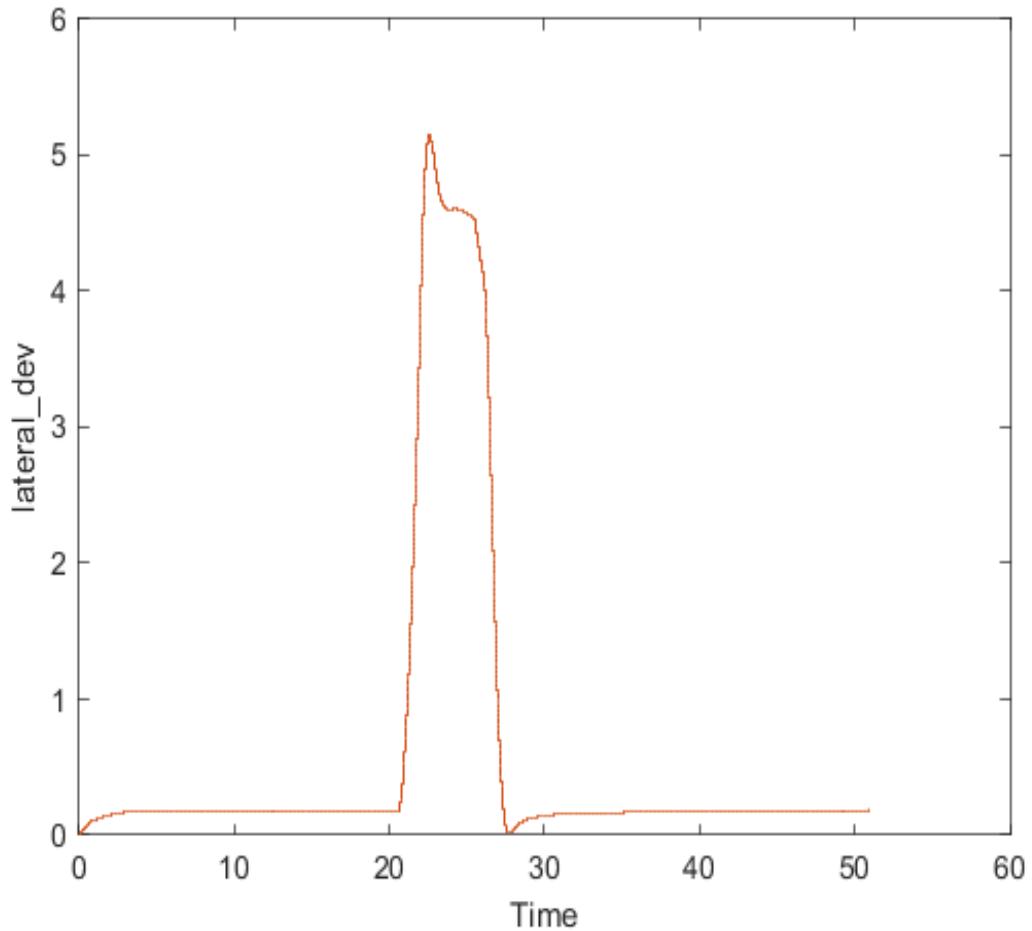
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature counterclockwise 100k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 100km/h](#)  
Start Time: 19-May-2021 21:40:11  
End Time: 19-May-2021 21:40:16  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

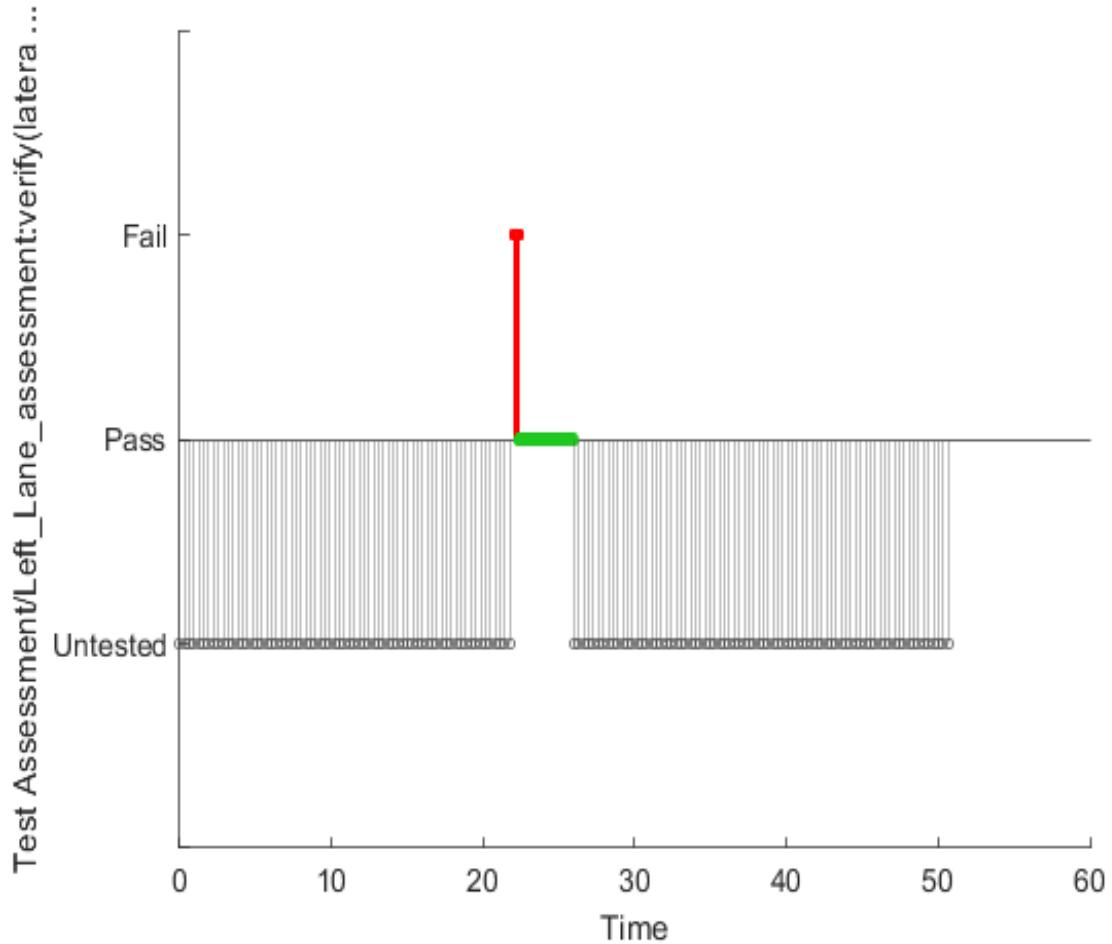
Name: 300m curvature counterclockwise 100km/h  
Type: Simulation Test

## Verify Result

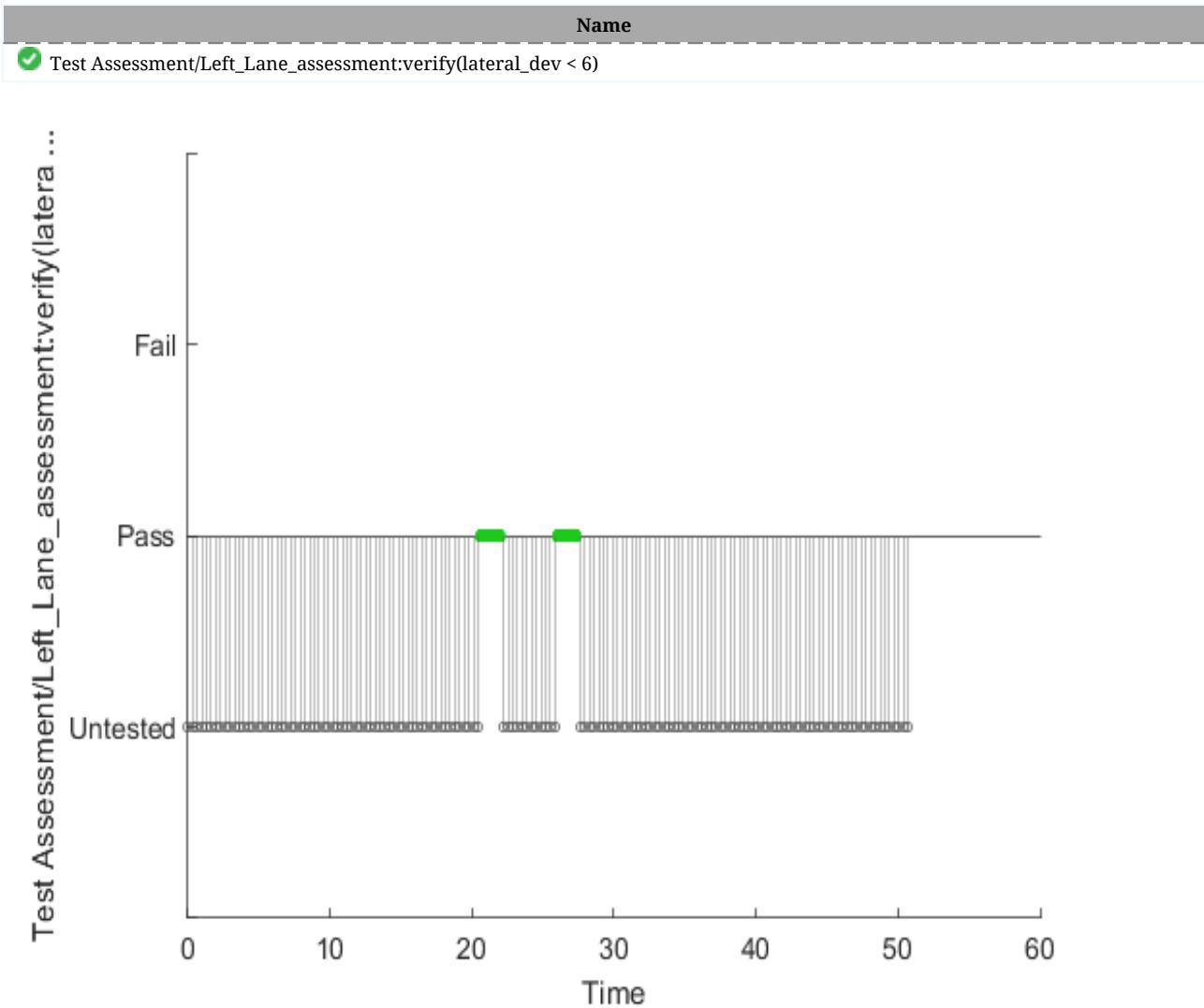
Name	Link to Plot
✗ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✖ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



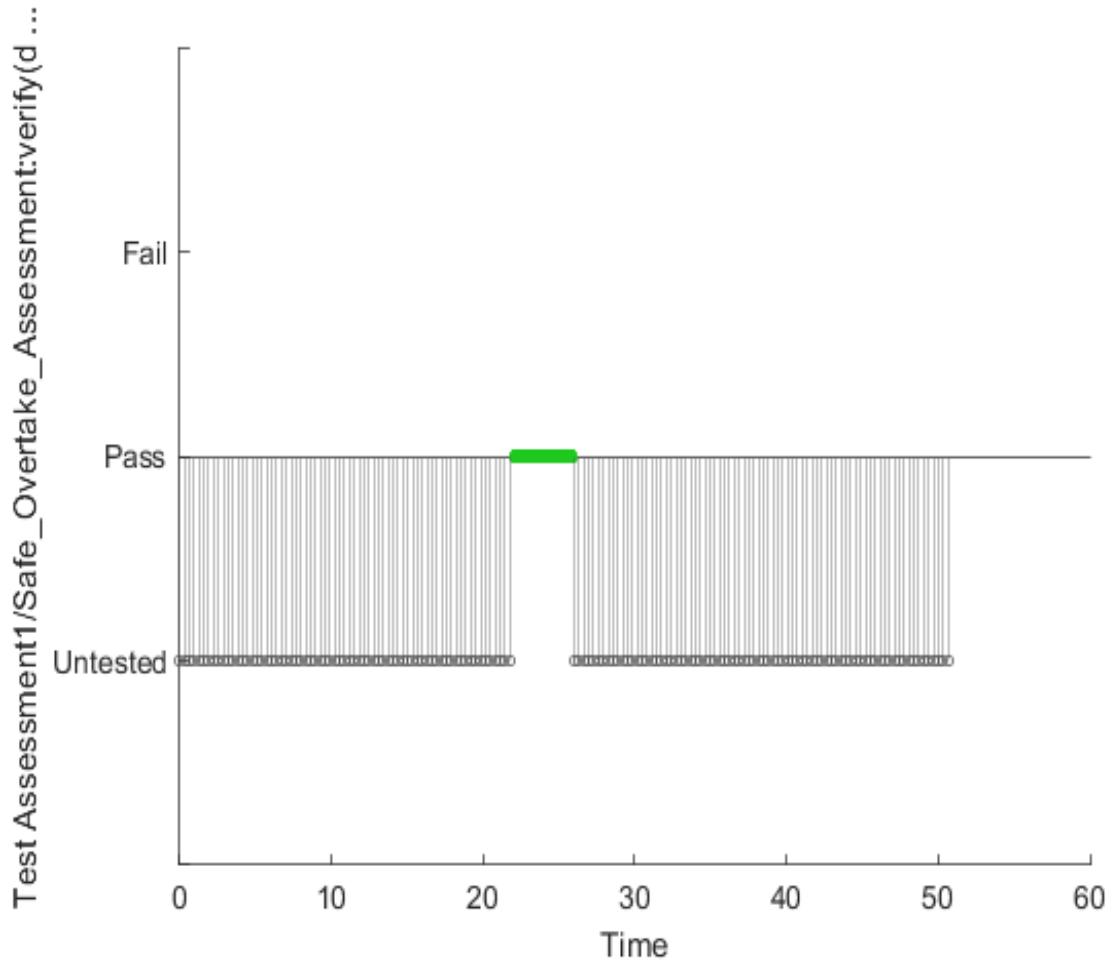
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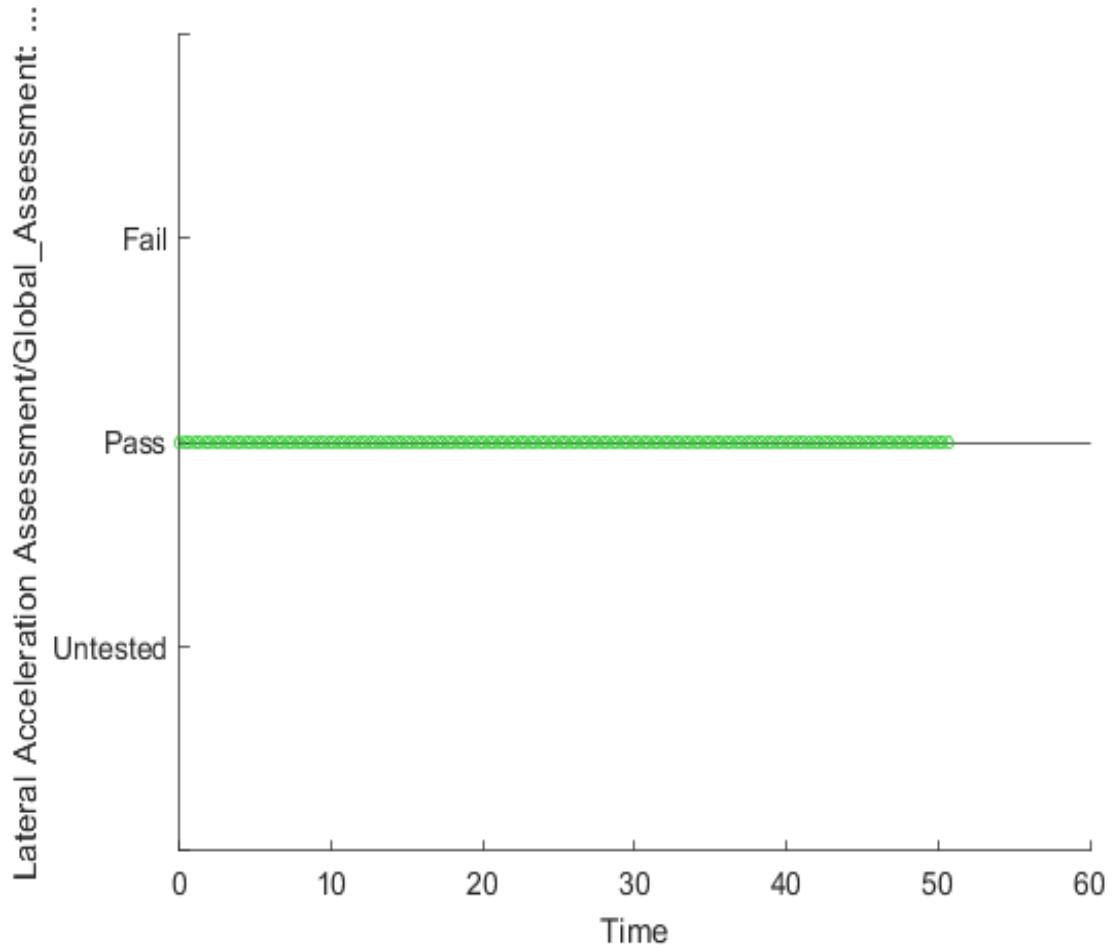
### Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

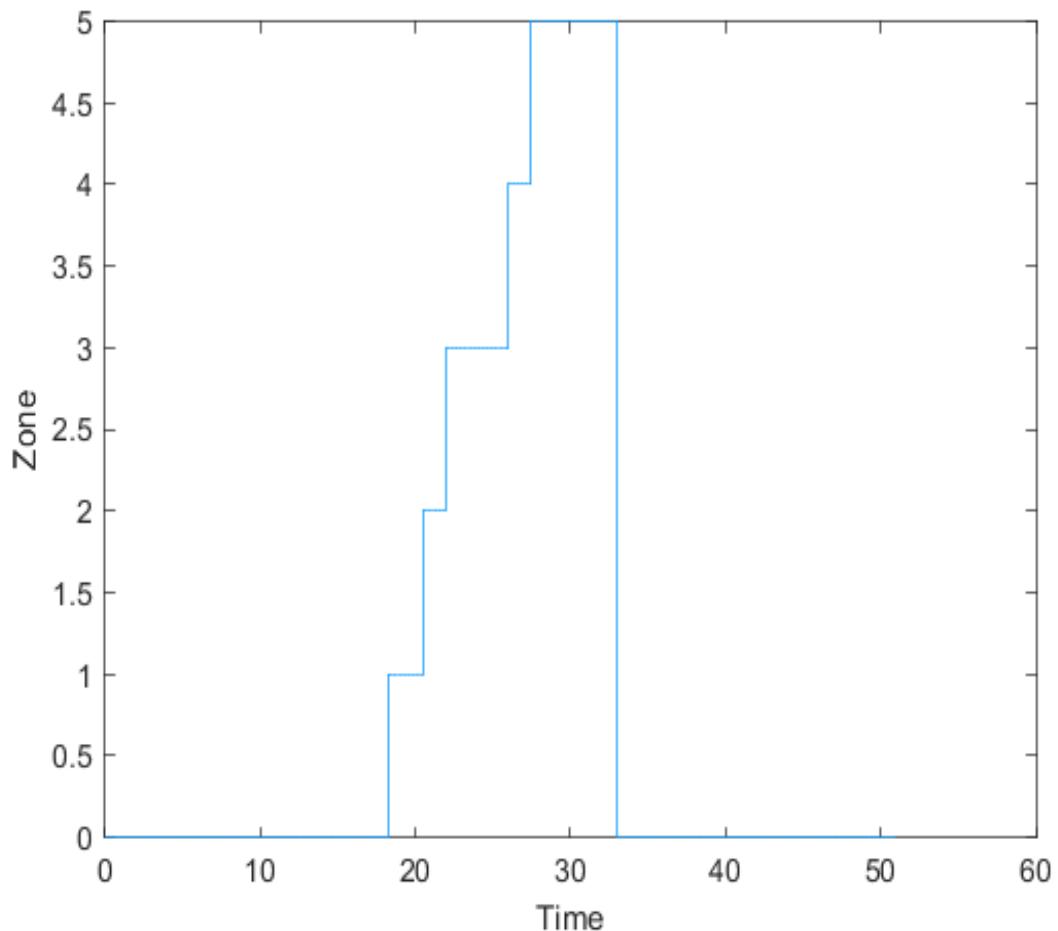
Start Time: 0  
Stop Time: 50.900000000000358  
Checksum: 1736435926 893189879 1920736634 409910492

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

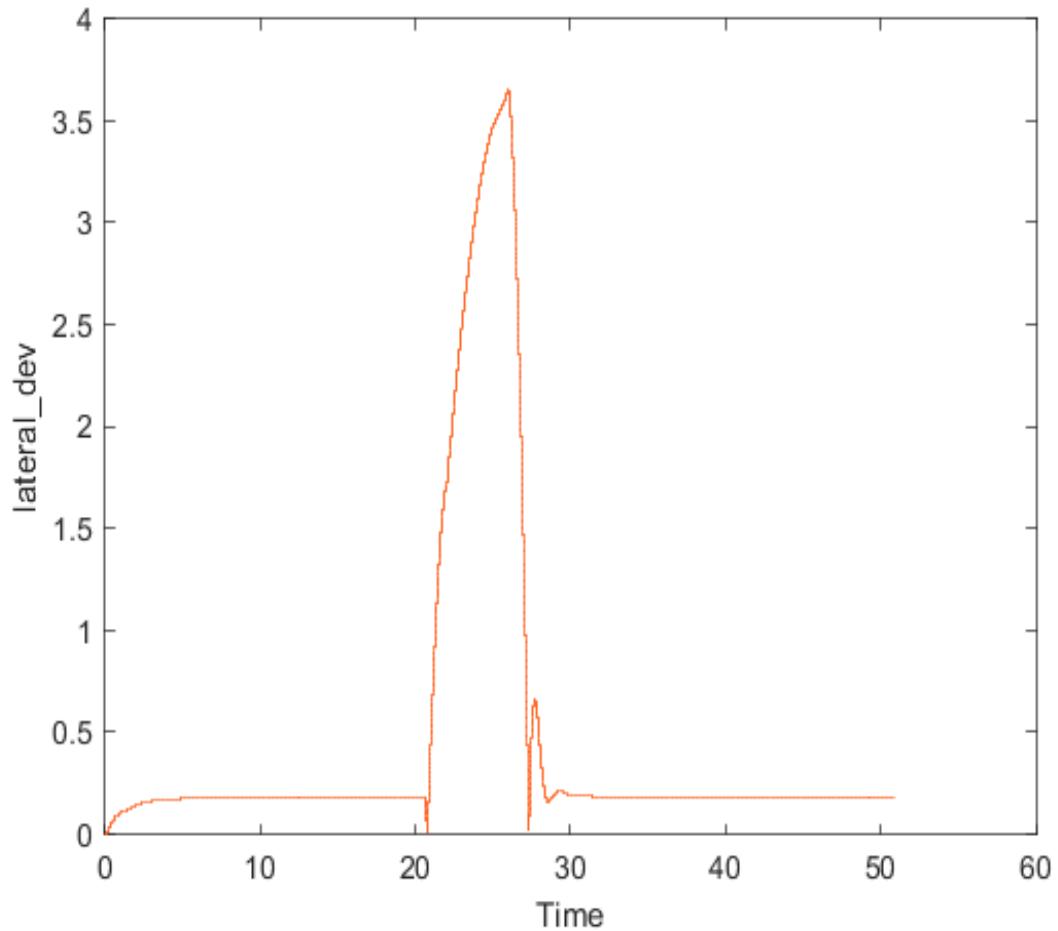
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature counterclockwise 100k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 100km/h](#)  
Start Time: 19-May-2021 21:40:16  
End Time: 19-May-2021 21:40:24  
Outcome: Passed

## Test Case Information

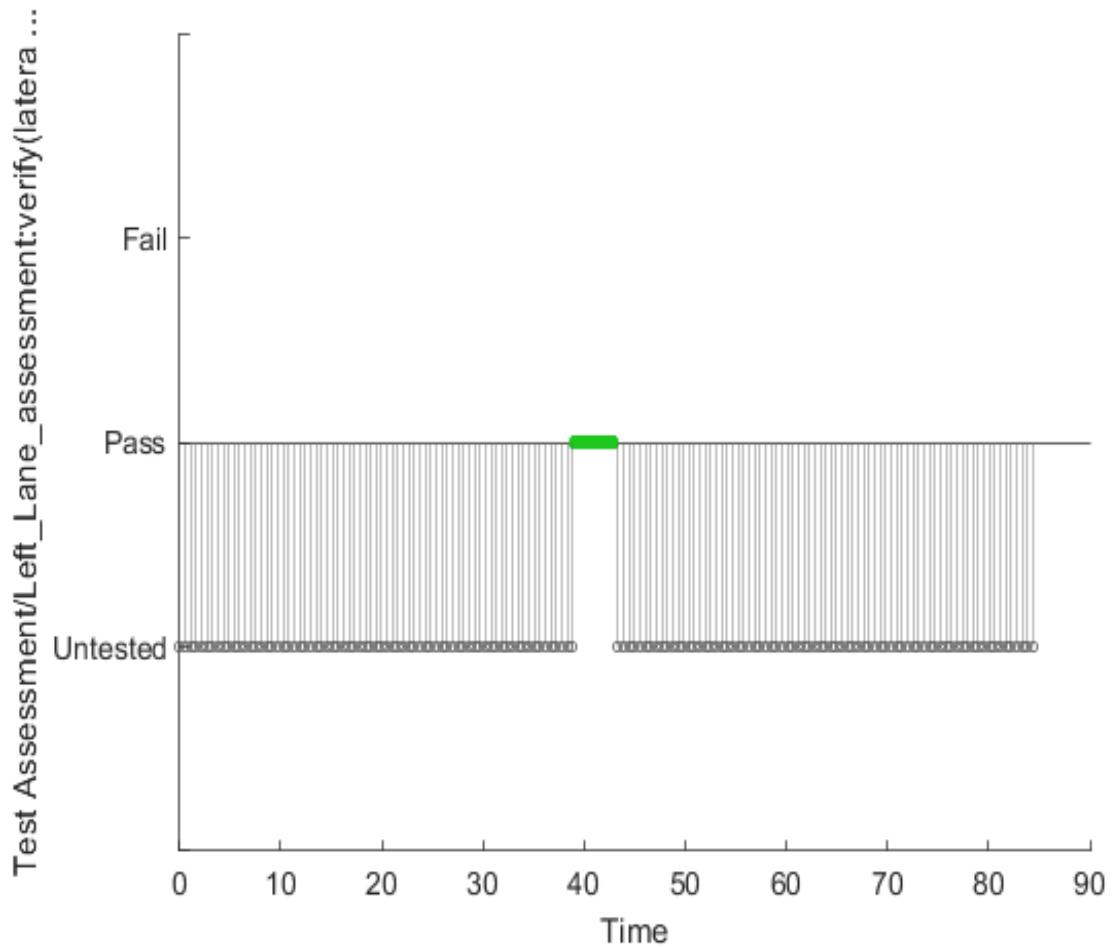
Name: 500m curvature counterclockwise 100km/h  
Type: Simulation Test

## Verify Result

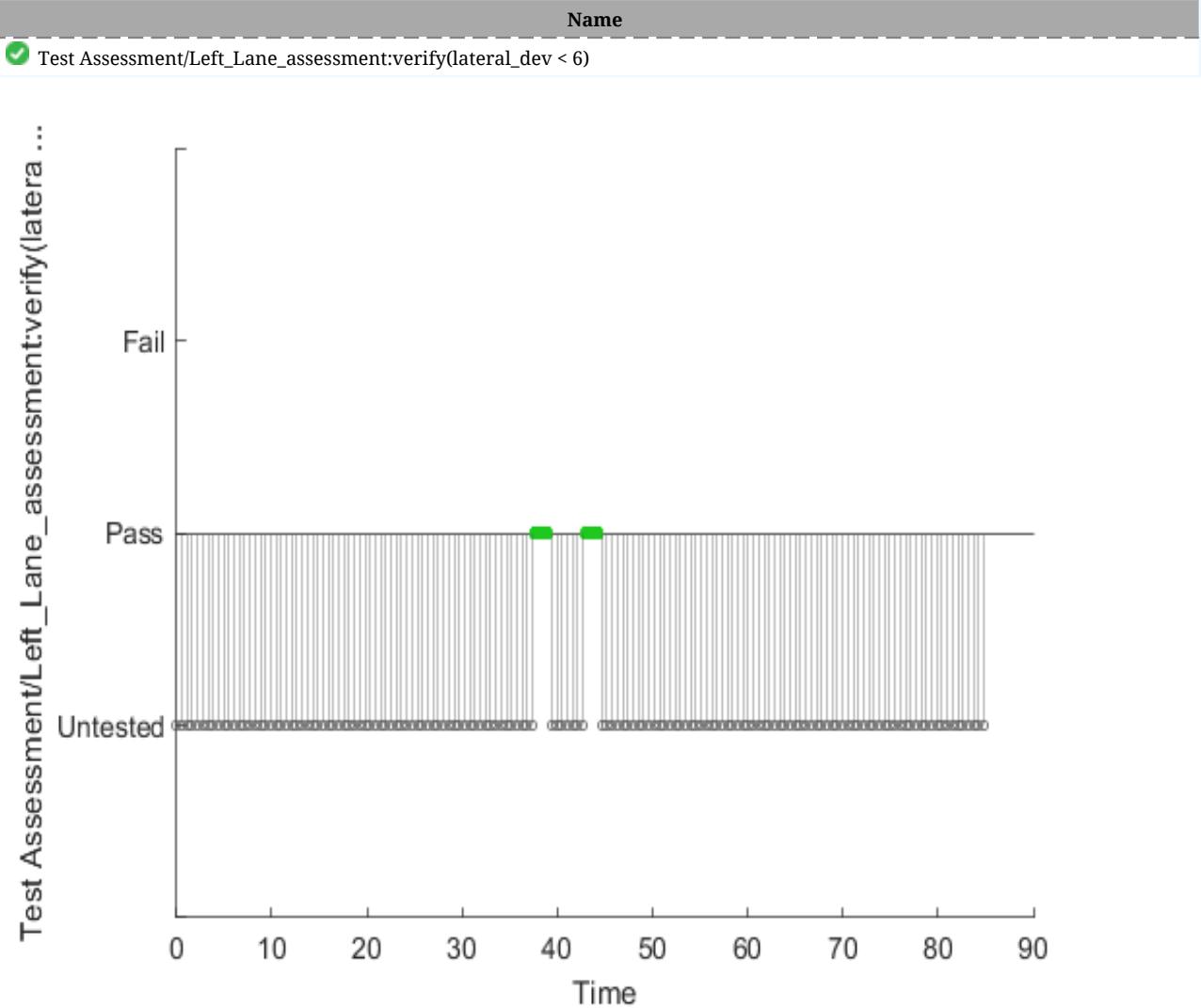
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



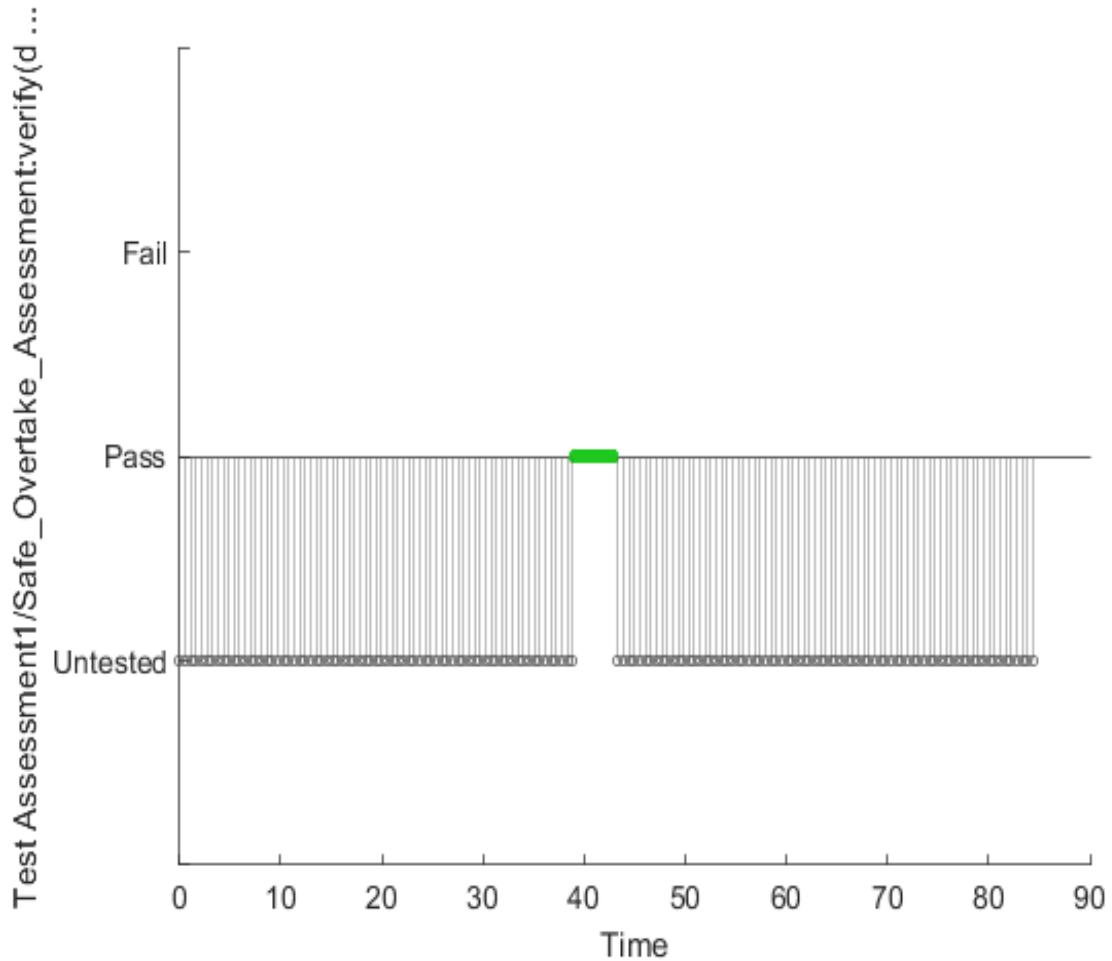
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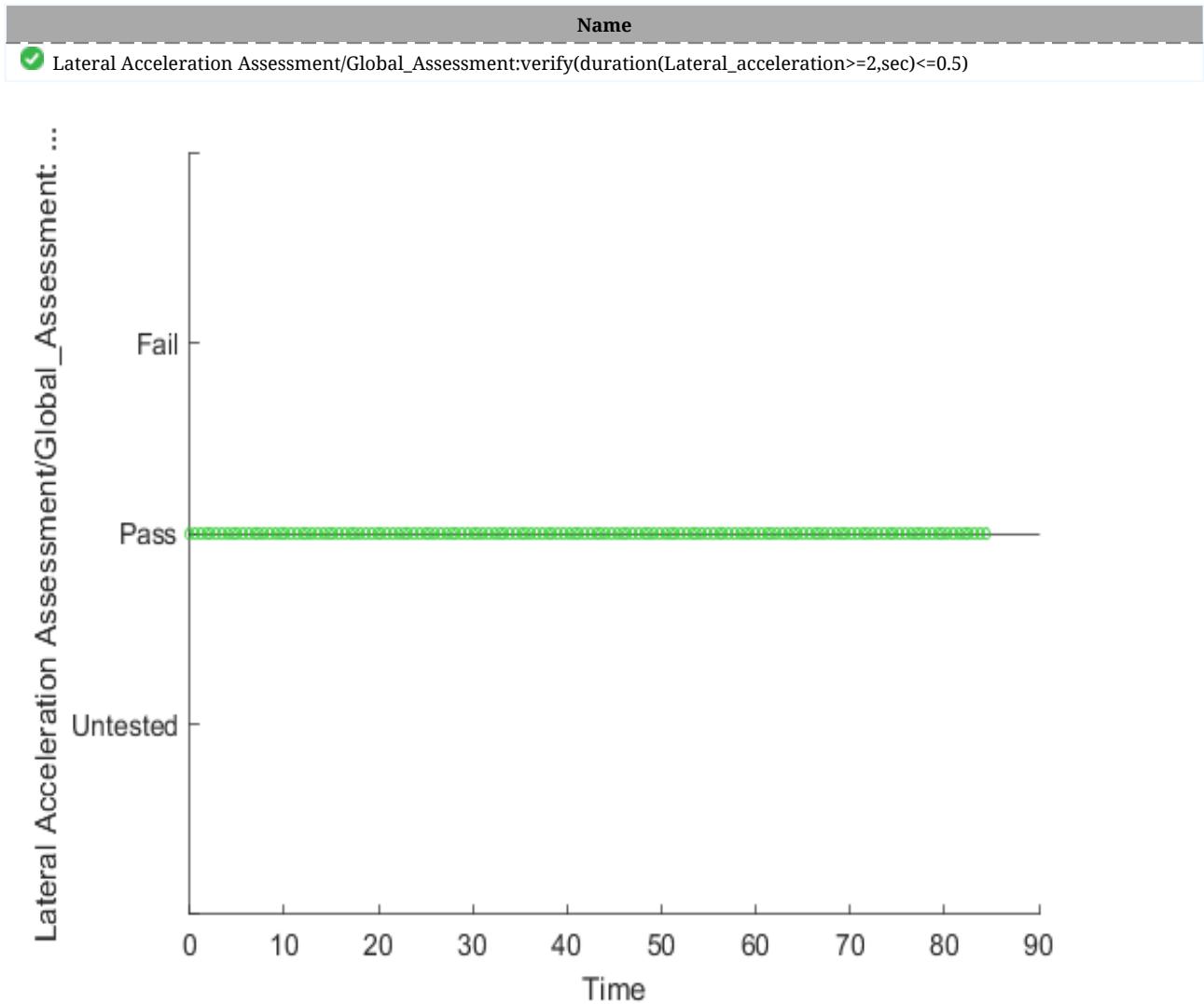
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

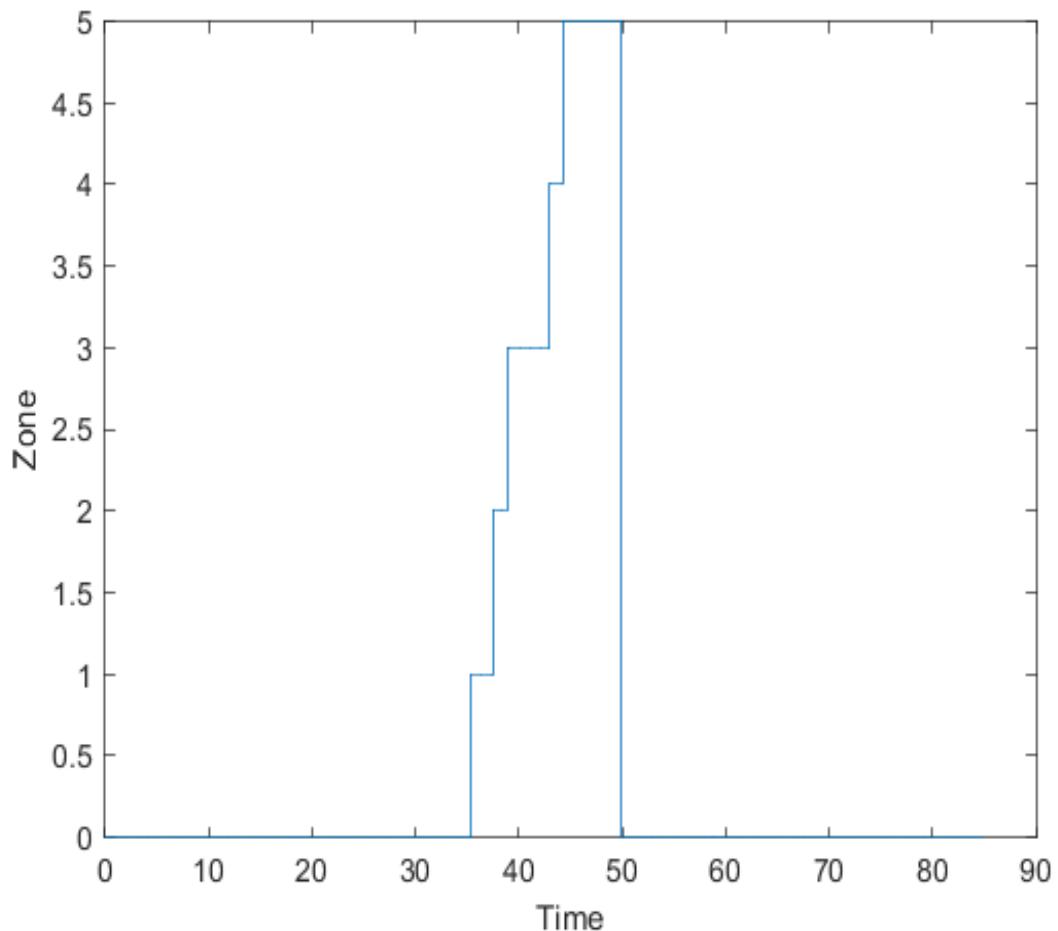
Start Time: 0  
Stop Time: 84.830000000008852  
Checksum: 465737048 3648550986 184001302 573160431

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

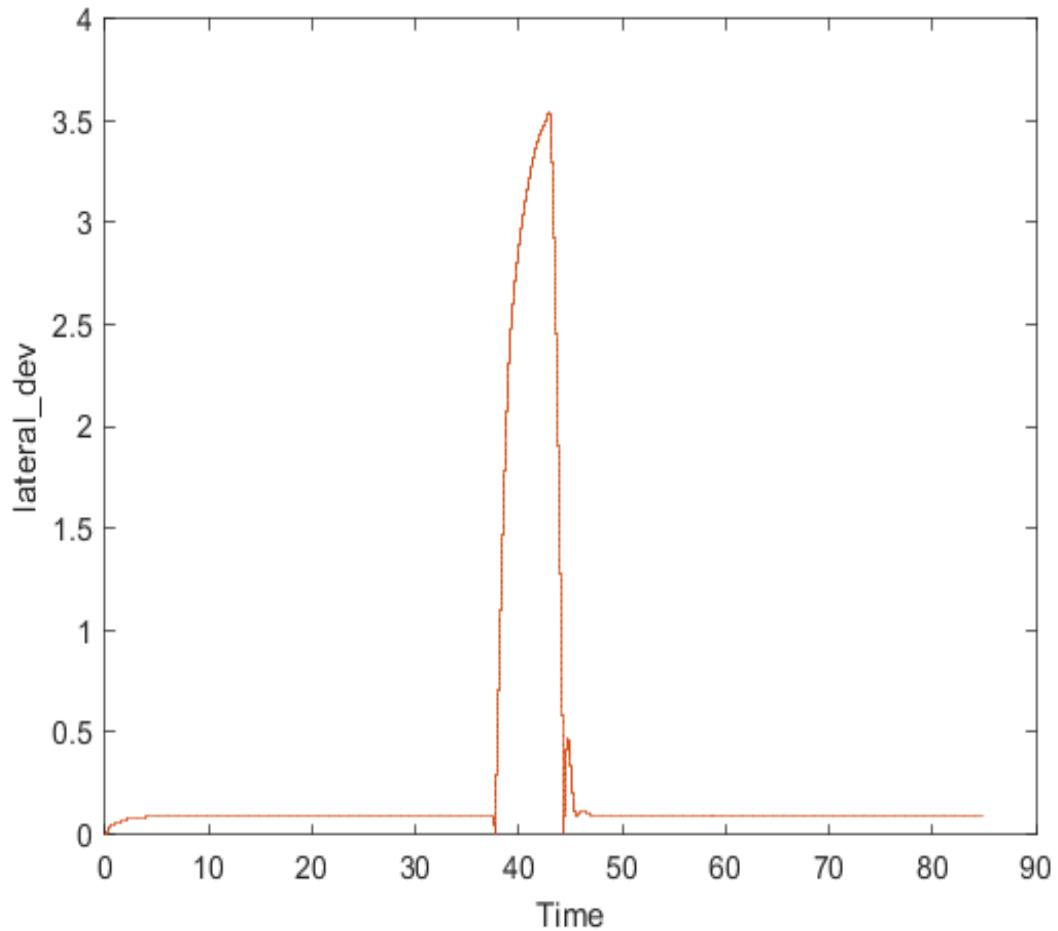
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature counterclockwise 100 km/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 100km/h](#)  
Start Time: 19-May-2021 21:40:24  
End Time: 19-May-2021 21:40:52  
Outcome: Passed

## Test Case Information

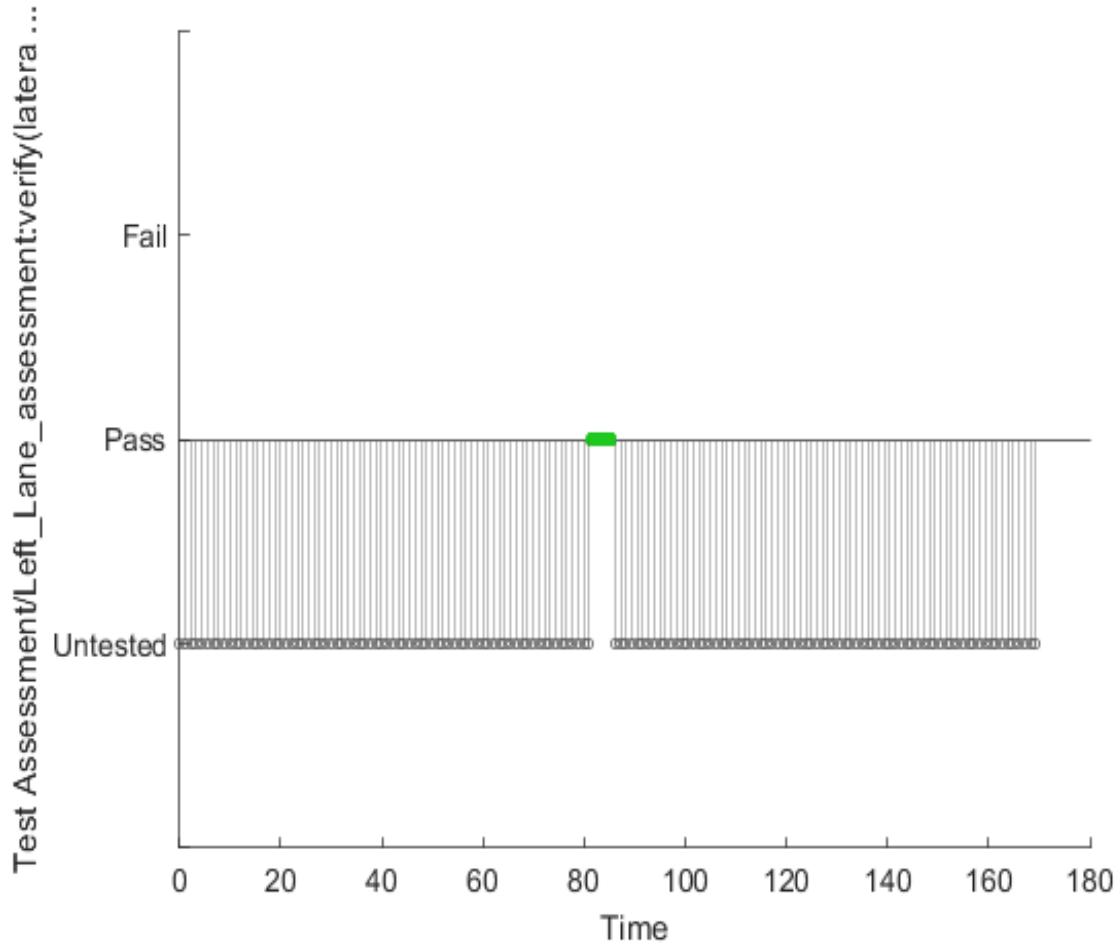
Name: 1000m curvature counterclockwise 100km/h  
Type: Simulation Test

## Verify Result

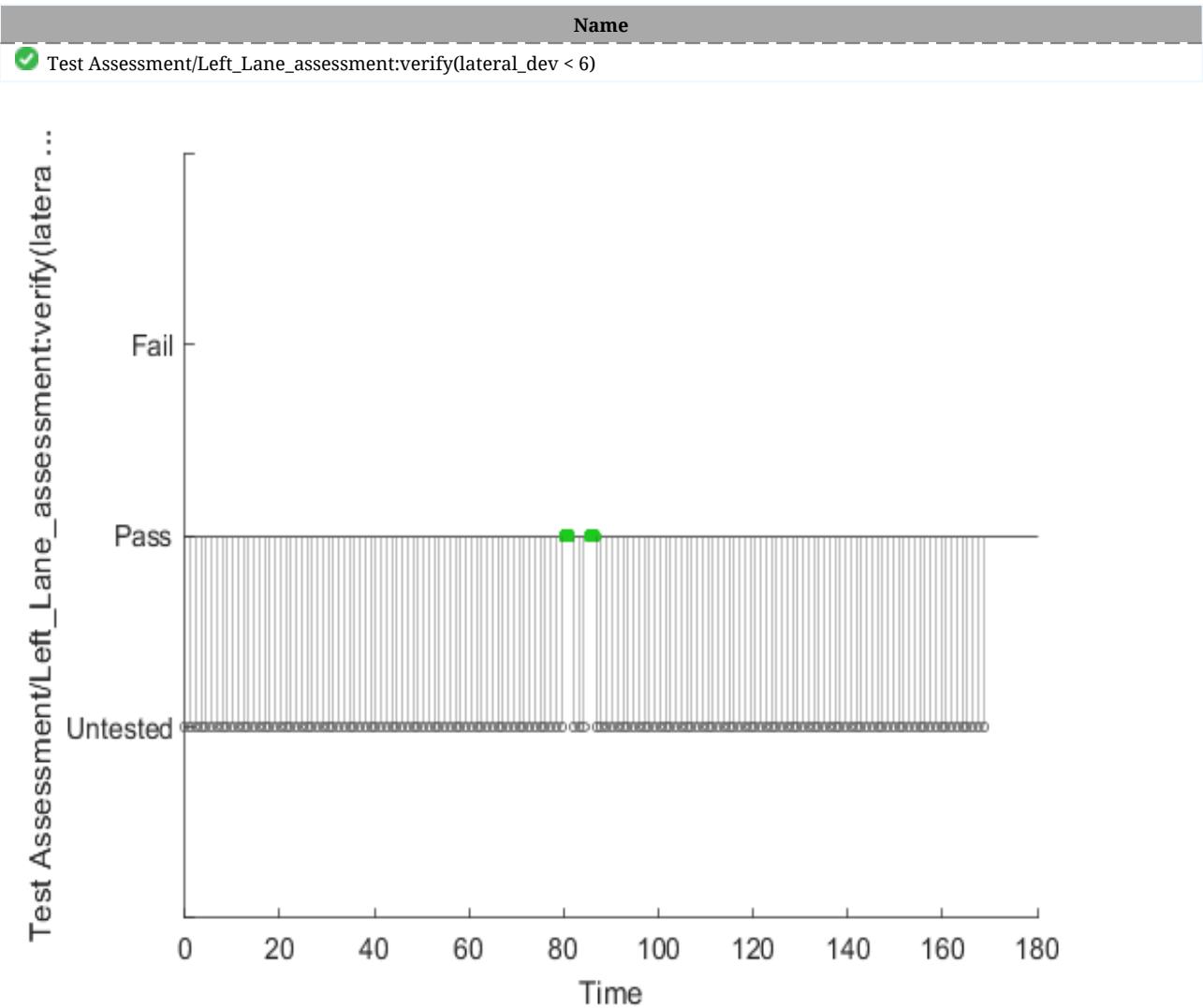
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



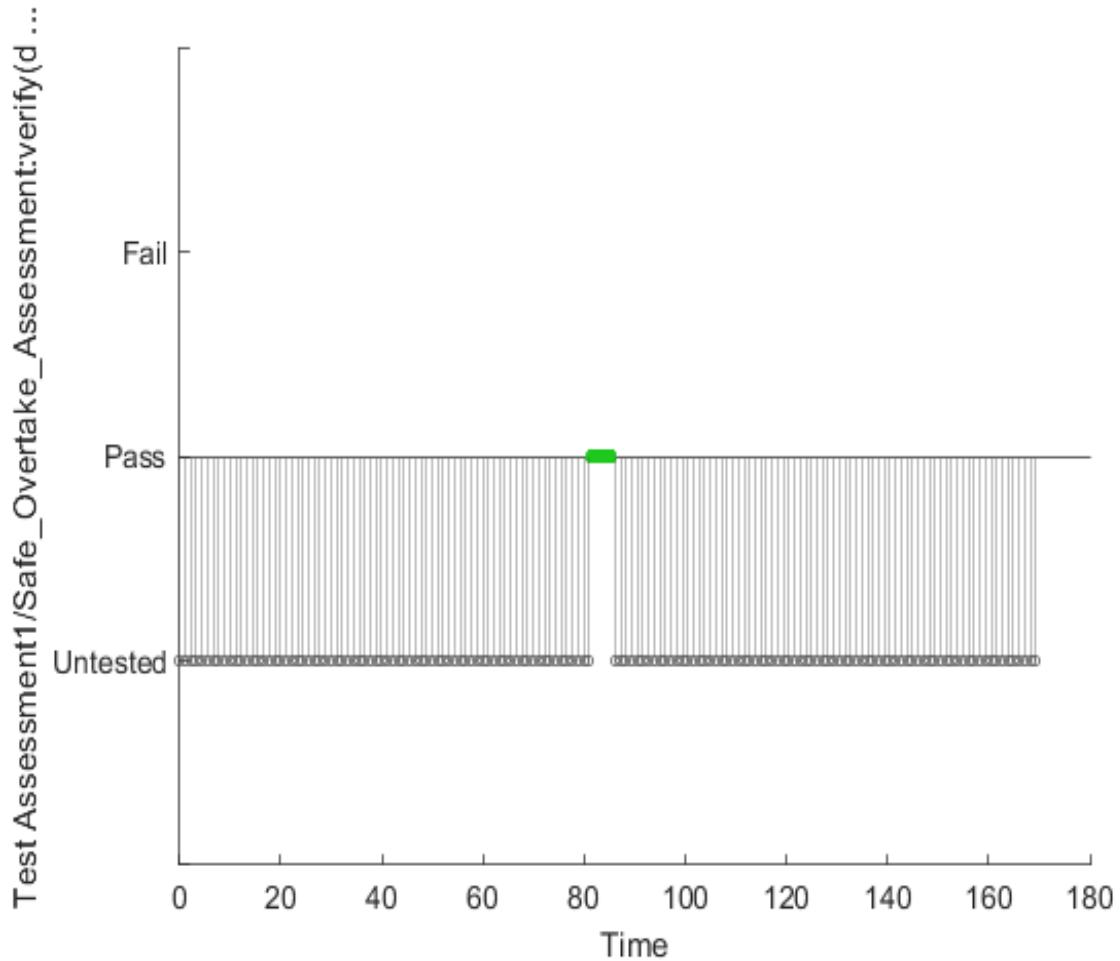
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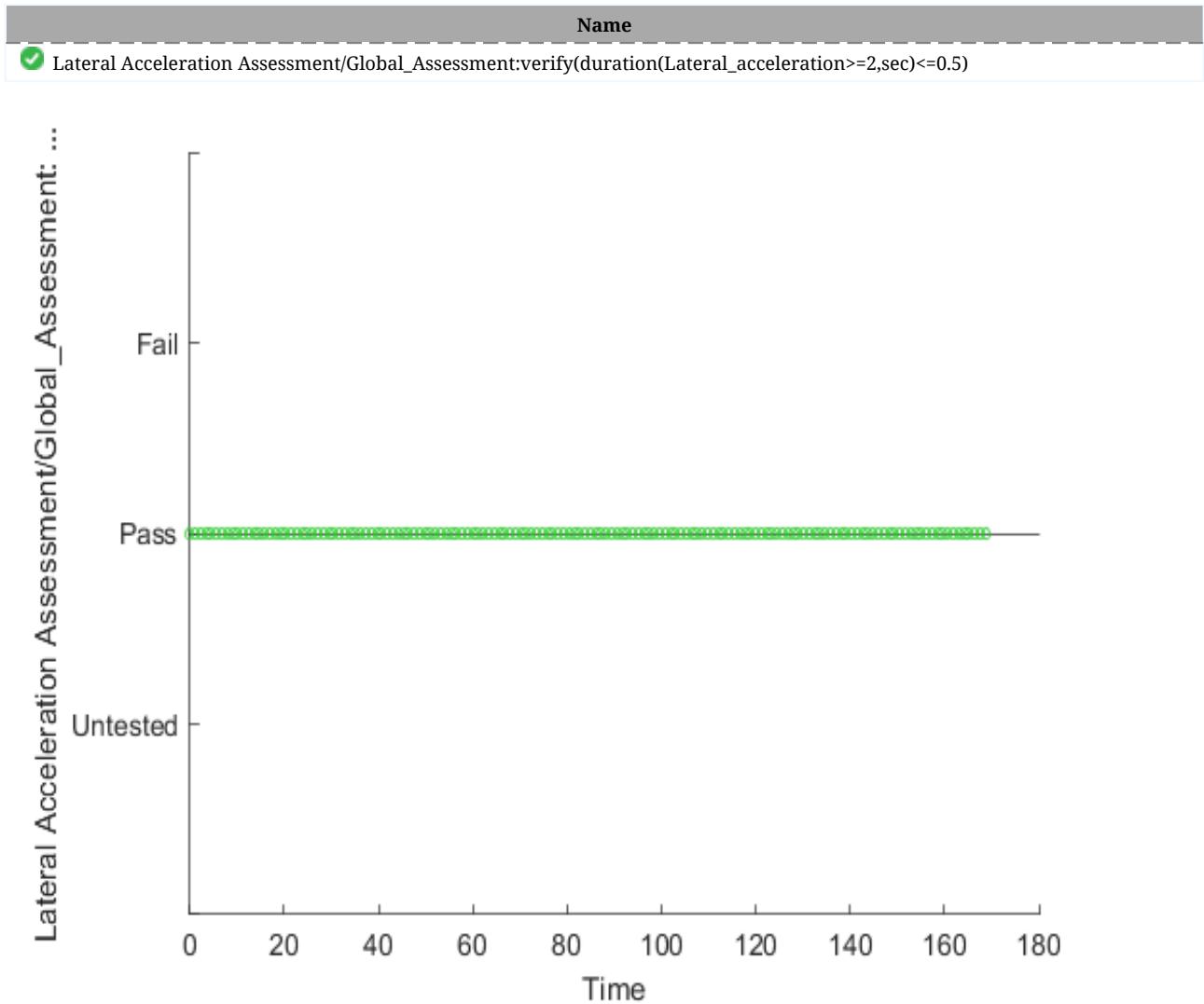
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

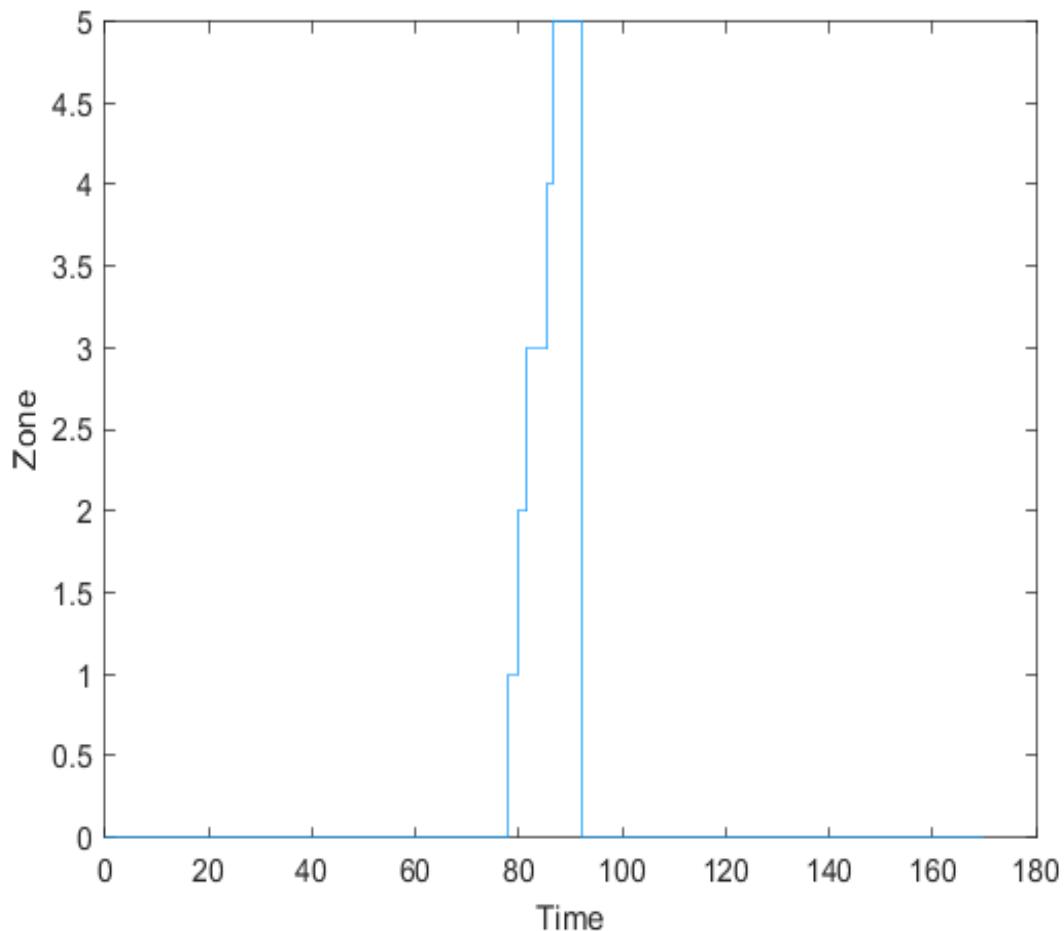
Start Time: 0  
Stop Time: 169.650000000000313  
Checksum: 148901719 4283494041 2849782483 8574799

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

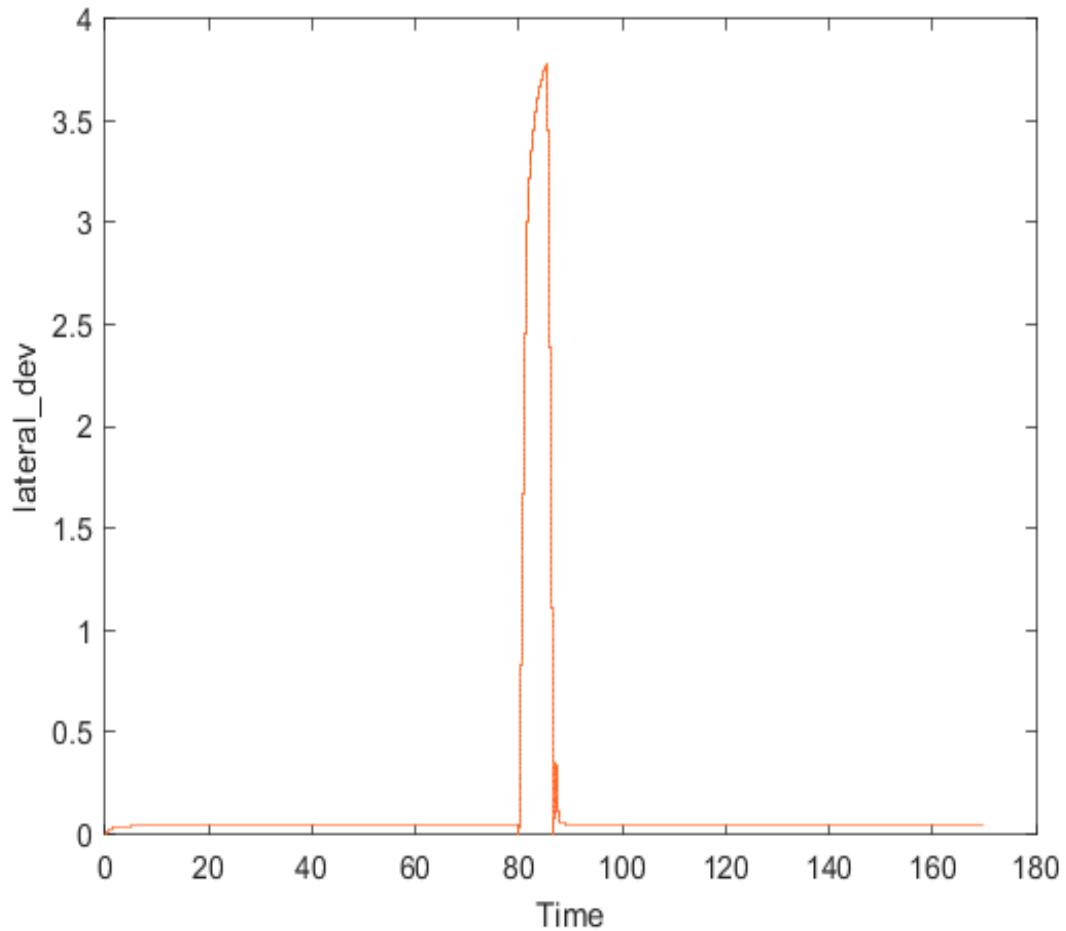
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## Single\_static\_obstacle\_40km/h

### Test Result Information

Result Type: Test Suite Result  
Parent: [Static\\_obstacle\\_avoidance](#)

Start Time: 19-May-2021 21:40:52  
End Time: 19-May-2021 21:48:38  
Outcome: Total: 22, Passed: 22

## Test Suite Information

Name: Single\_static\_obstacle\_40km/h

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## 0° 40km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_40km/h](#)  
Start Time: 19-May-2021 21:40:52  
End Time: 19-May-2021 21:41:03  
Outcome: Passed

### Test Case Information

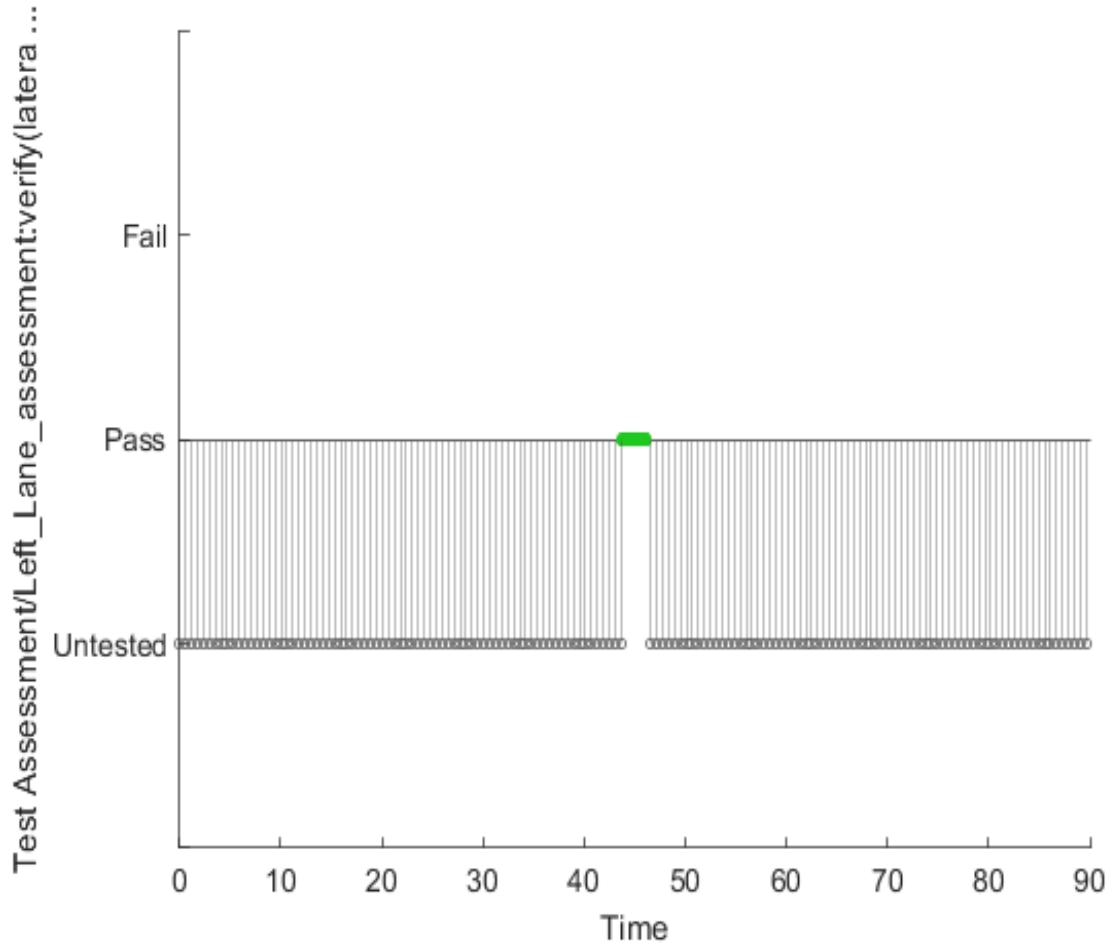
Name: 0° 40km/h  
Type: Simulation Test

### Verify Result

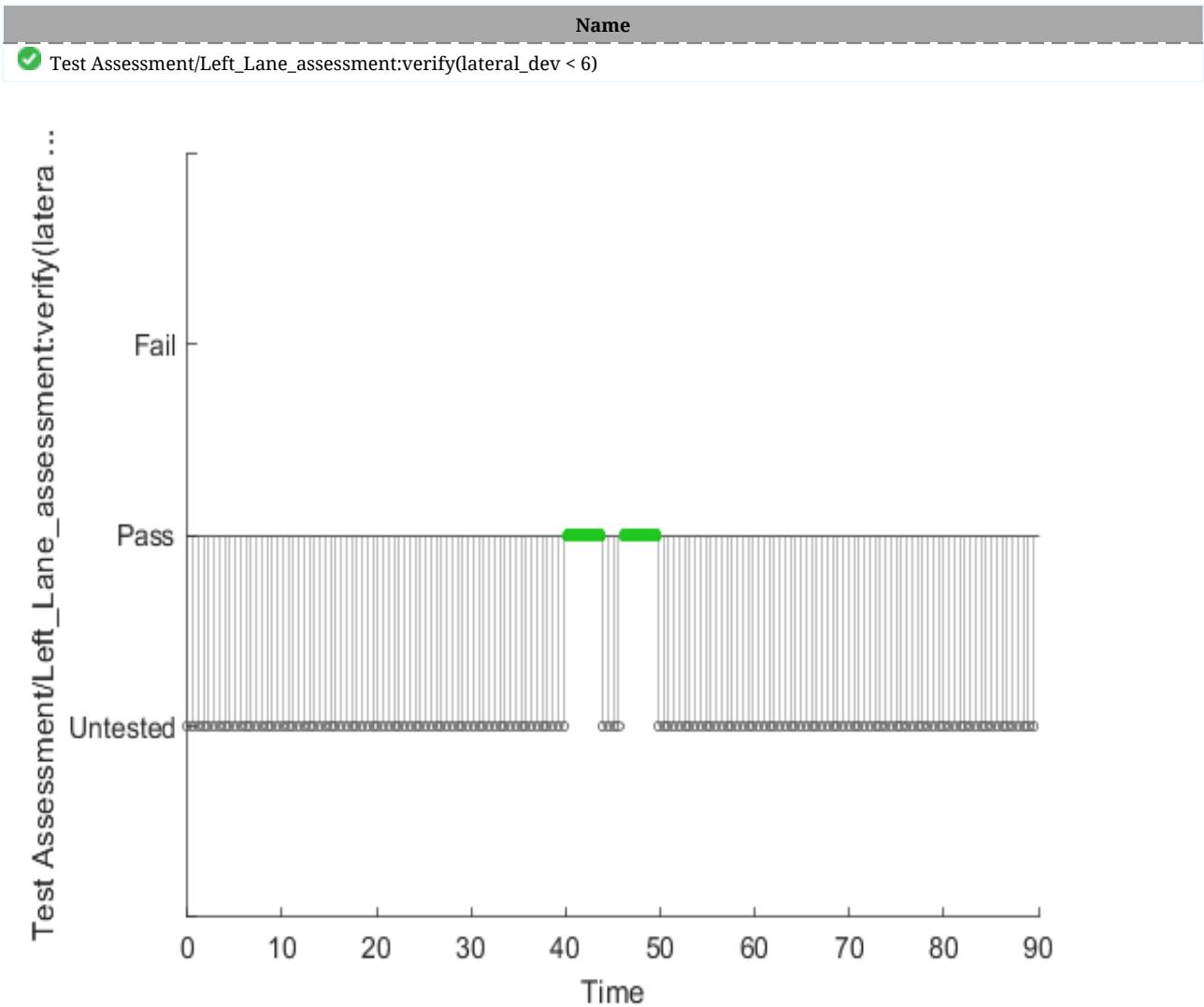
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



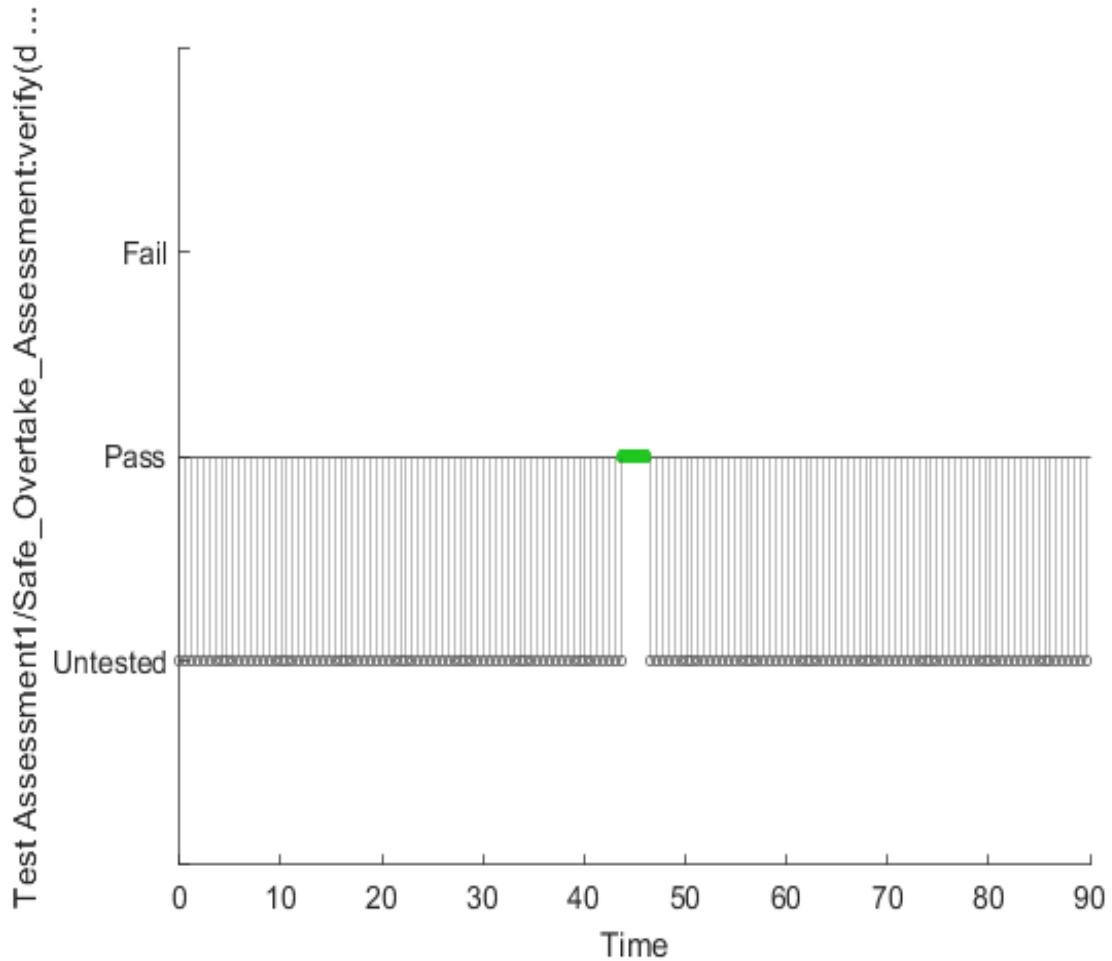
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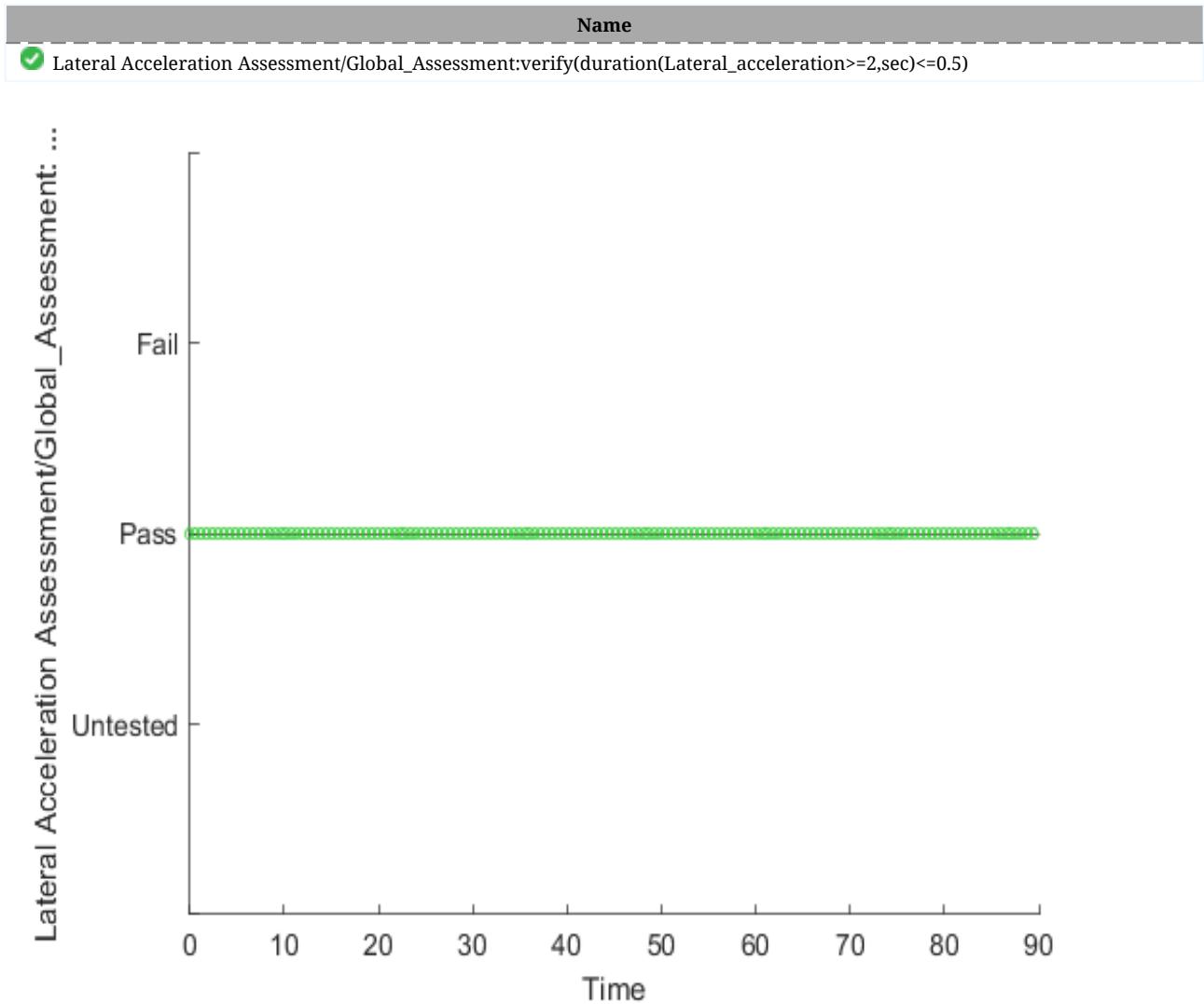
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

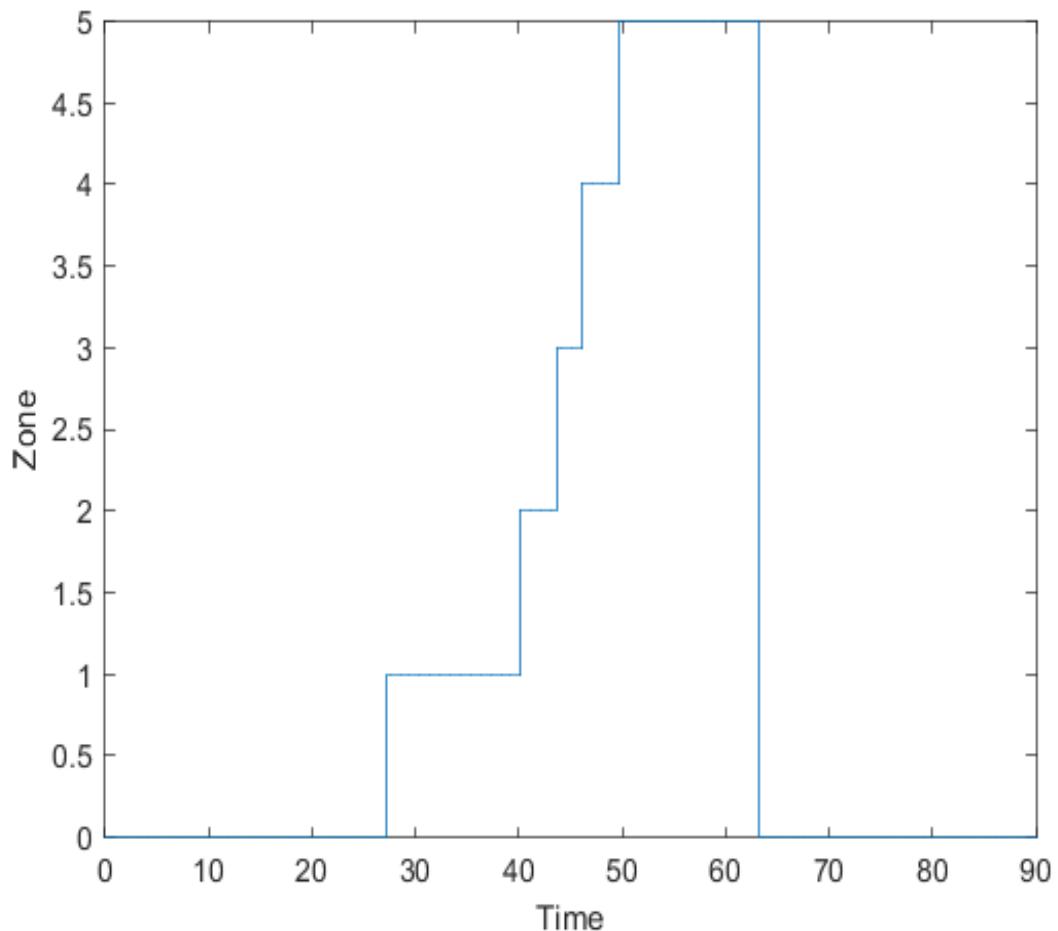
Start Time: 0  
Stop Time: 90  
Checksum: 1925944679 404321607 95742990 3079759977

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

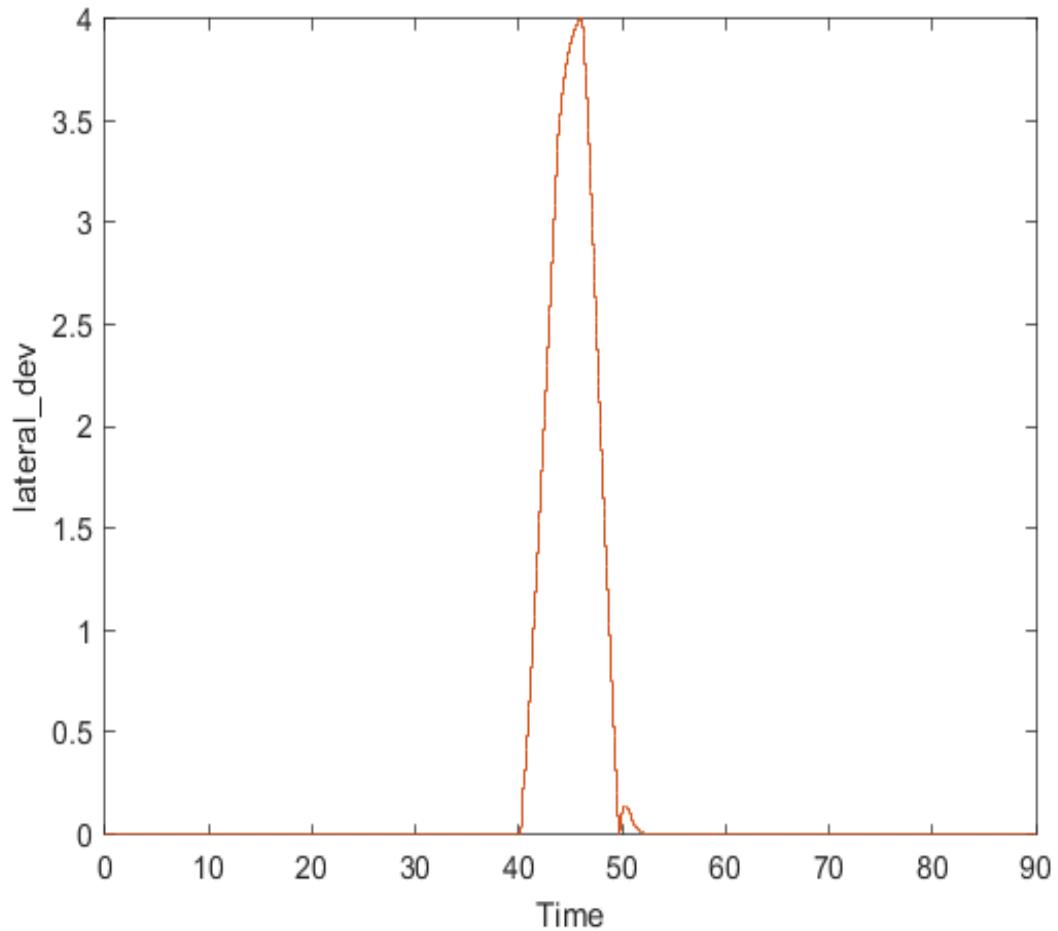
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 20° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:41:03  
End Time: 19-May-2021 21:41:16  
Outcome: Passed

## Test Case Information

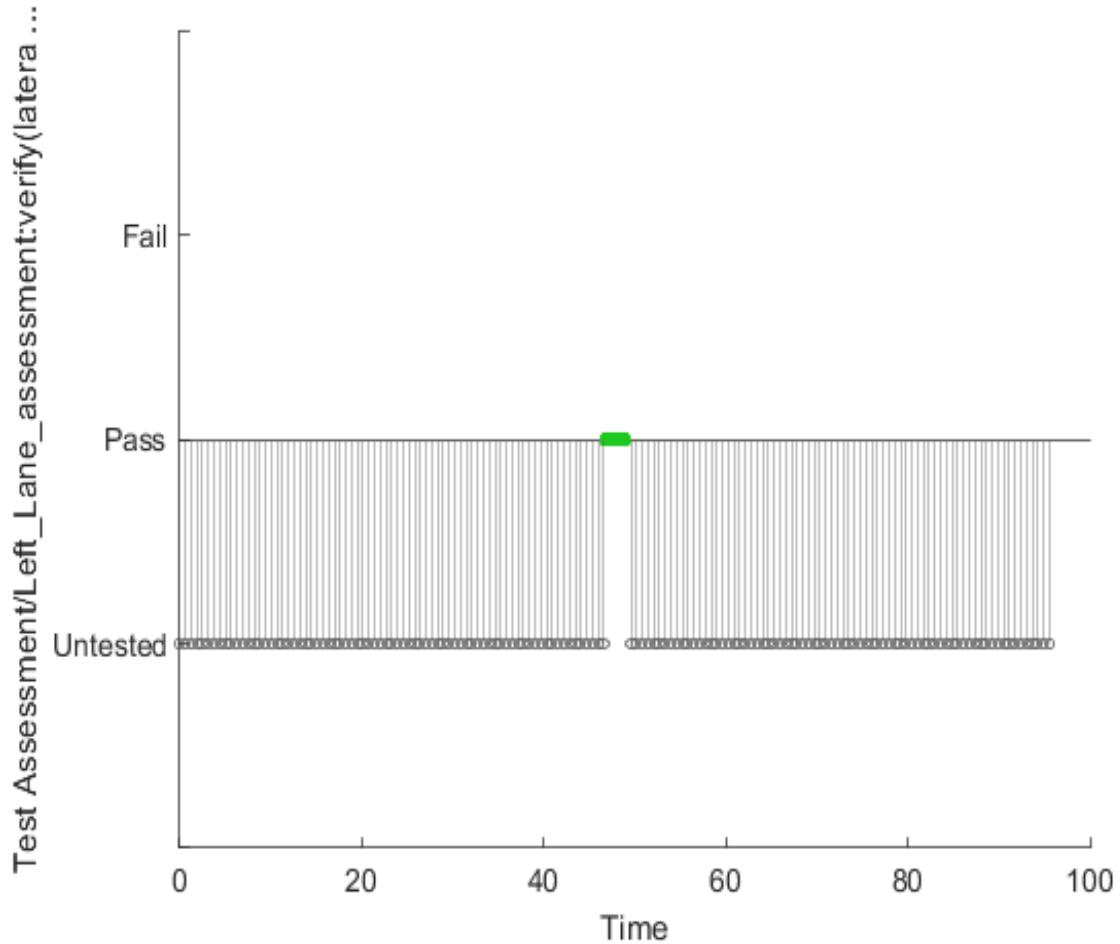
Name: 20° 40km/h  
Type: Simulation Test

## Verify Result

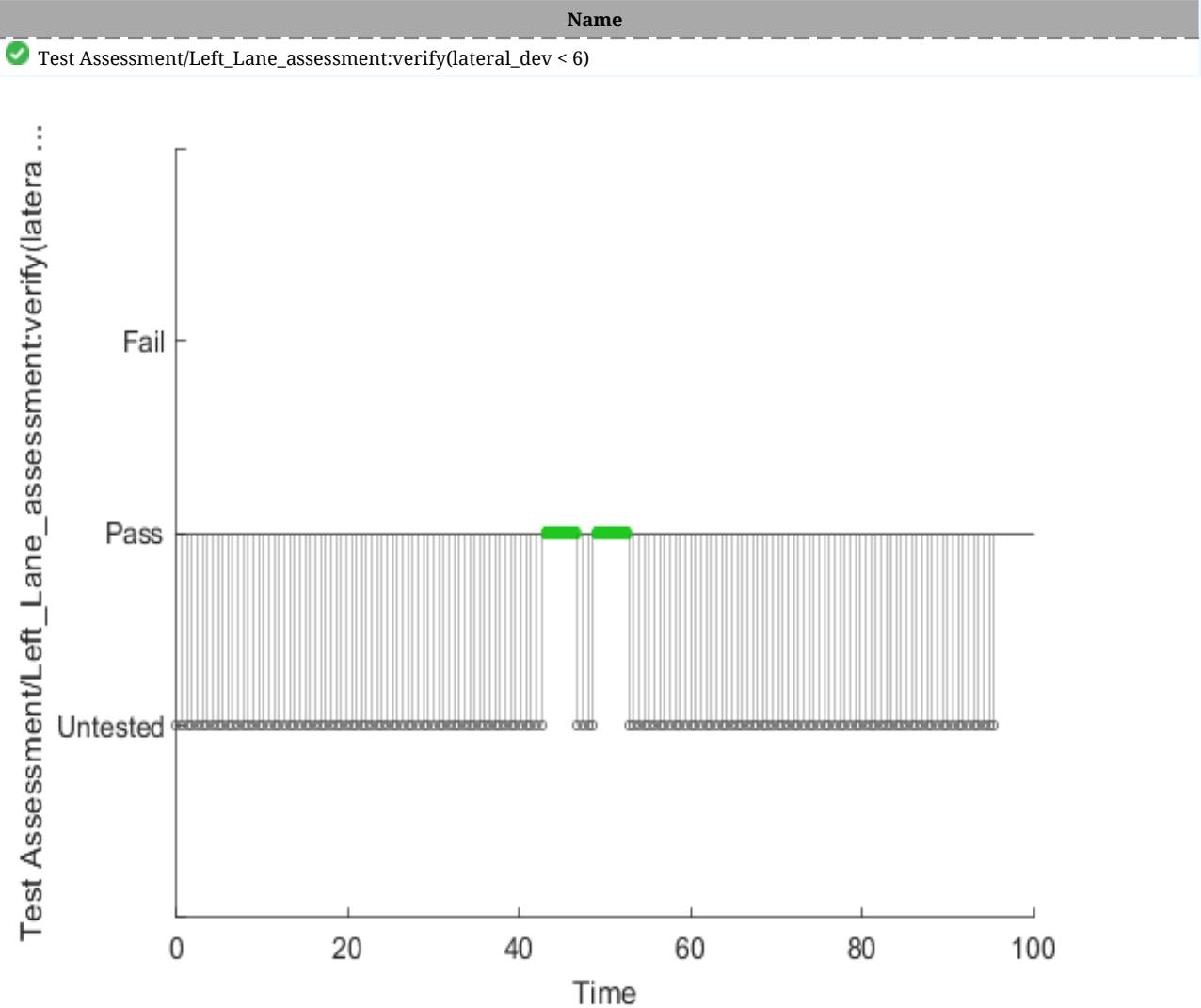
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



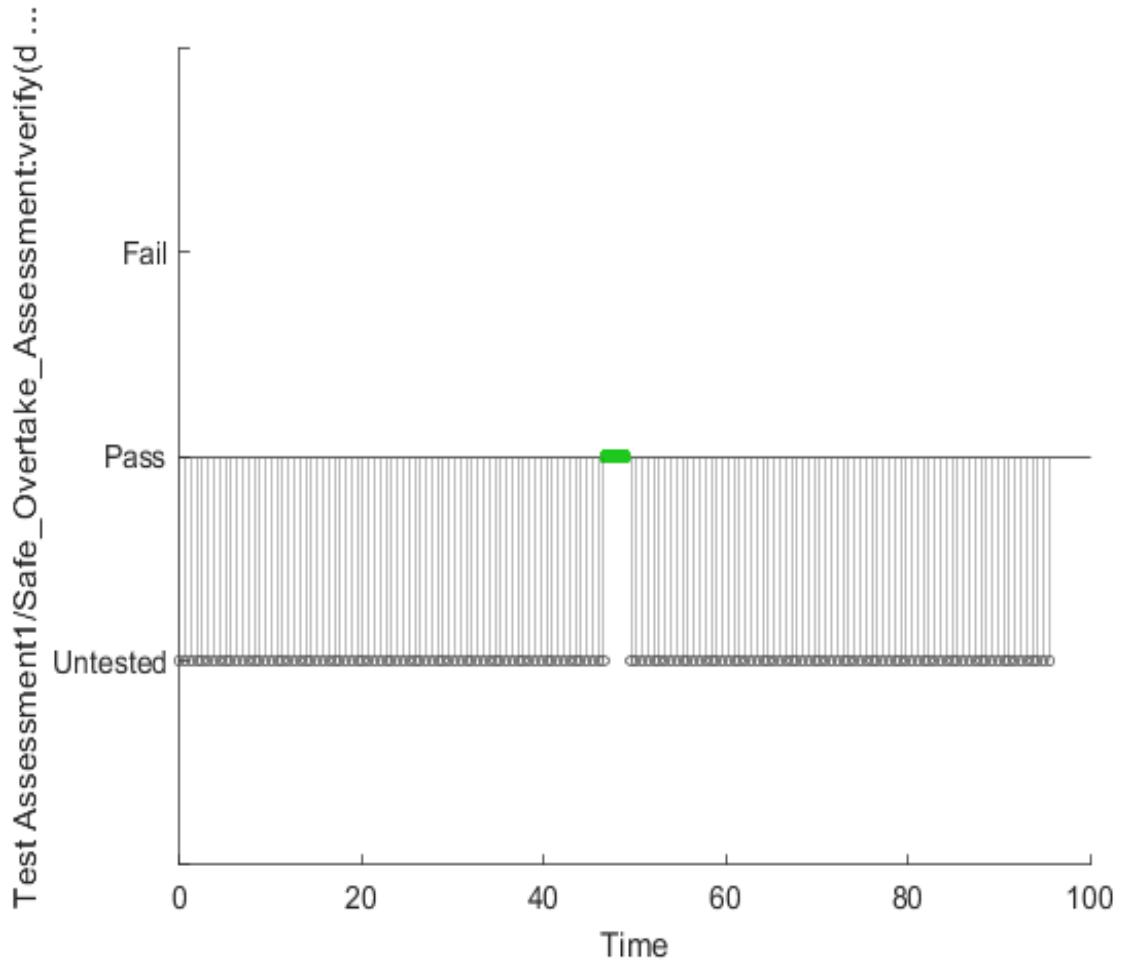
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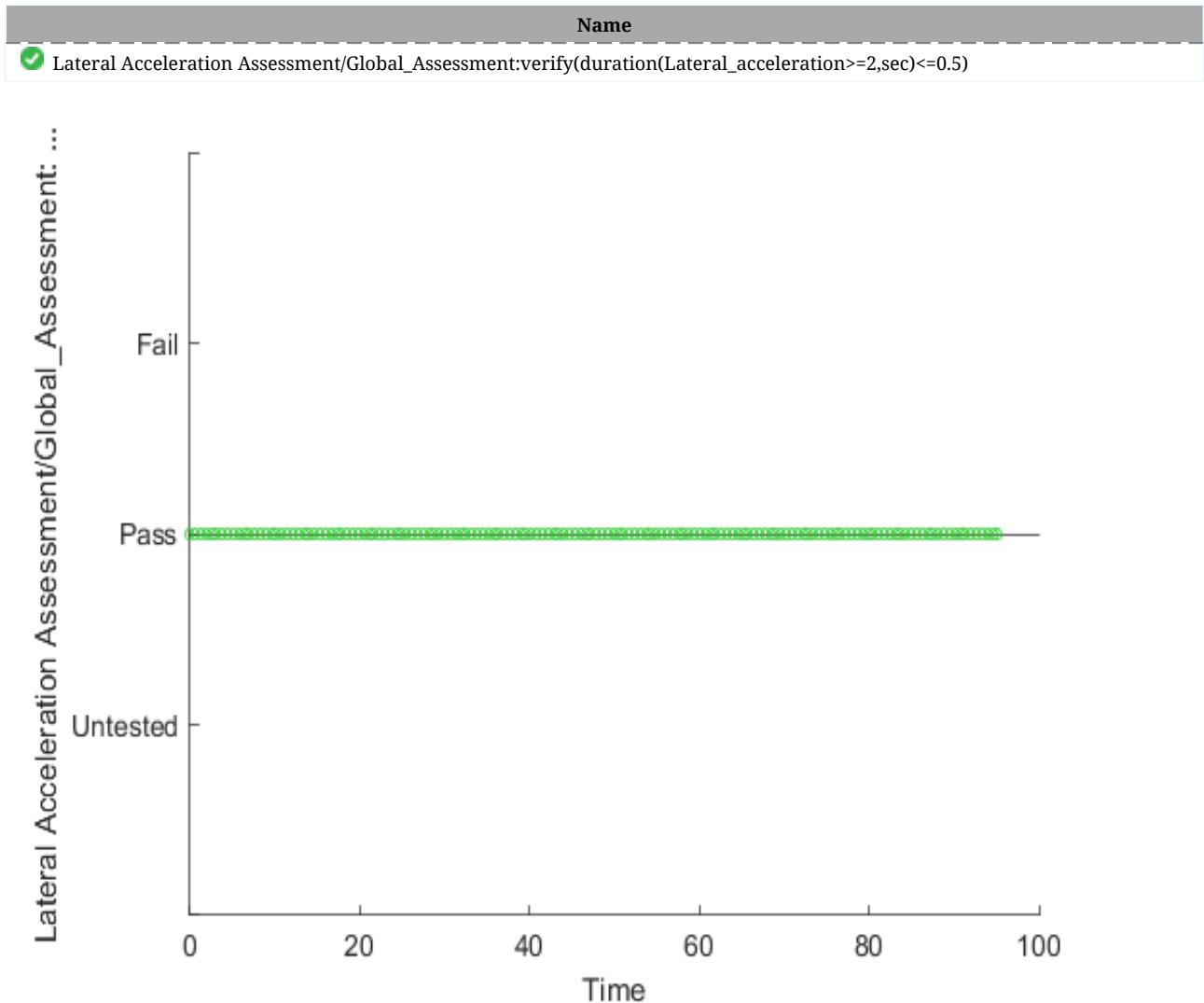
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

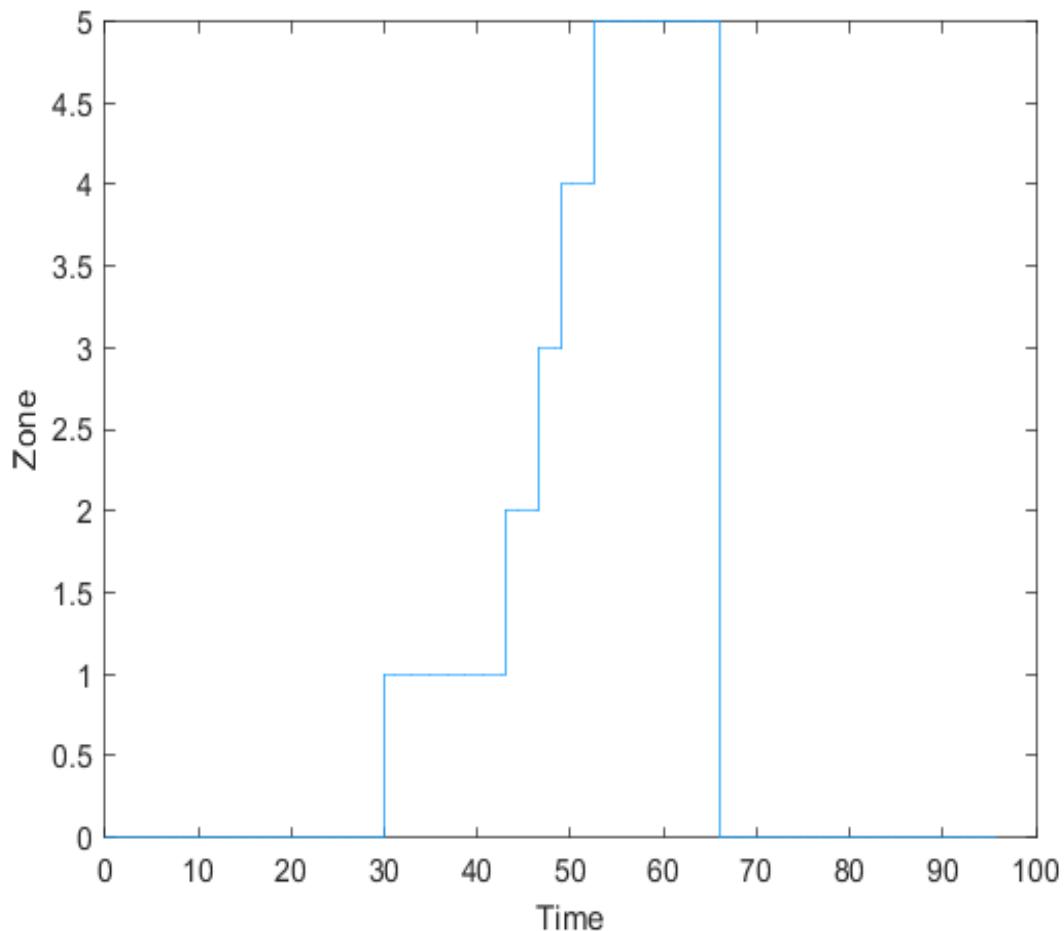
Start Time: 0  
Stop Time: 95.77691579916322  
Checksum: 3732168733 1931266132 1495074700 1168616824

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

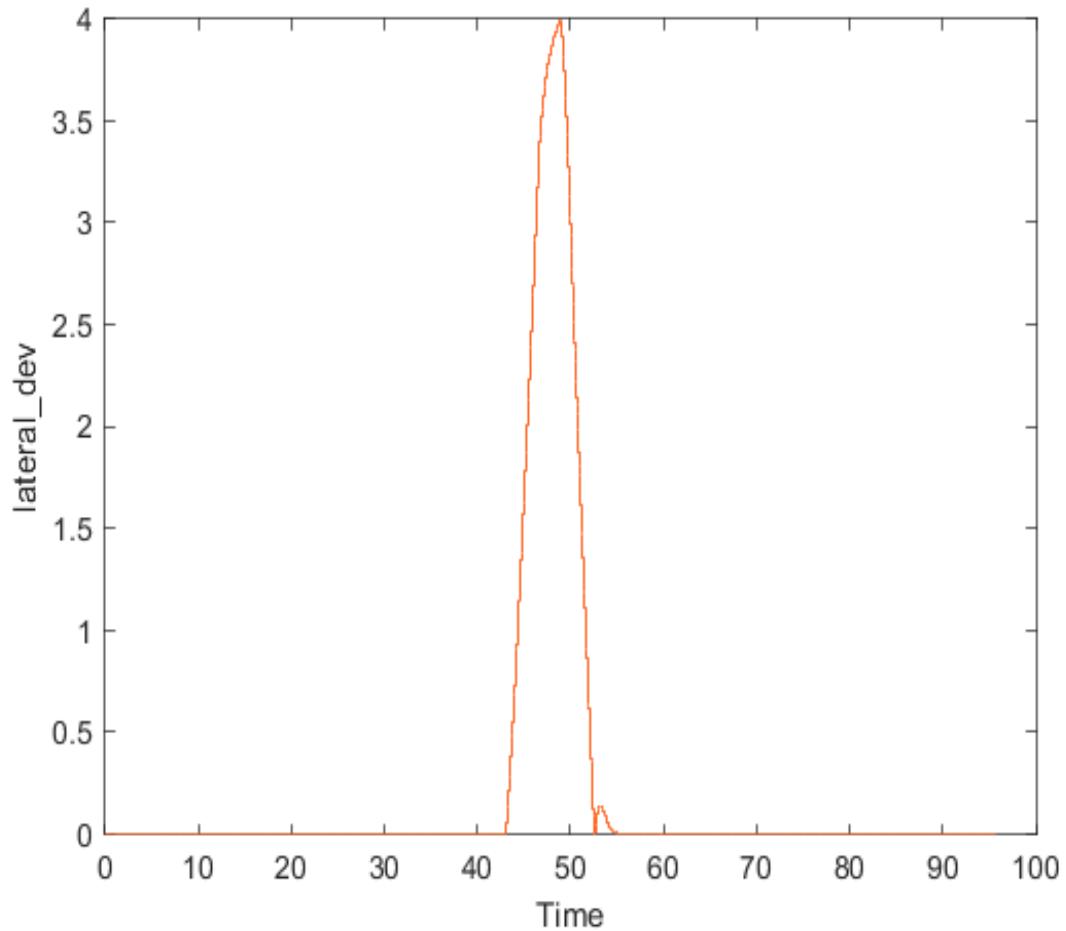
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 45° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

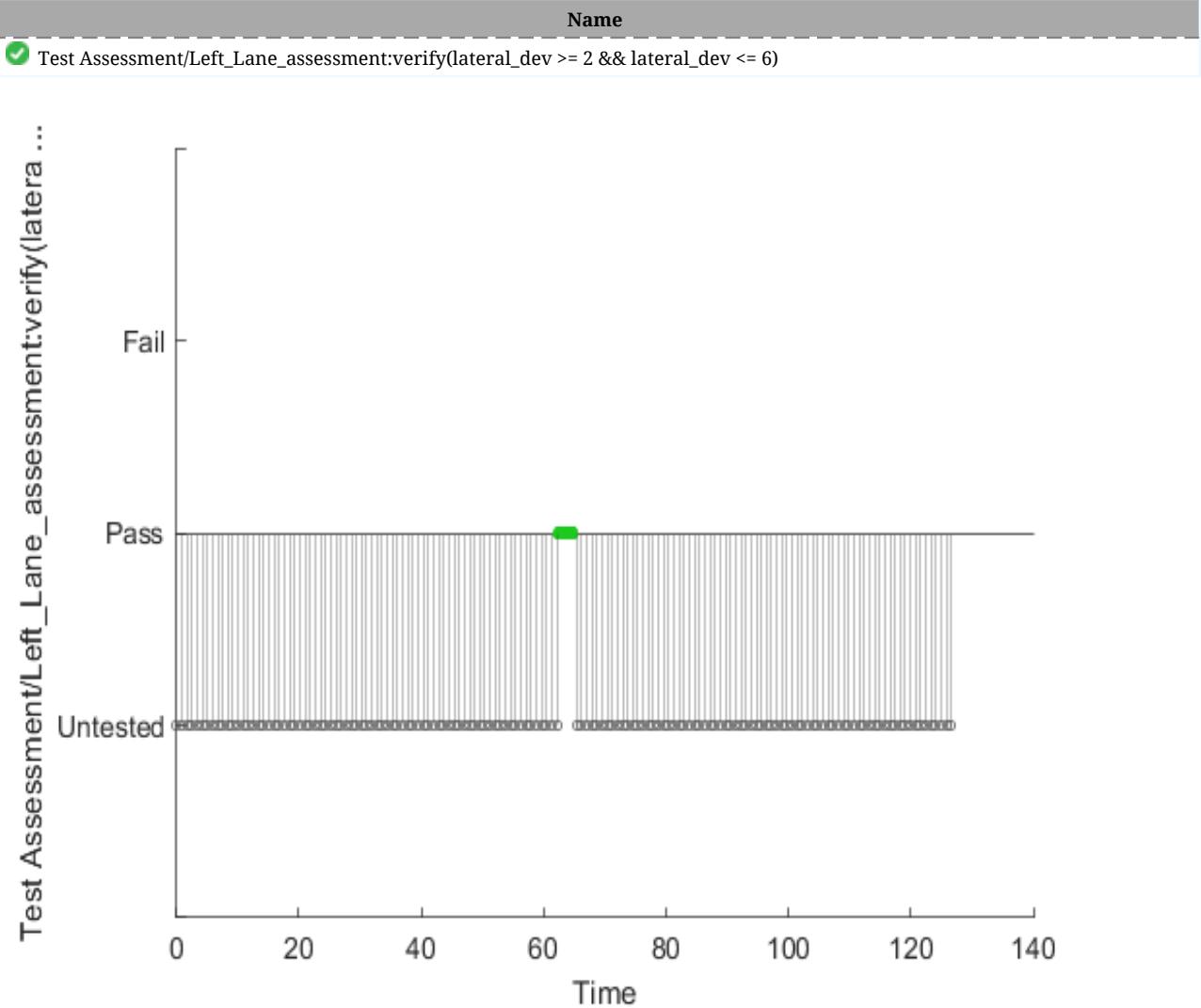
Start Time: 19-May-2021 21:41:16  
End Time: 19-May-2021 21:41:31  
Outcome: Passed

## Test Case Information

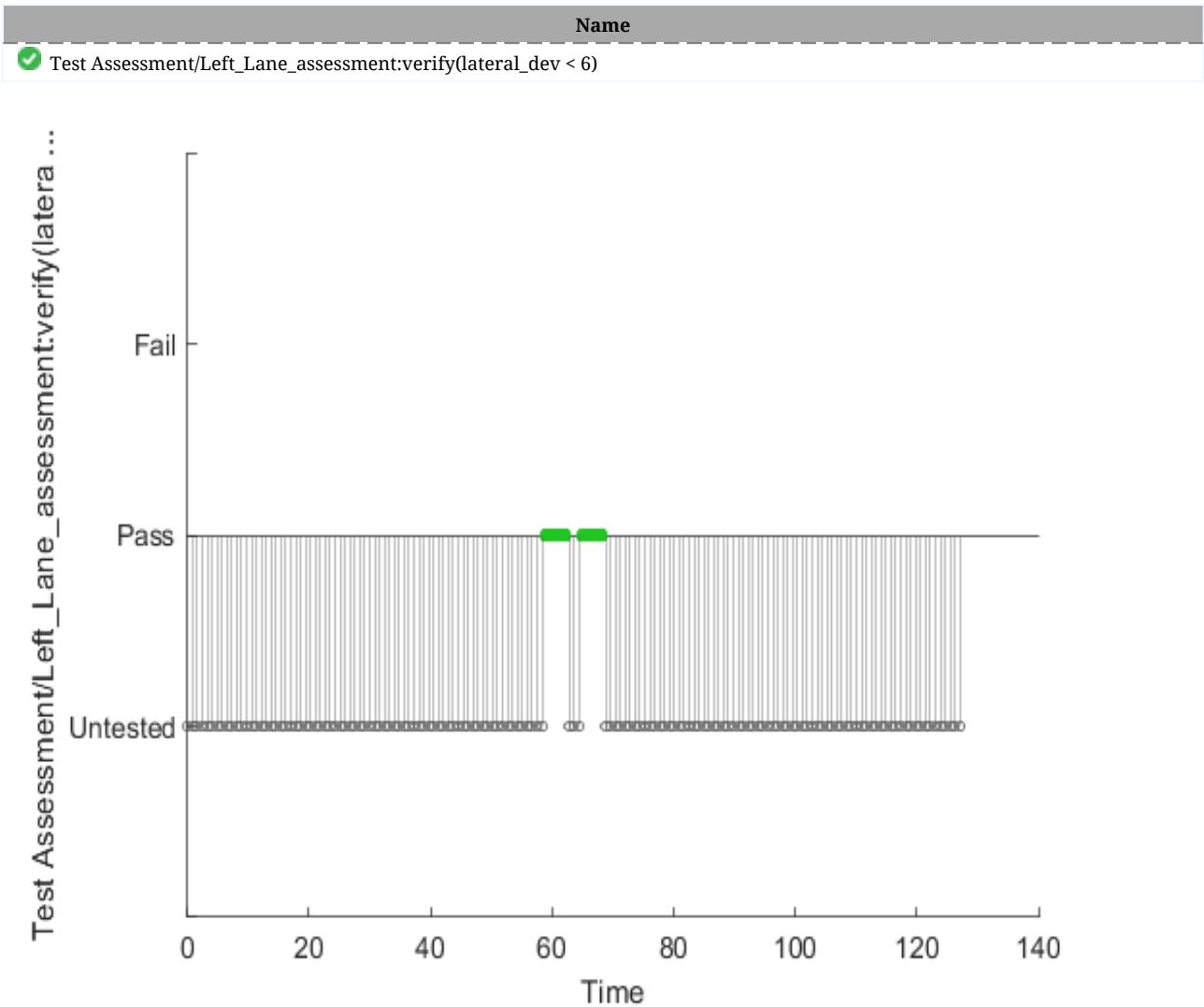
Name: 45° 40km/h  
Type: Simulation Test

## Verify Result

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



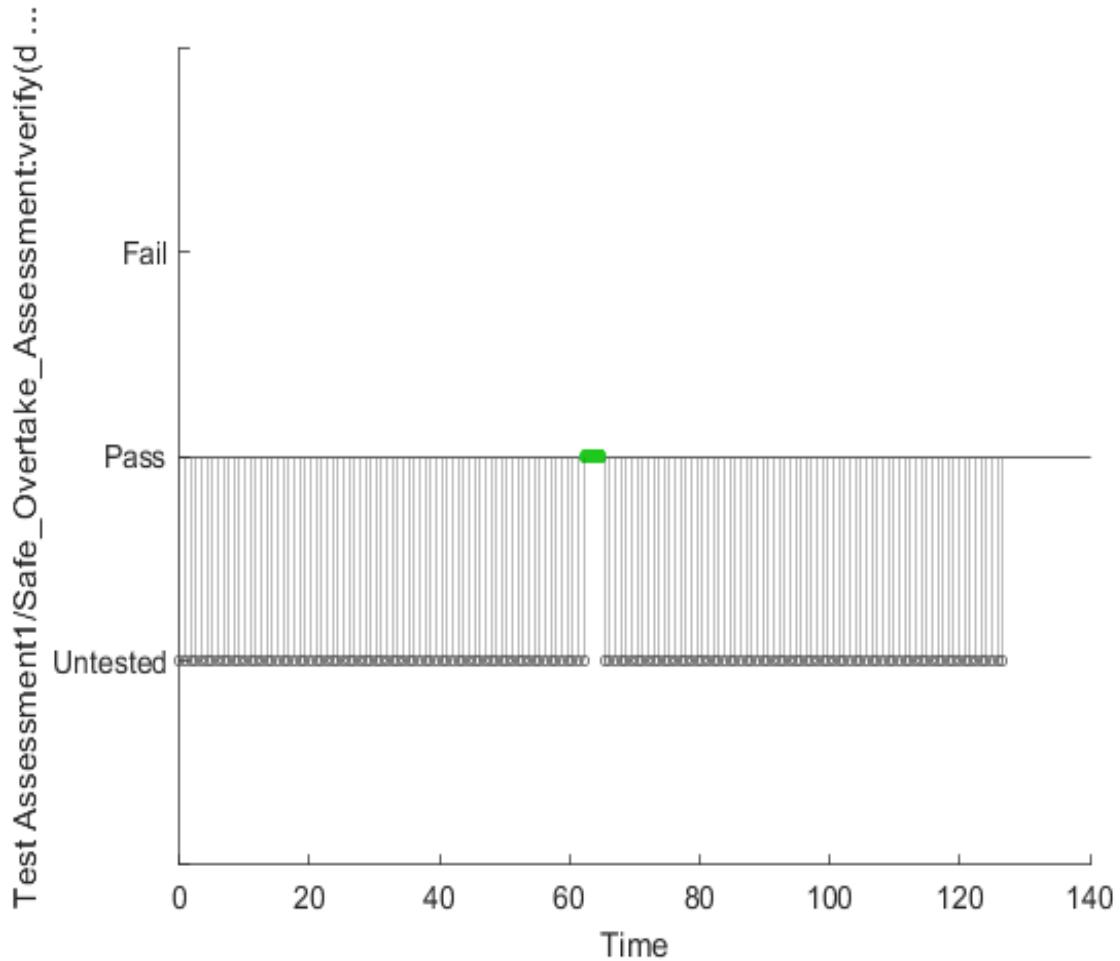
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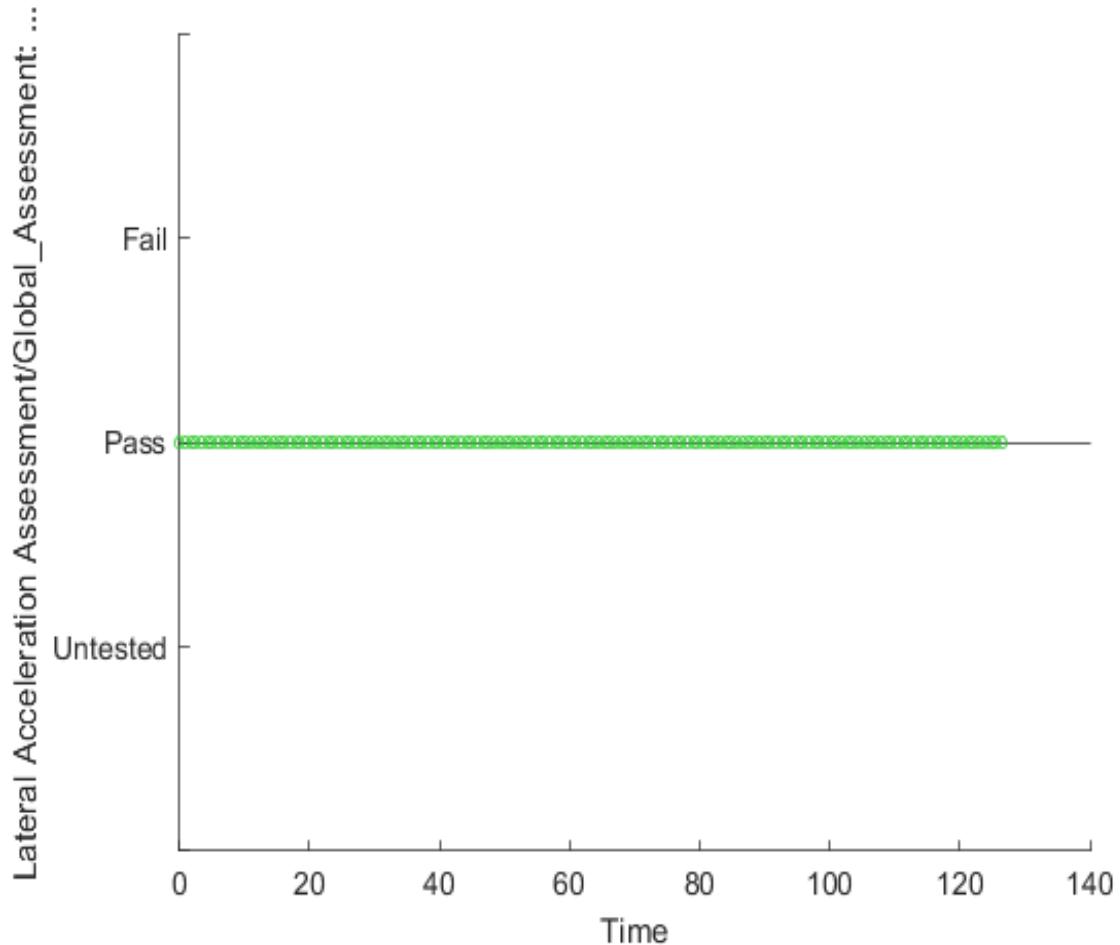
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

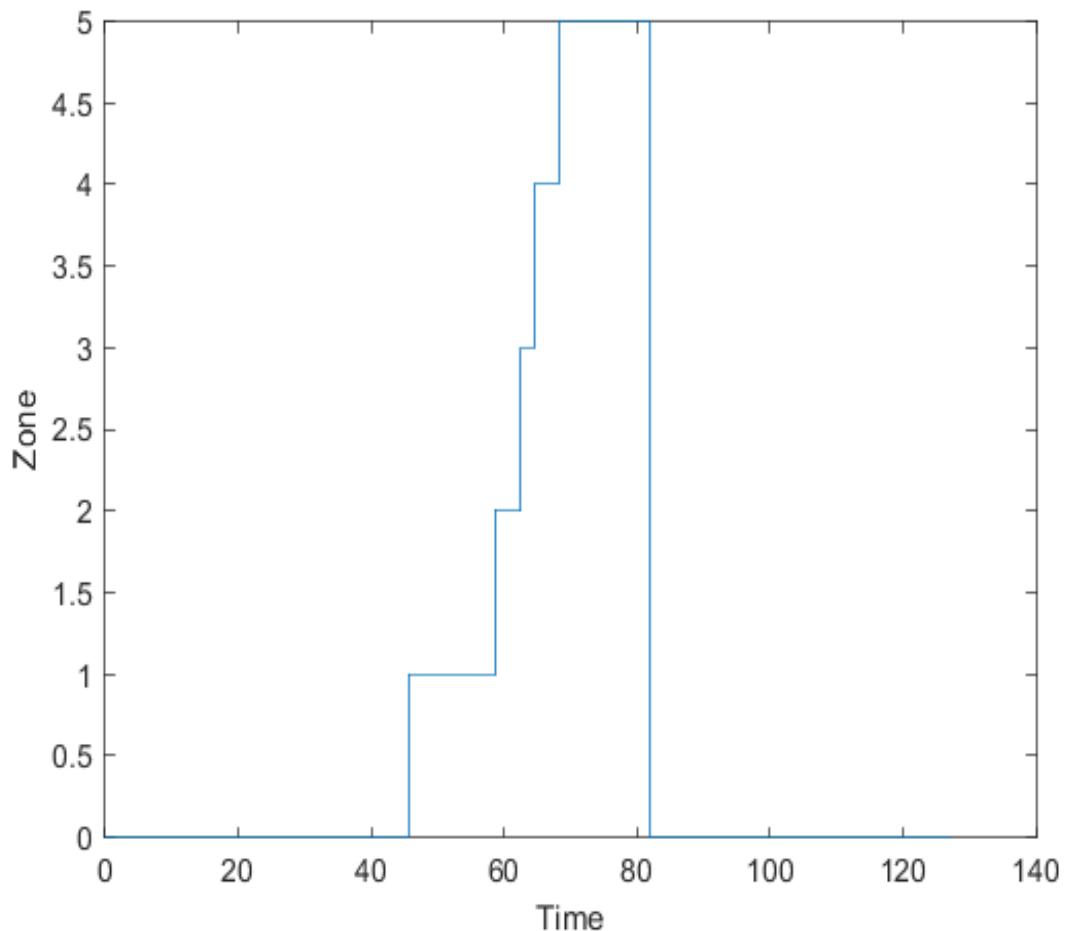
Start Time: 0  
Stop Time: 127.27922061357856  
Checksum: 1075694502 1601658798 3666871698 1970155479

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

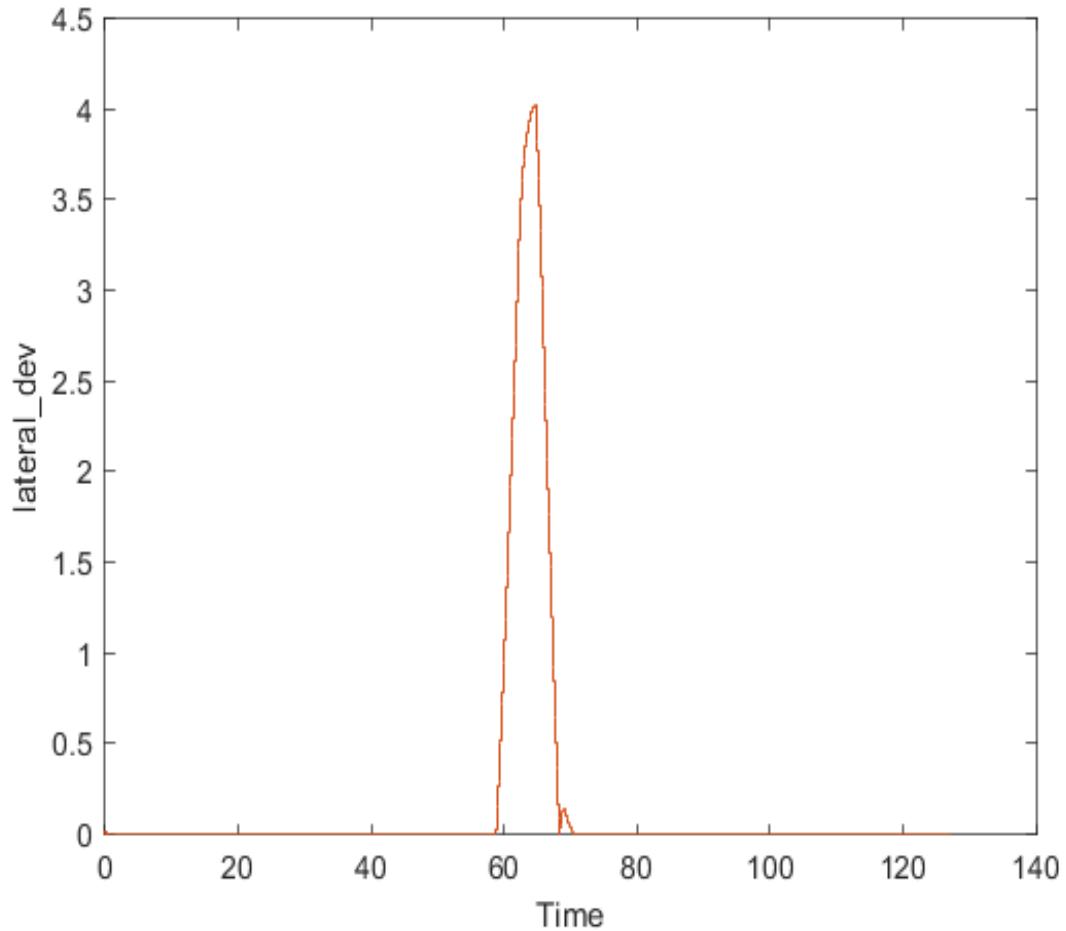
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 70° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:41:31  
End Time: 19-May-2021 21:42:03  
Outcome: Passed

## Test Case Information

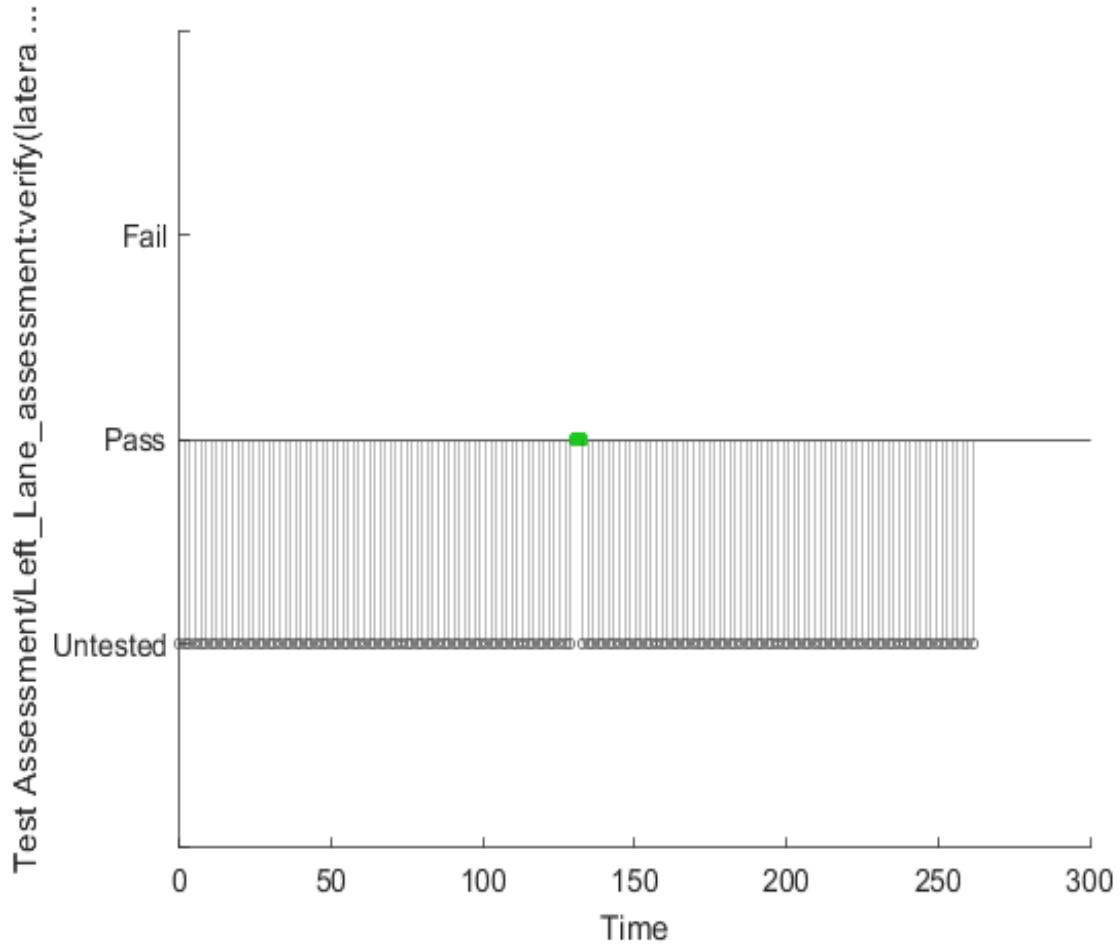
Name: 70° 40km/h  
Type: Simulation Test

## Verify Result

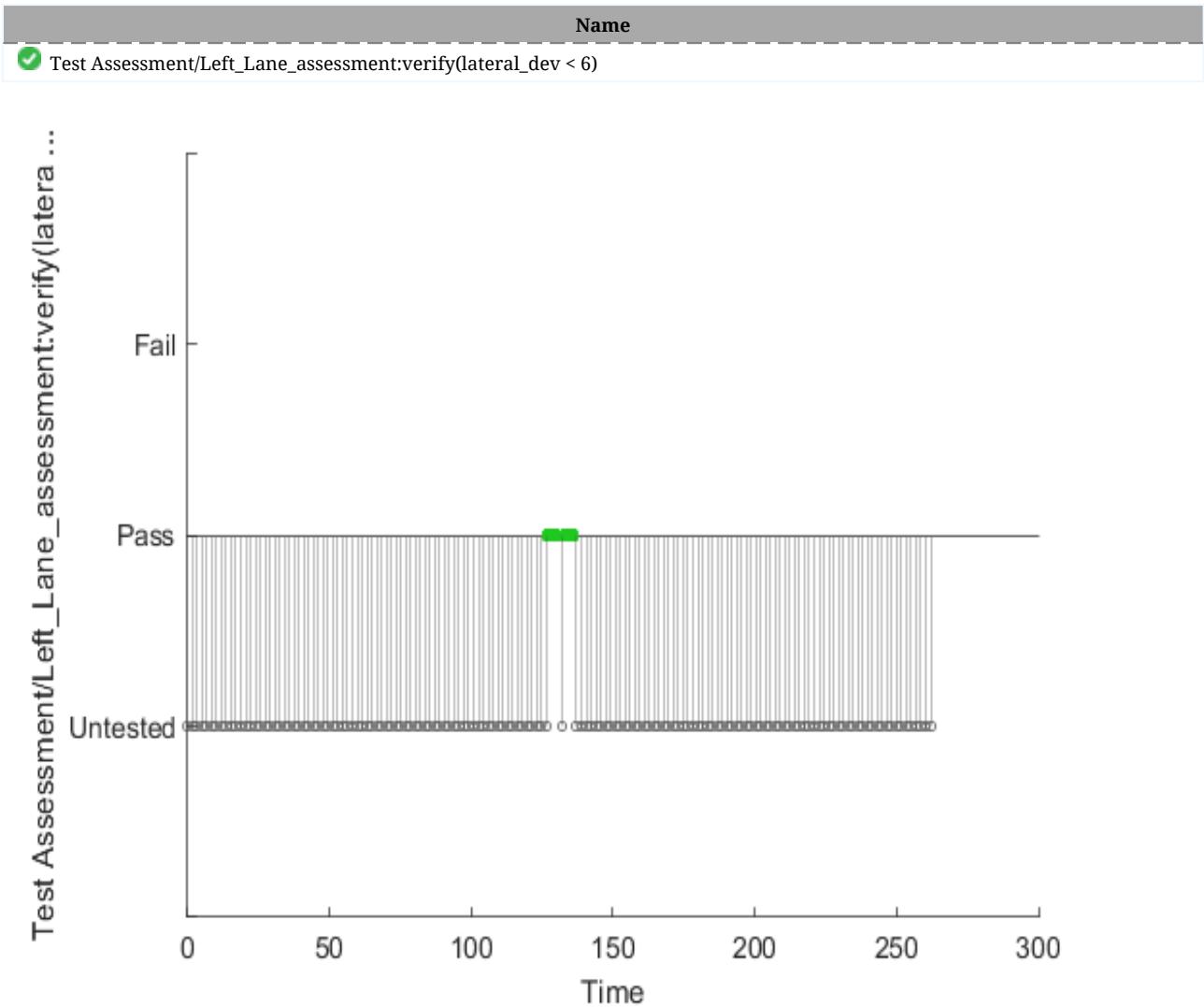
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



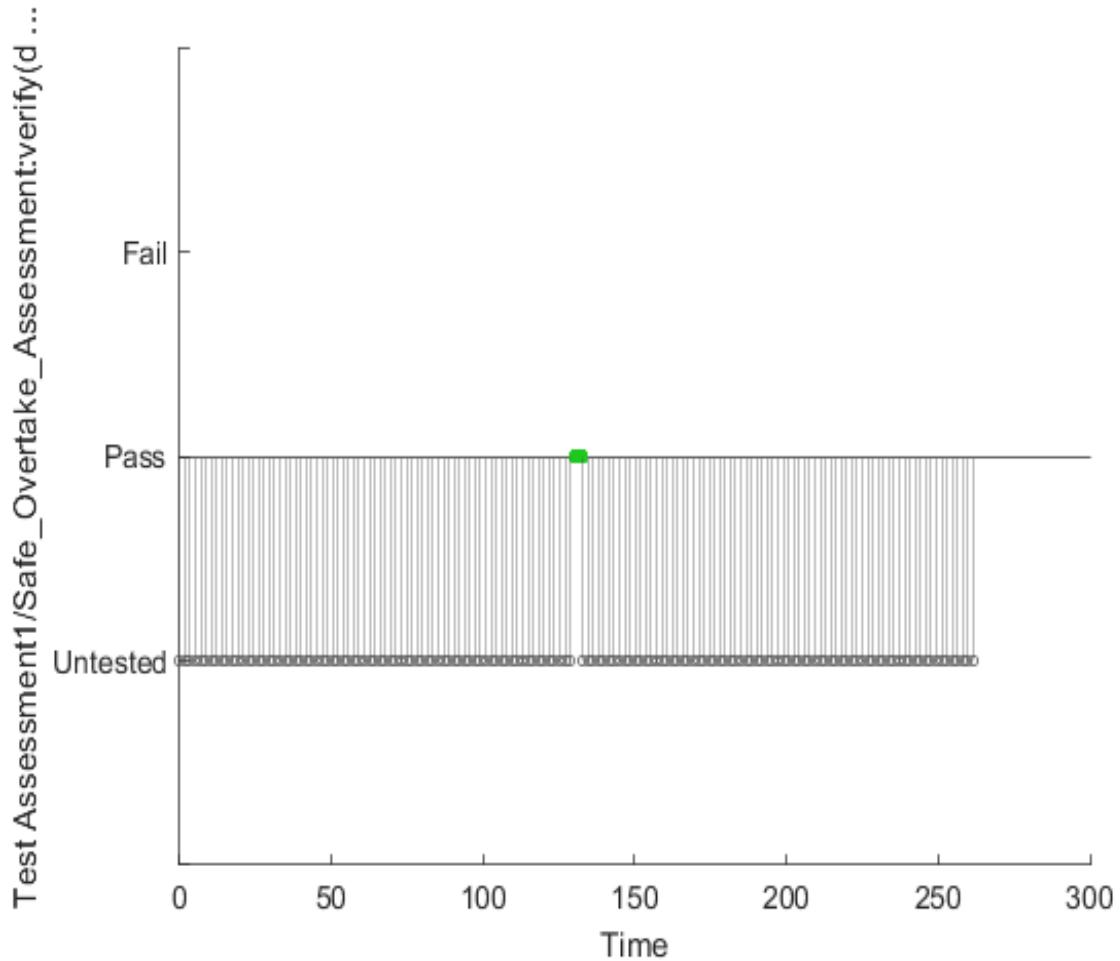
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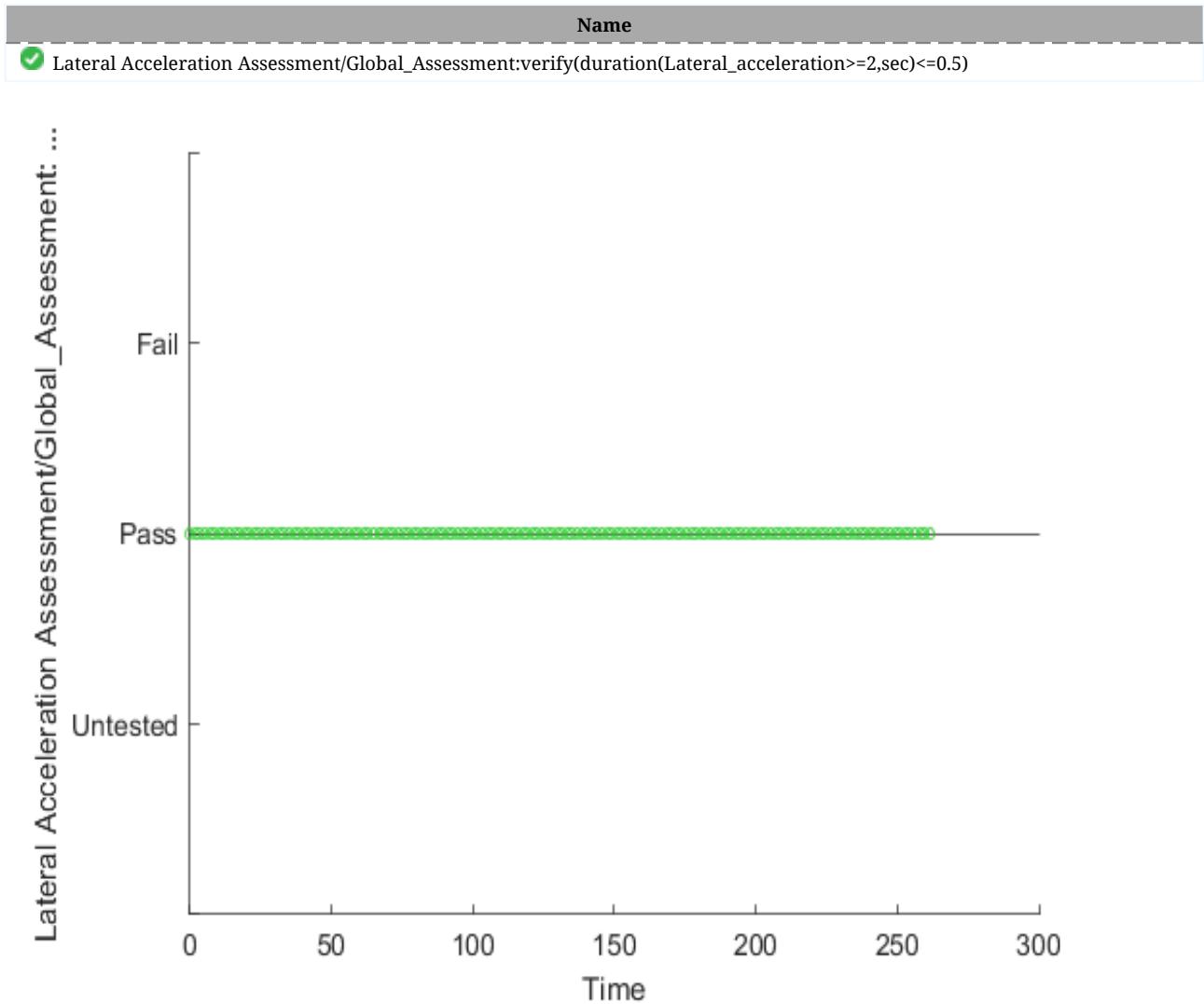
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

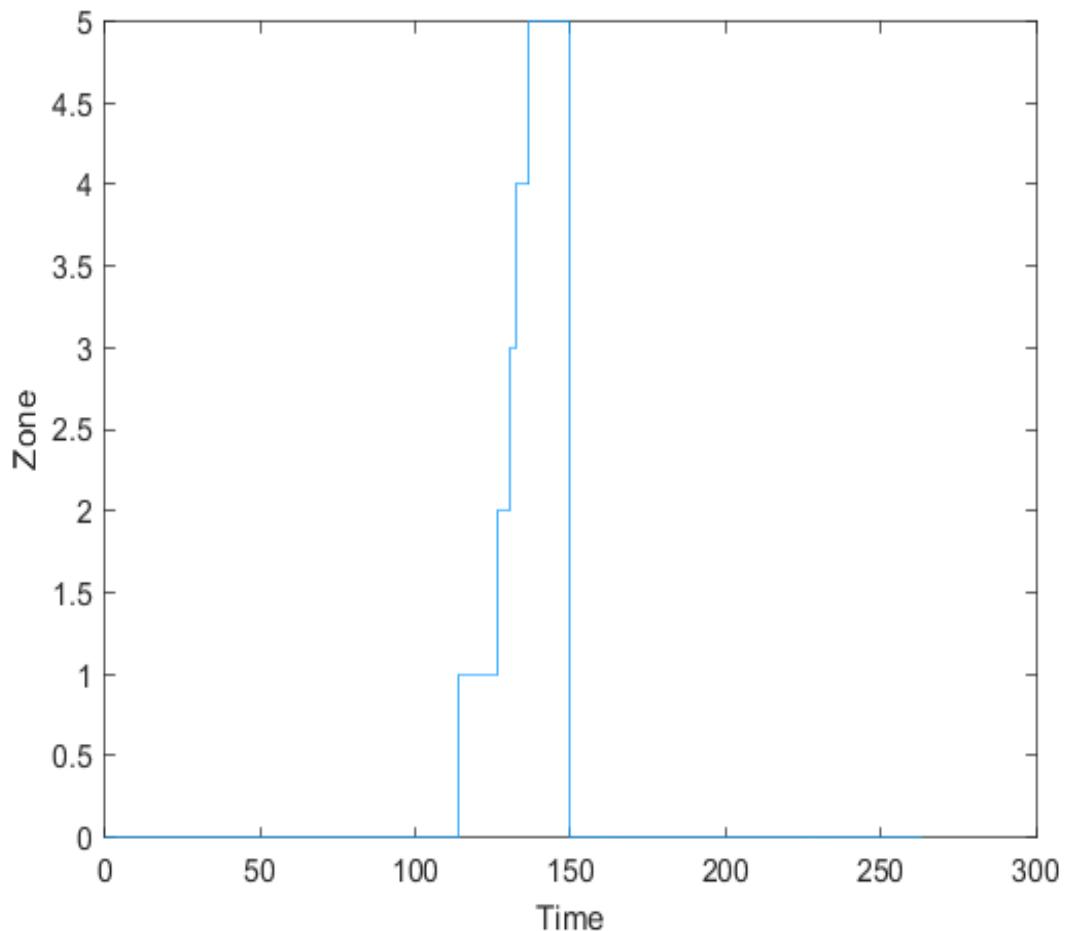
Start Time: 0  
Stop Time: 263.10201994663595  
Checksum: 2186892012 324113532 3066643177 1490285728

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

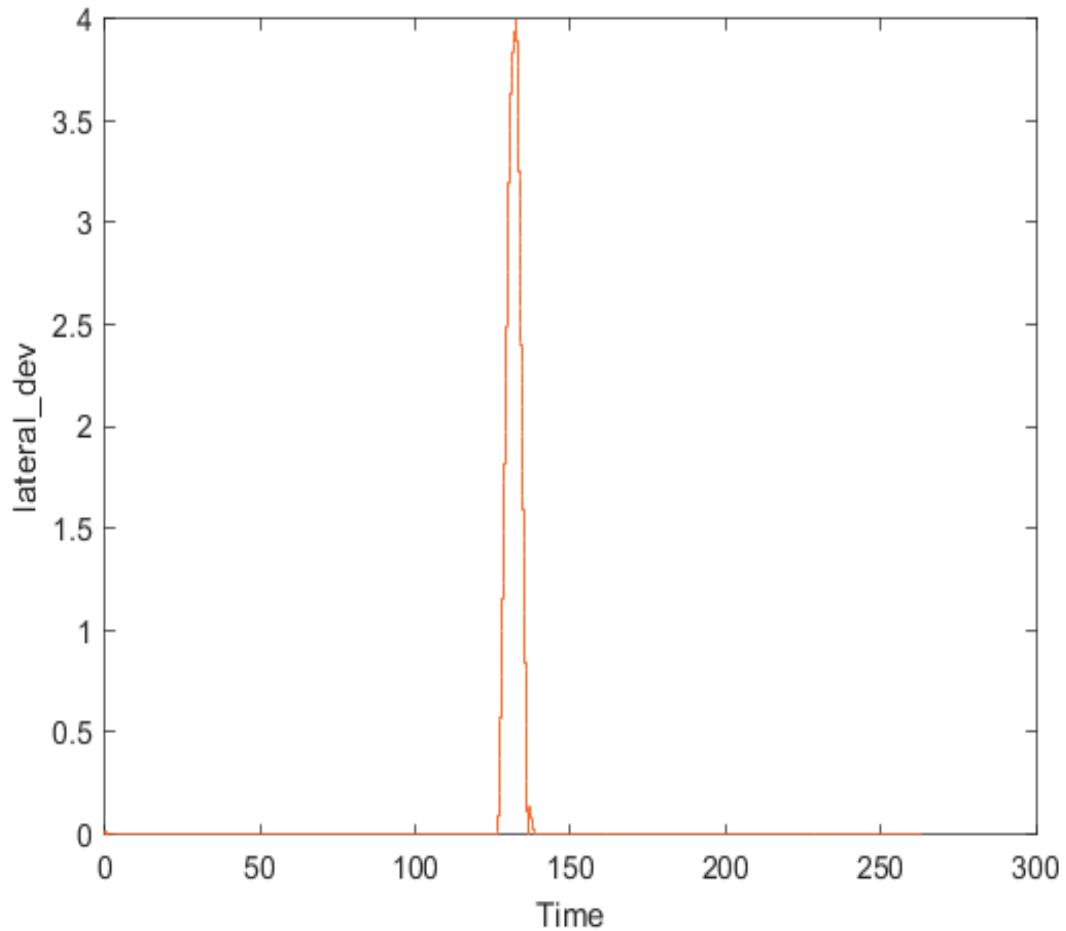
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 90° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:42:03  
End Time: 19-May-2021 21:42:12  
Outcome: Passed

## Test Case Information

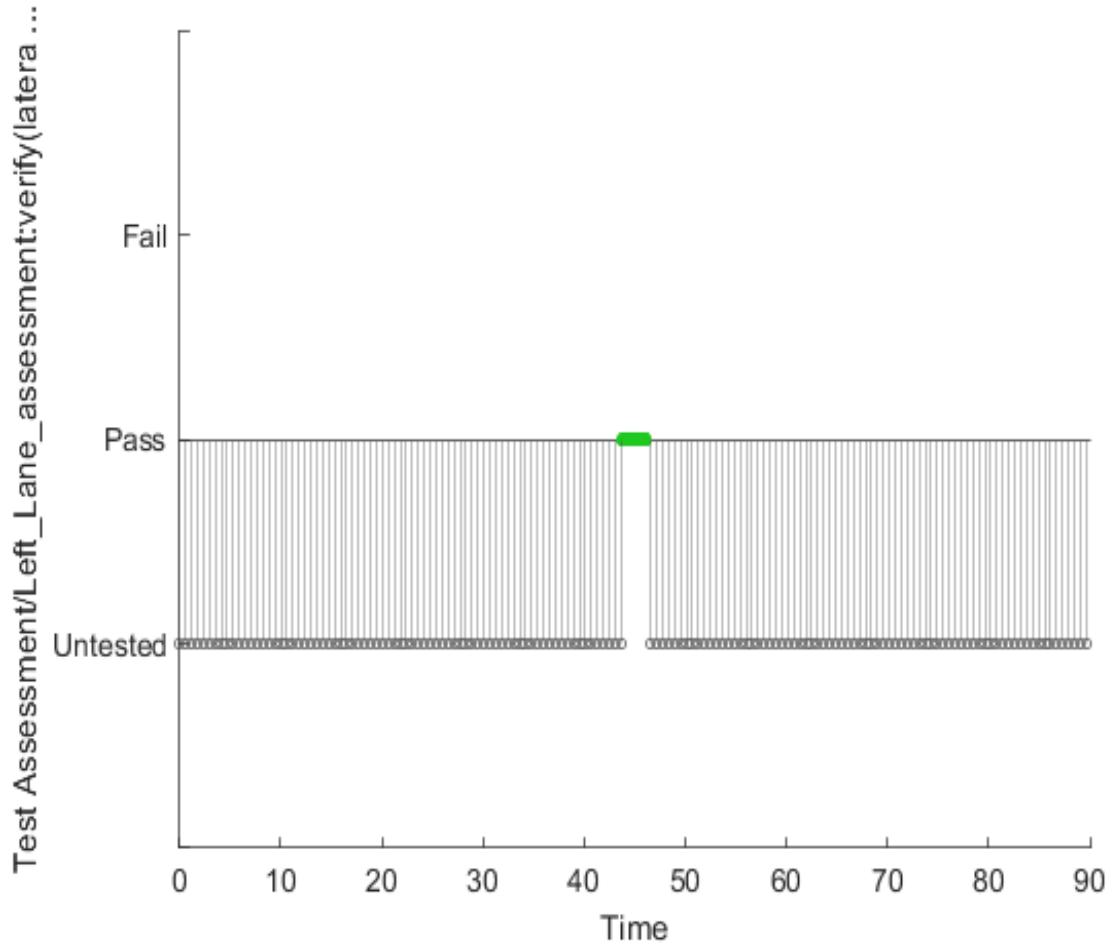
Name: 90° 40km/h  
Type: Simulation Test

## Verify Result

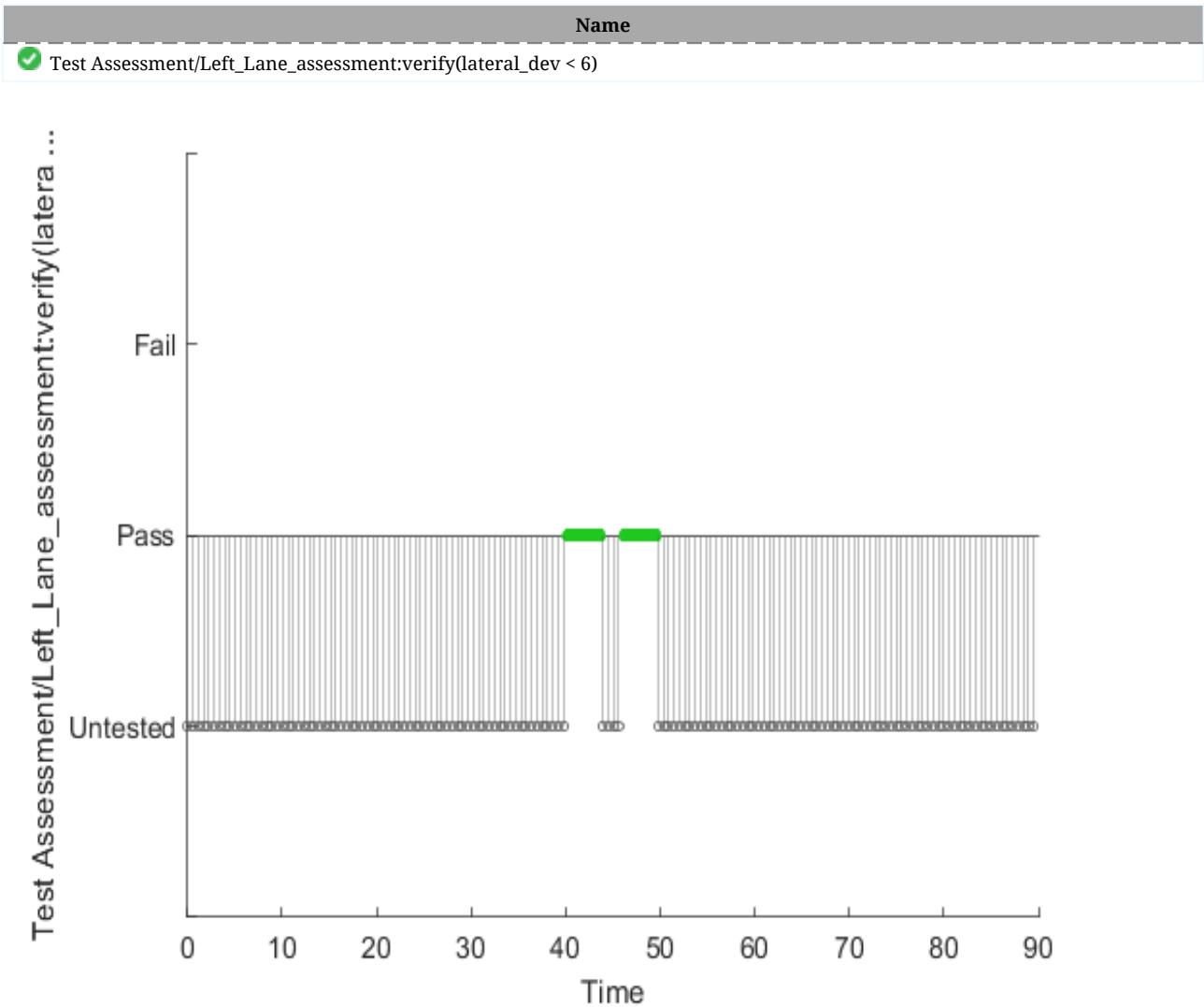
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



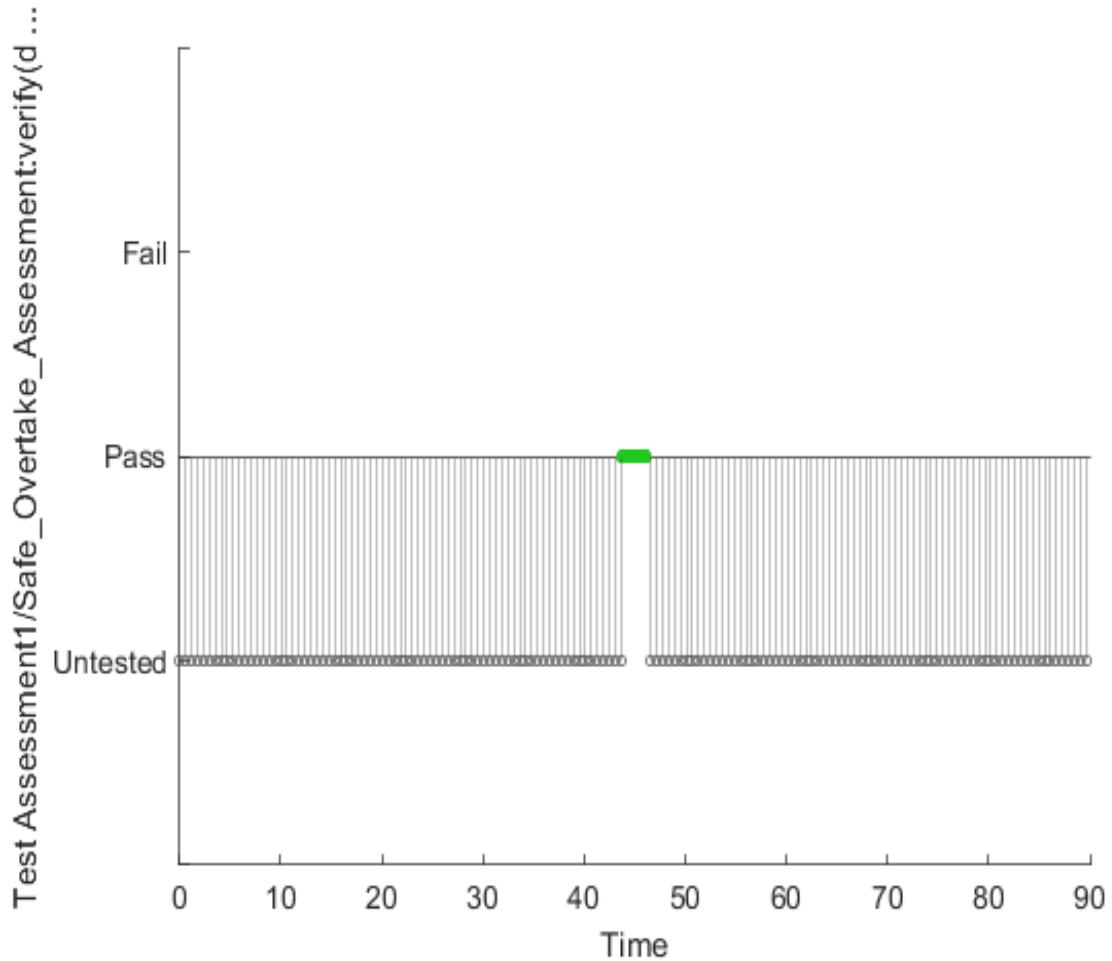
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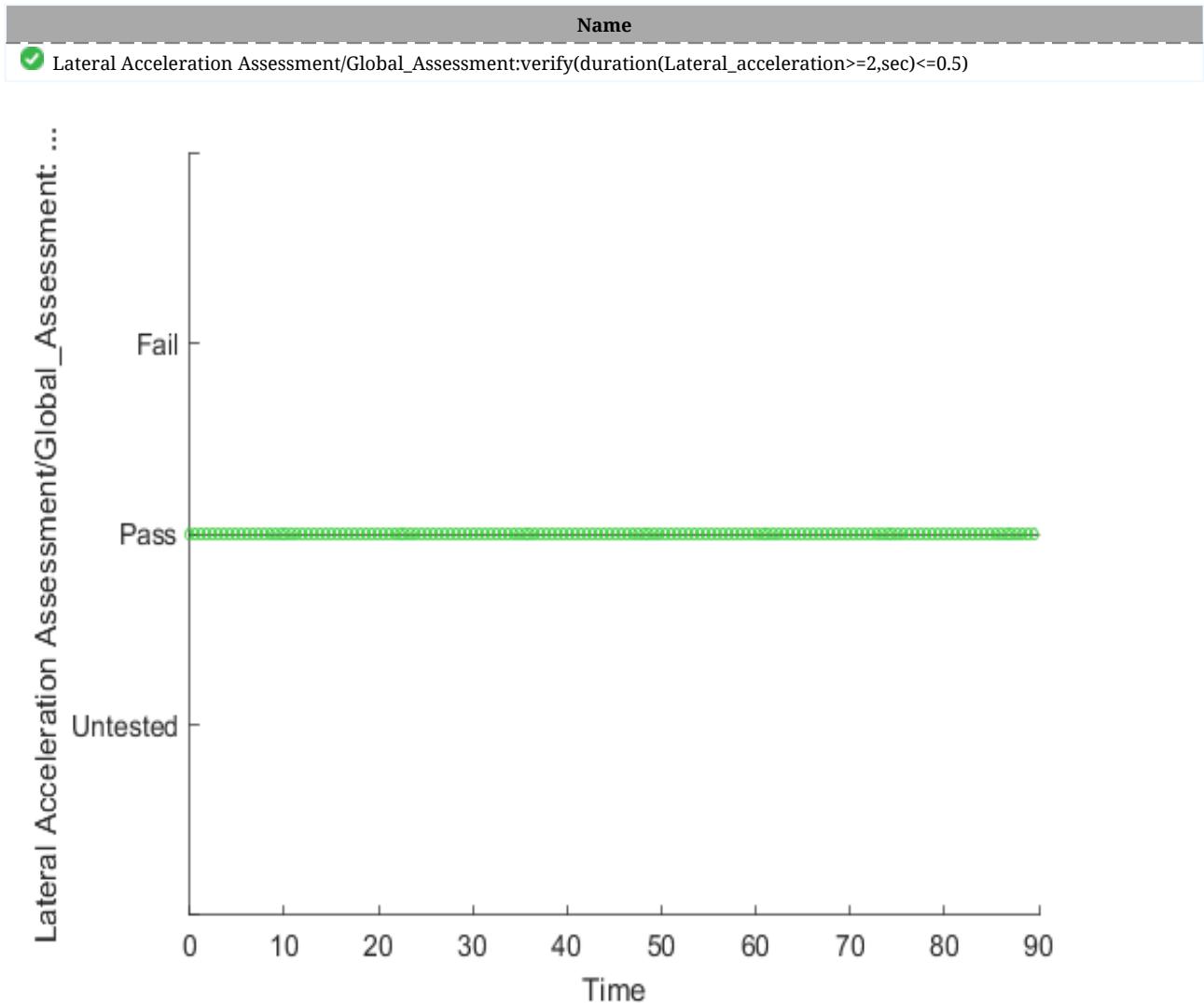
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

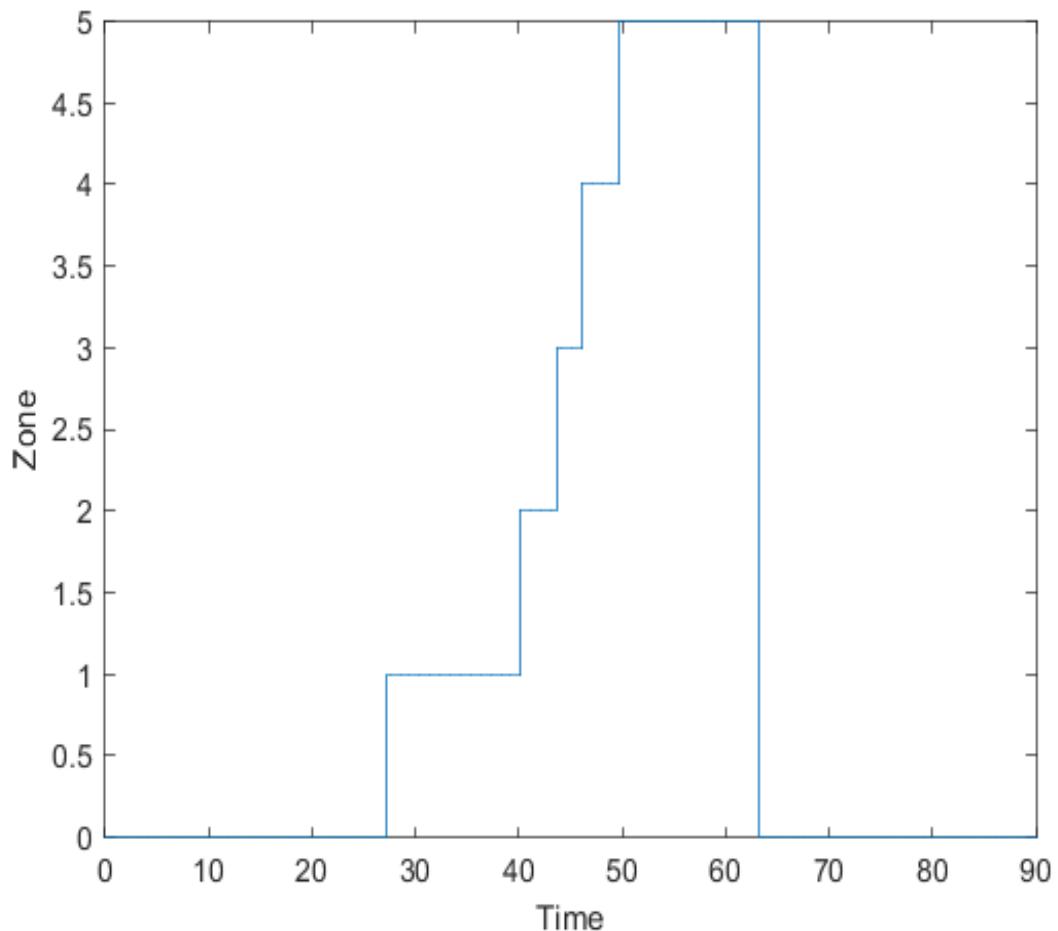
Start Time: 0  
Stop Time: 90  
Checksum: 1925944679 404321607 95742990 3079759977

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

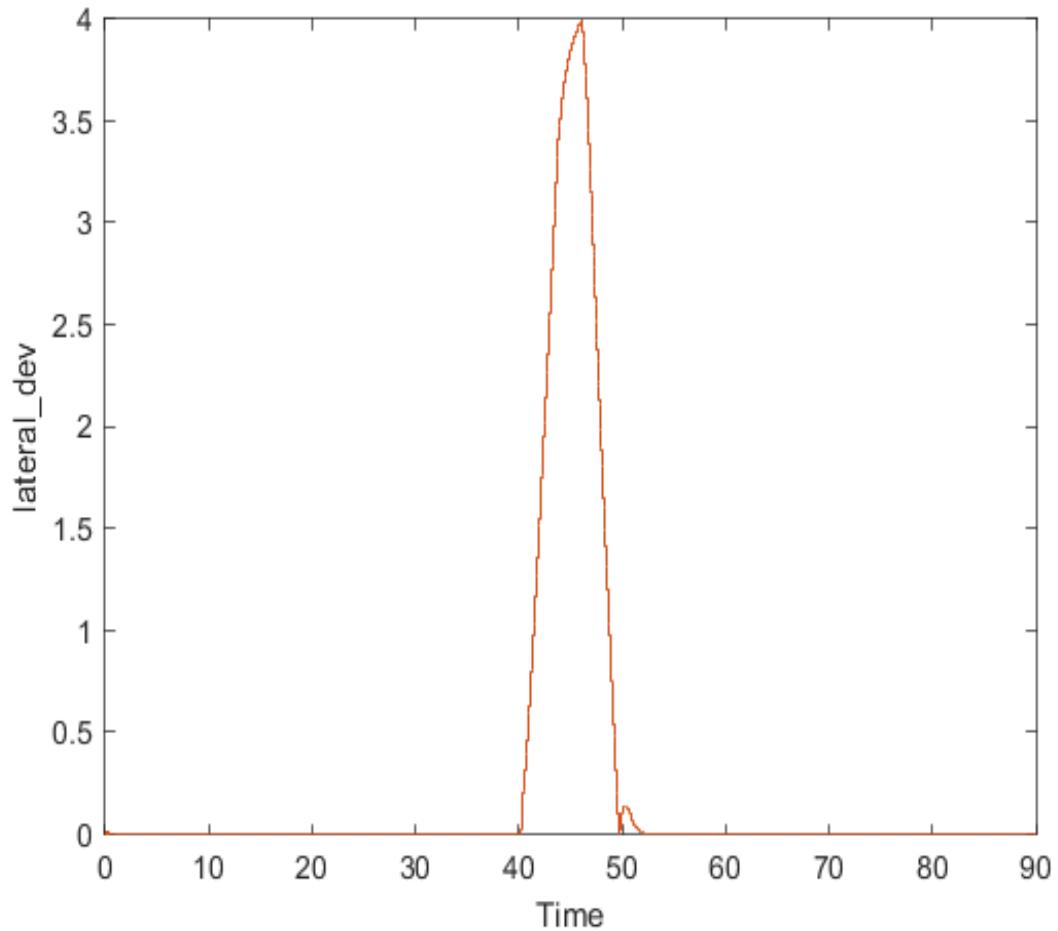
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 110° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:42:12  
End Time: 19-May-2021 21:42:22  
Outcome: Passed

## Test Case Information

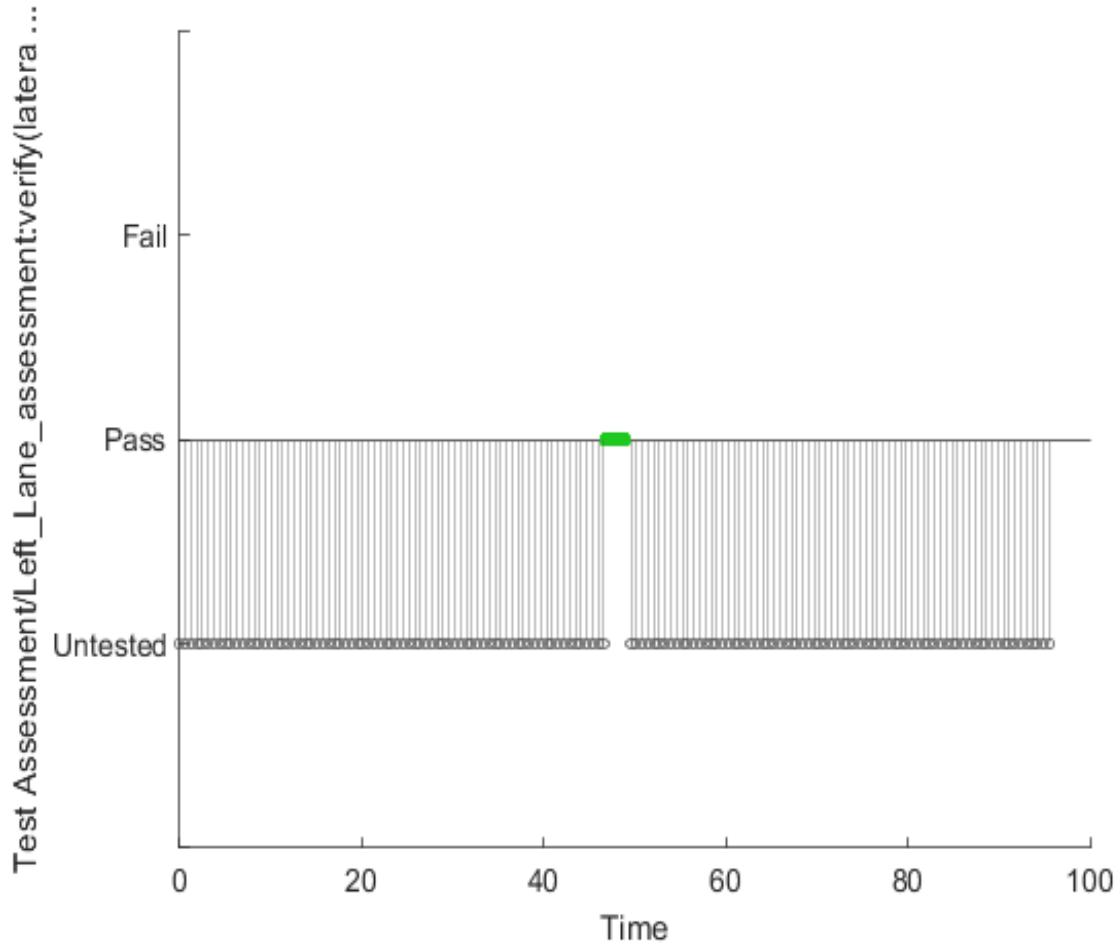
Name: 110° 40km/h  
Type: Simulation Test

## Verify Result

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

Name

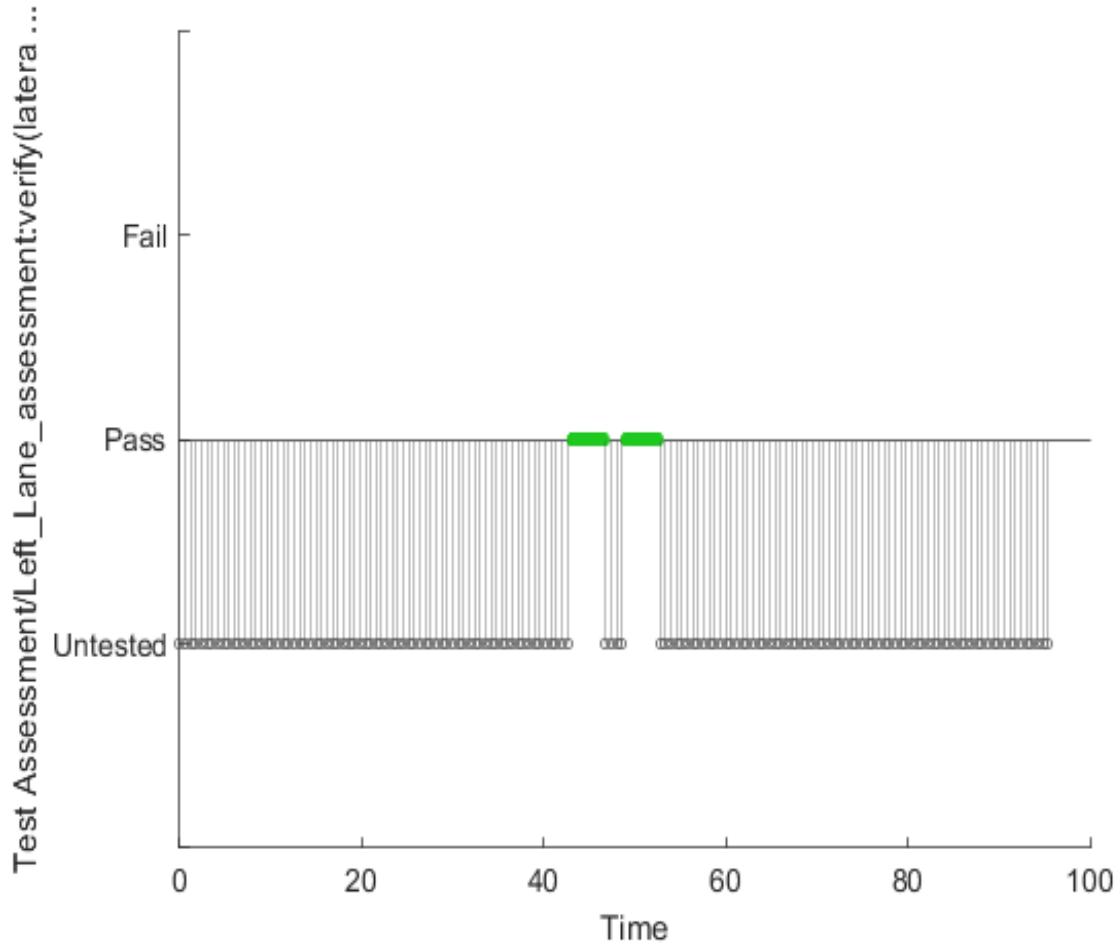
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

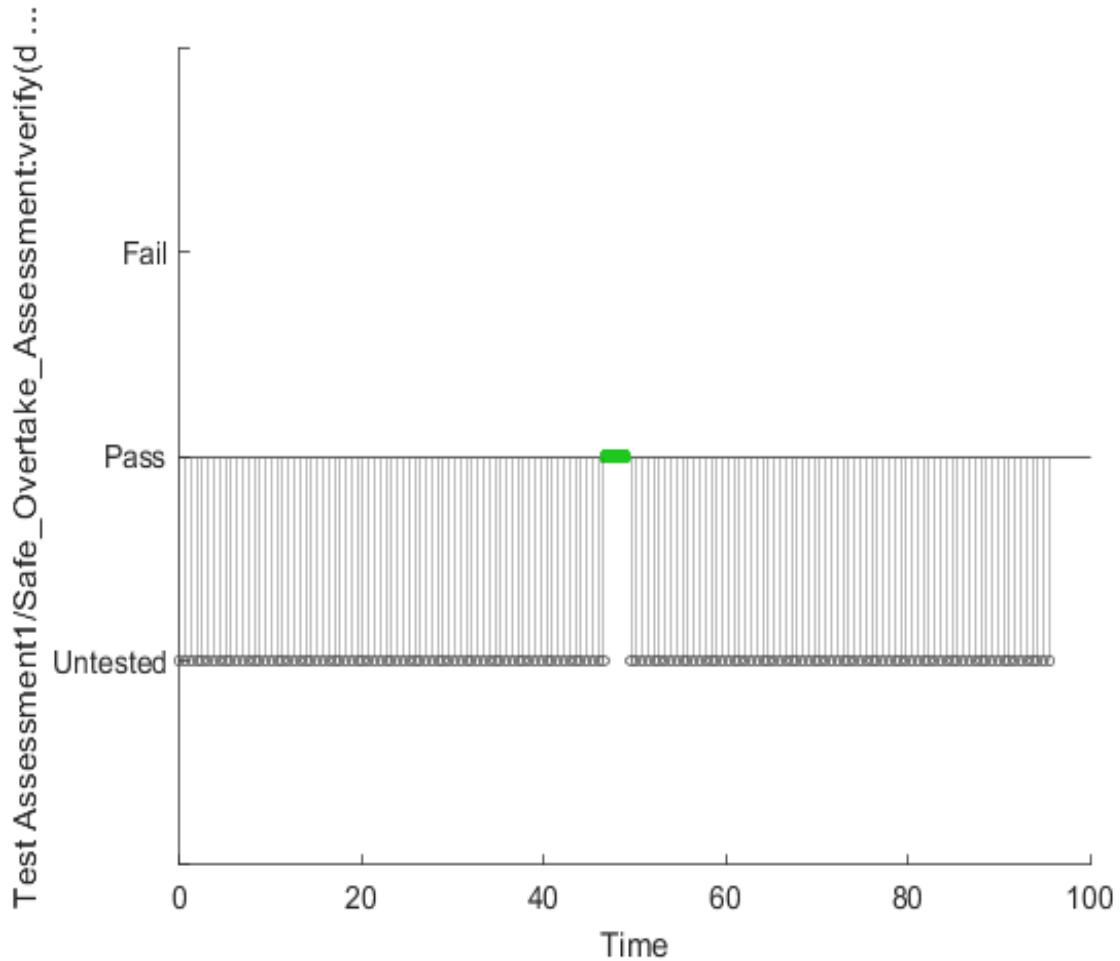
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



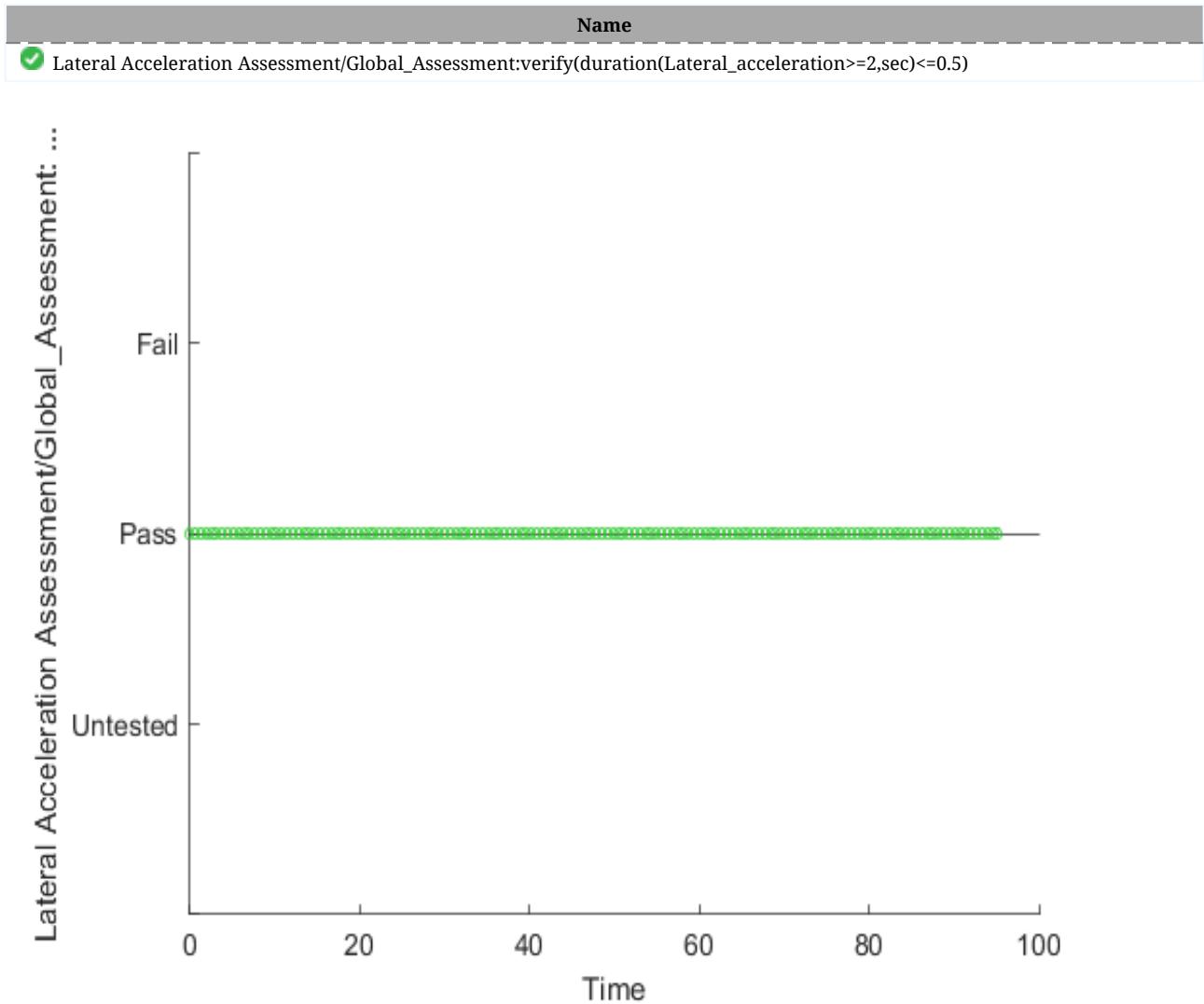
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

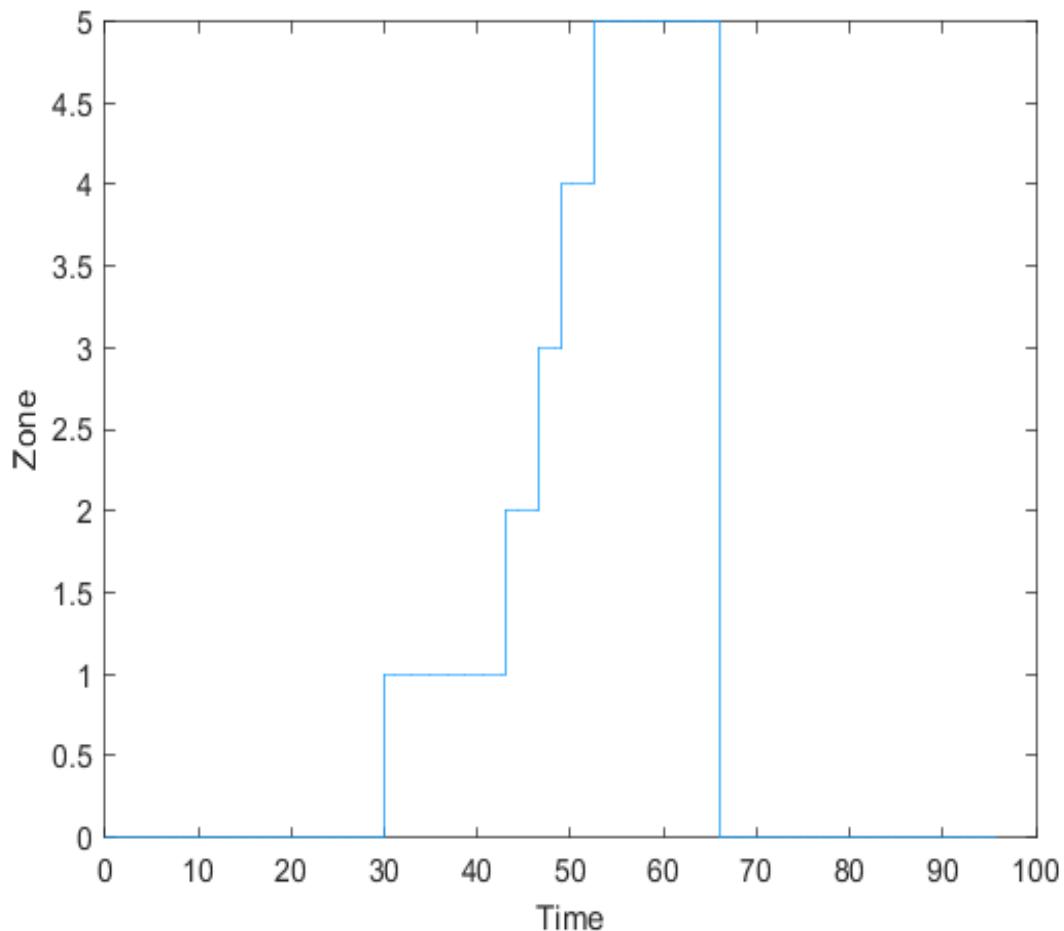
Start Time: 0  
Stop Time: 95.77691579916322  
Checksum: 3732168733 1931266132 1495074700 1168616824

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

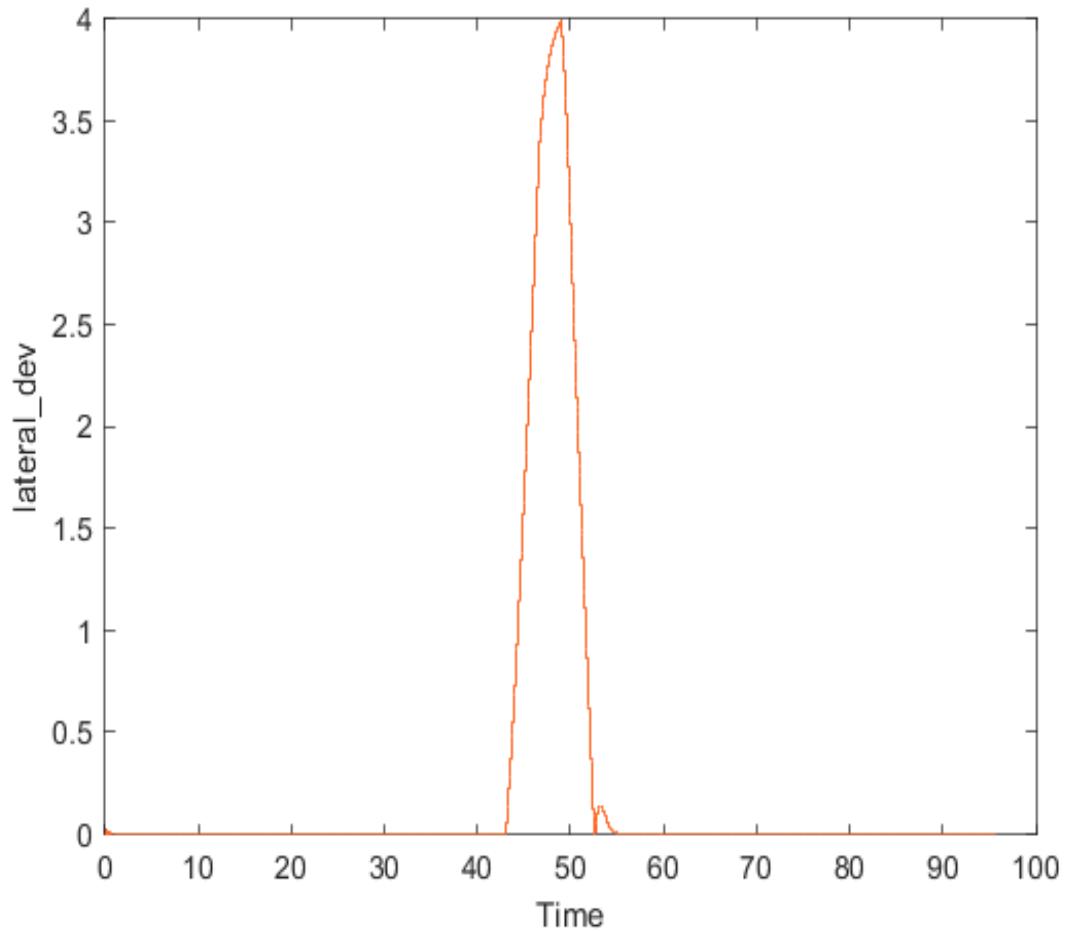
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 135° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

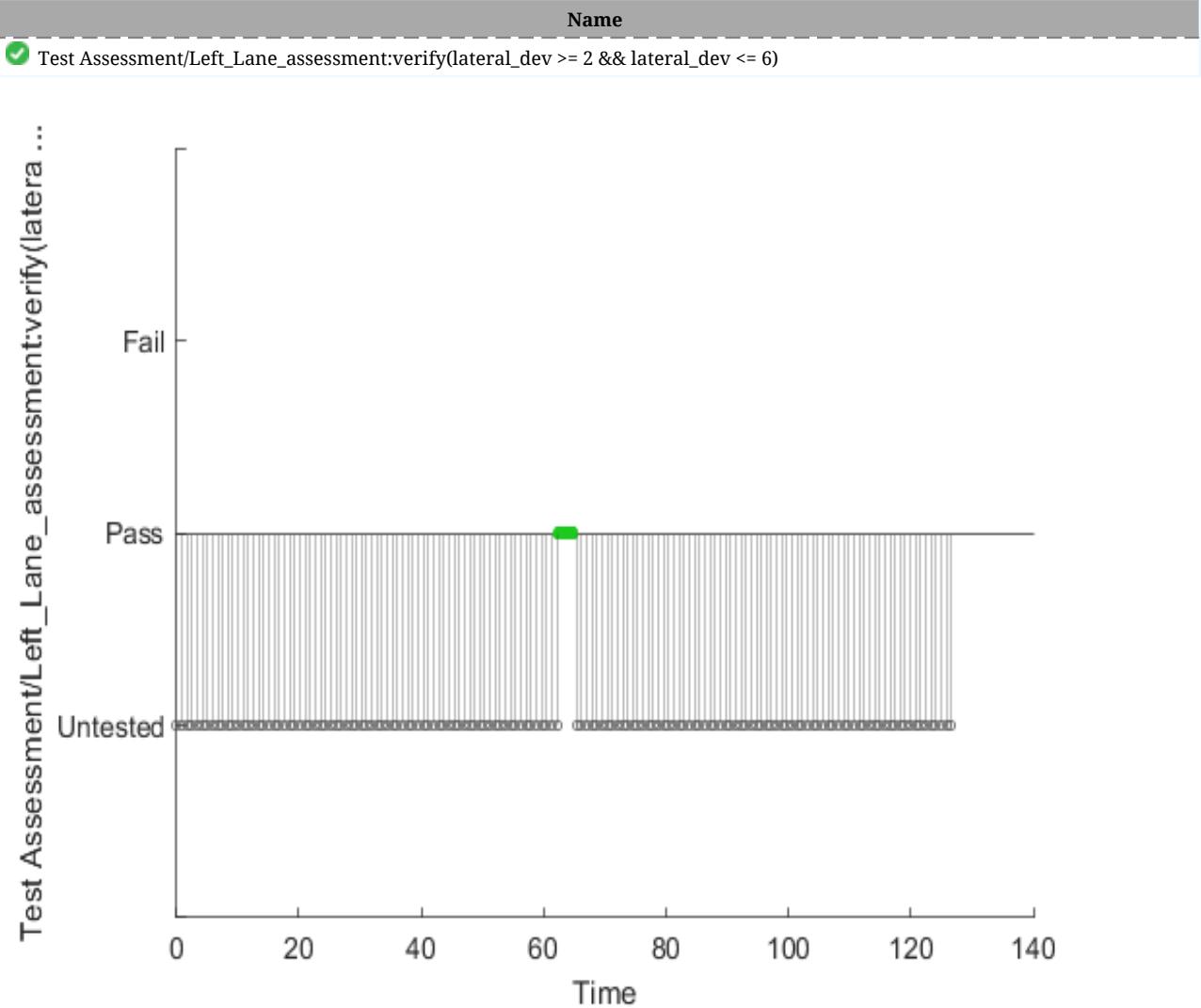
Start Time: 19-May-2021 21:42:22  
End Time: 19-May-2021 21:42:34  
Outcome: Passed

## Test Case Information

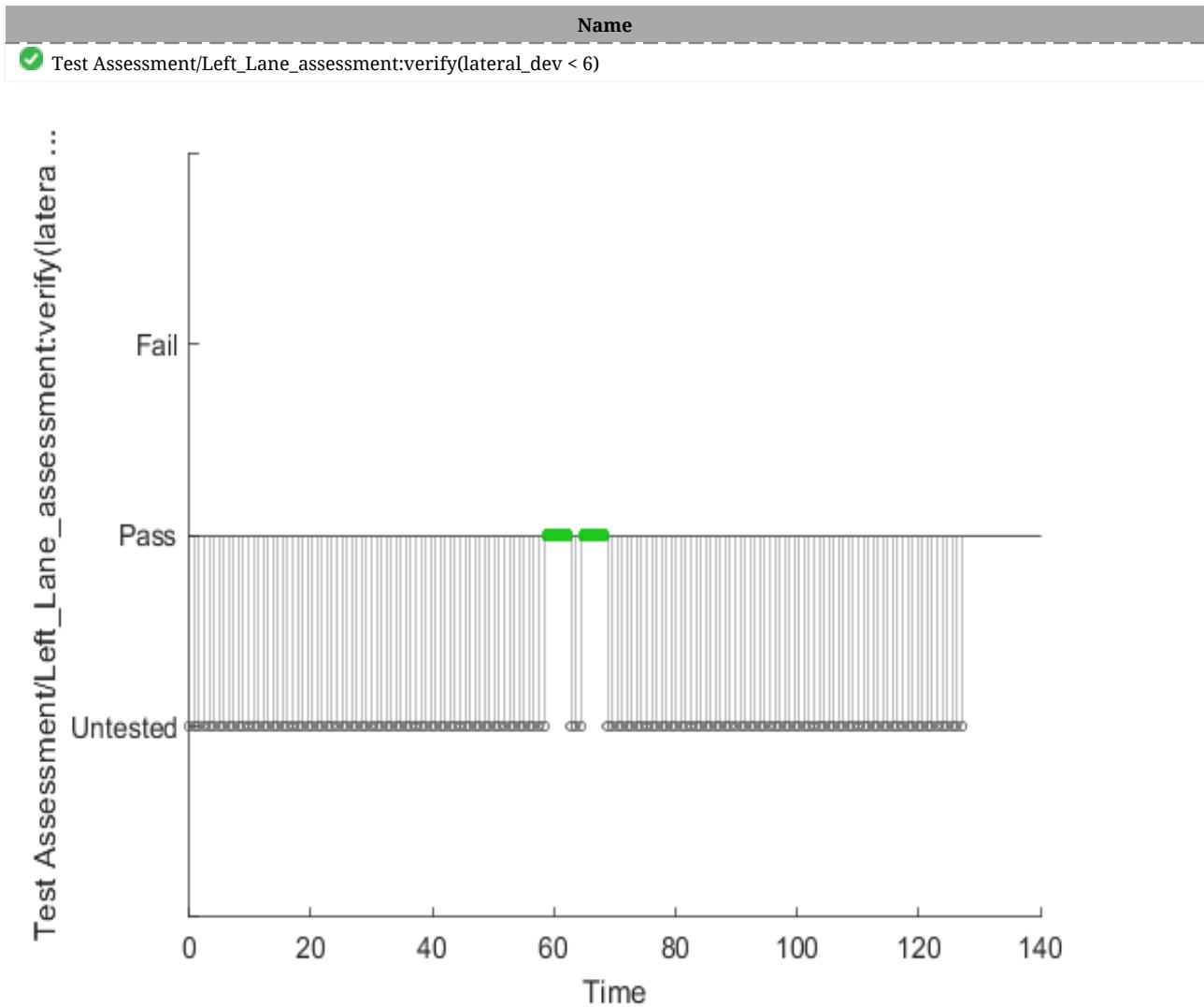
Name: 135° 40km/h  
Type: Simulation Test

## Verify Result

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



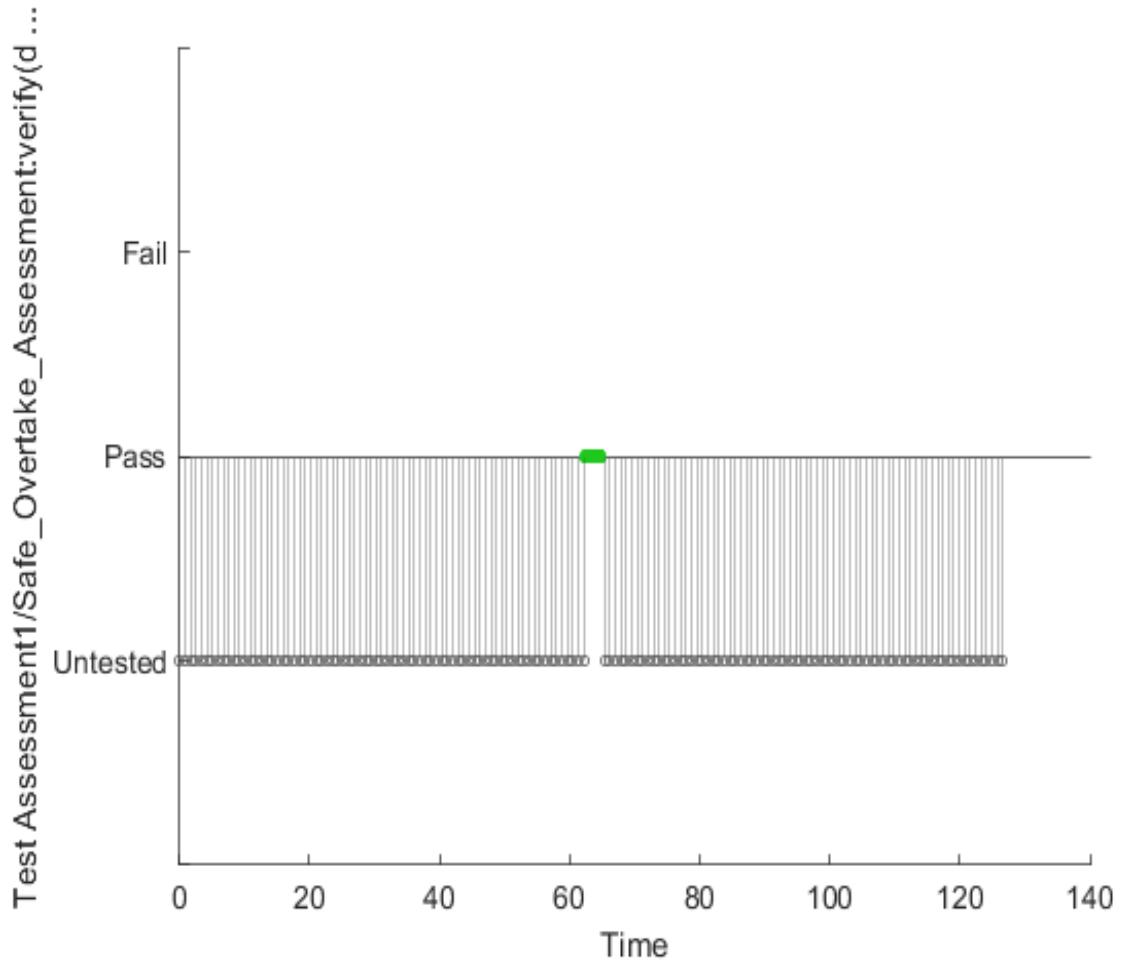
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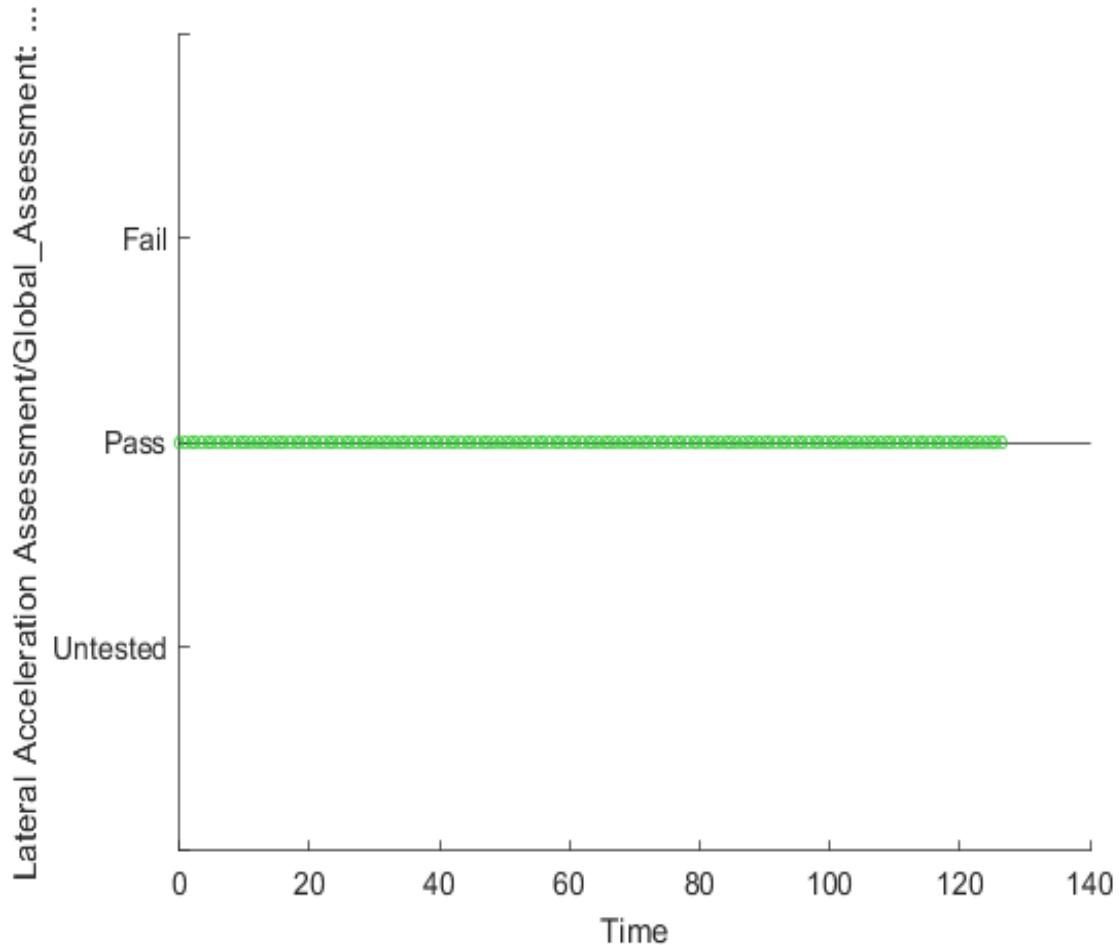
**Name**

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

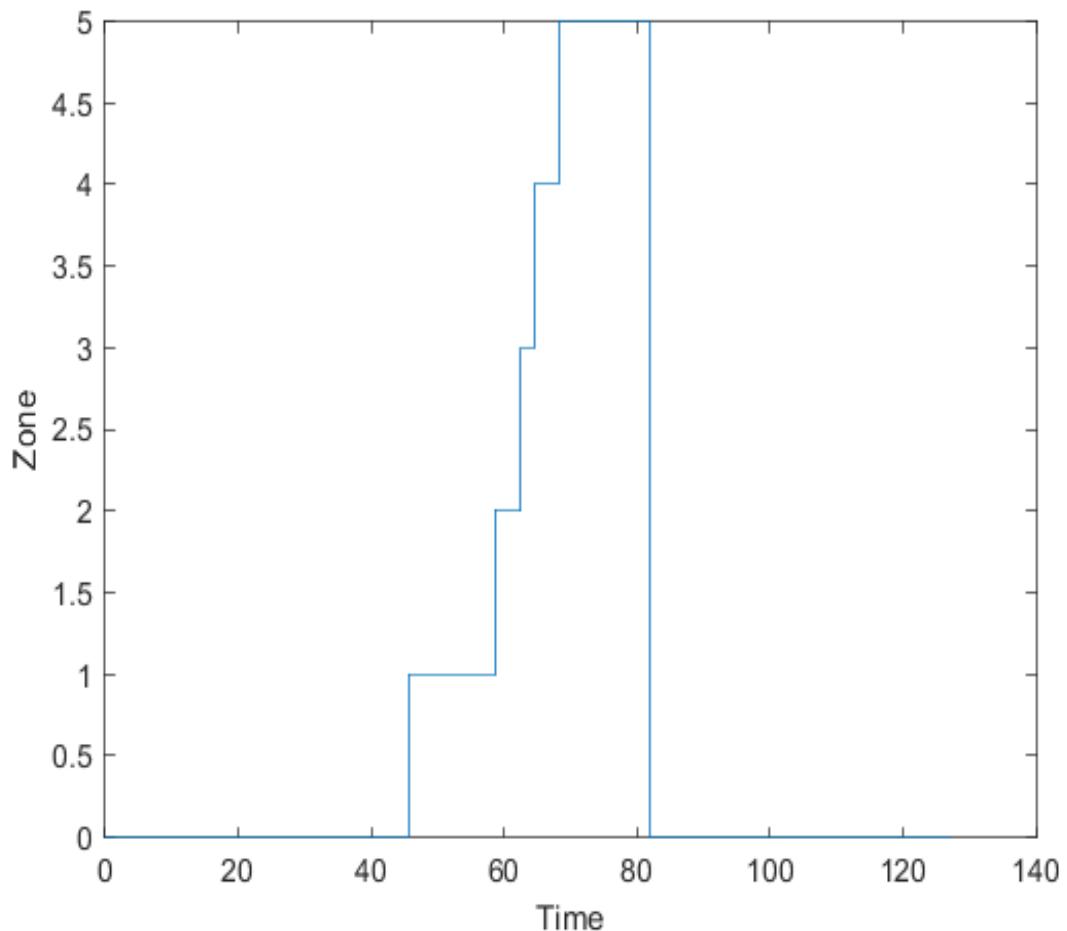
Start Time: 0  
Stop Time: 127.27922061357856  
Checksum: 1075694502 1601658798 3666871698 1970155479

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

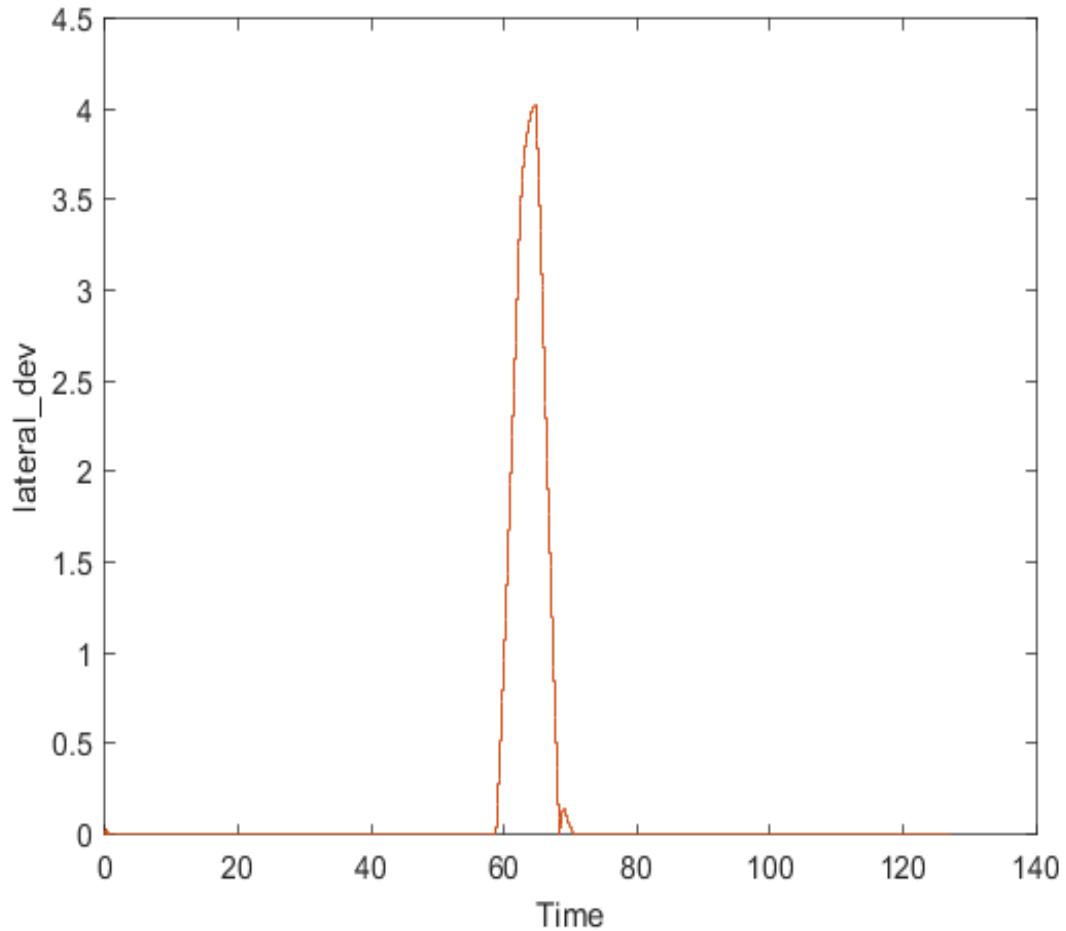
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 160° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:42:34  
End Time: 19-May-2021 21:43:04  
Outcome: Passed

## Test Case Information

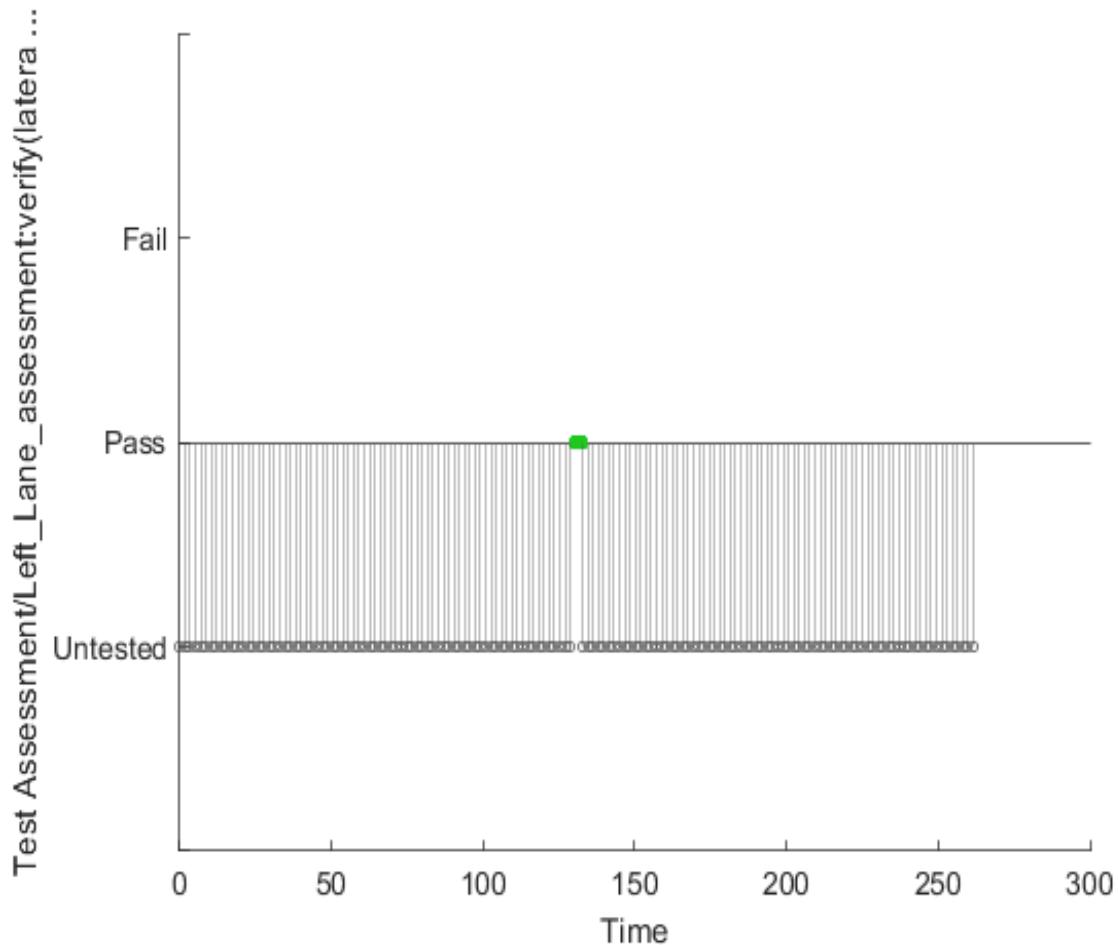
Name: 160° 40km/h  
Type: Simulation Test

## Verify Result

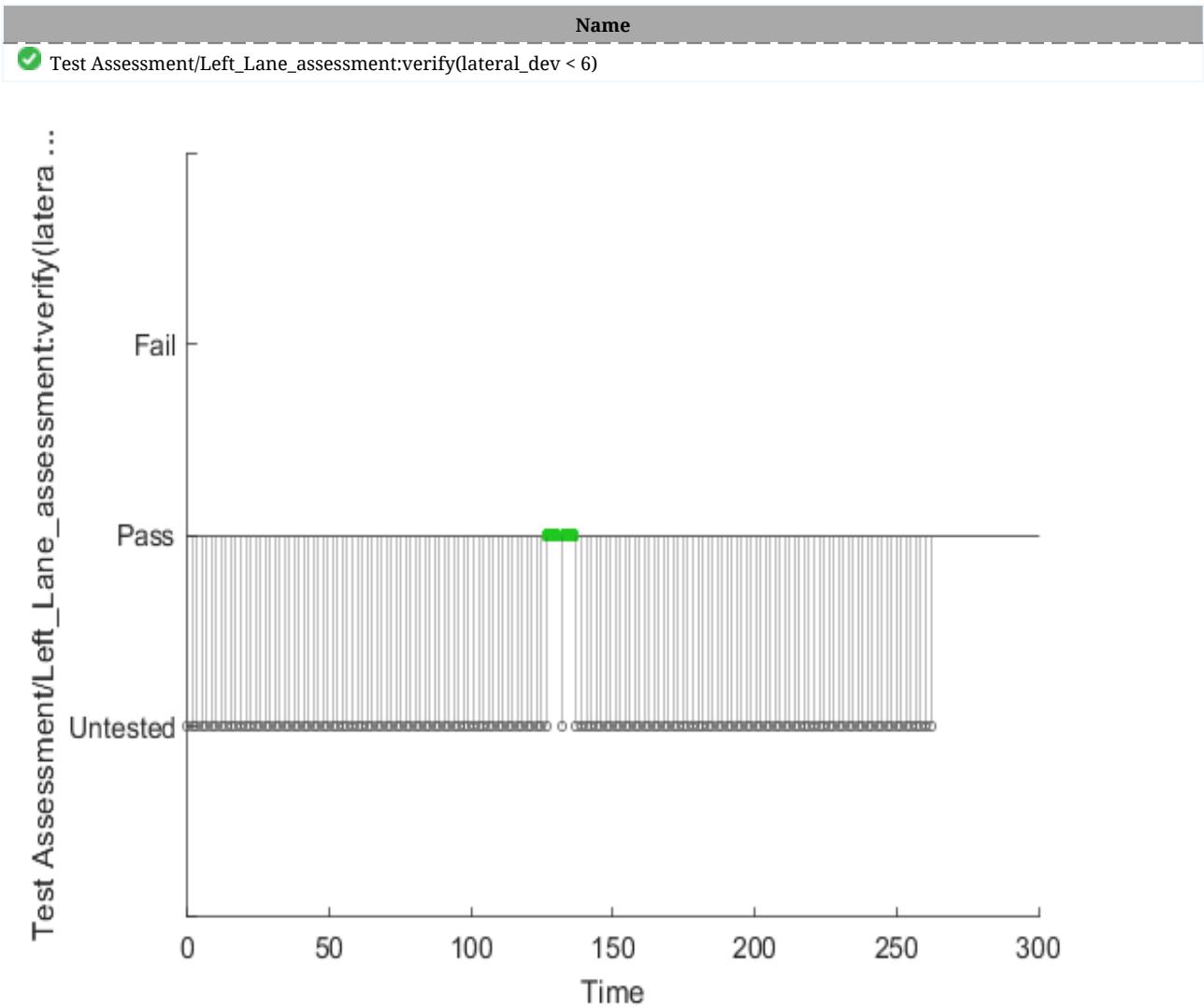
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



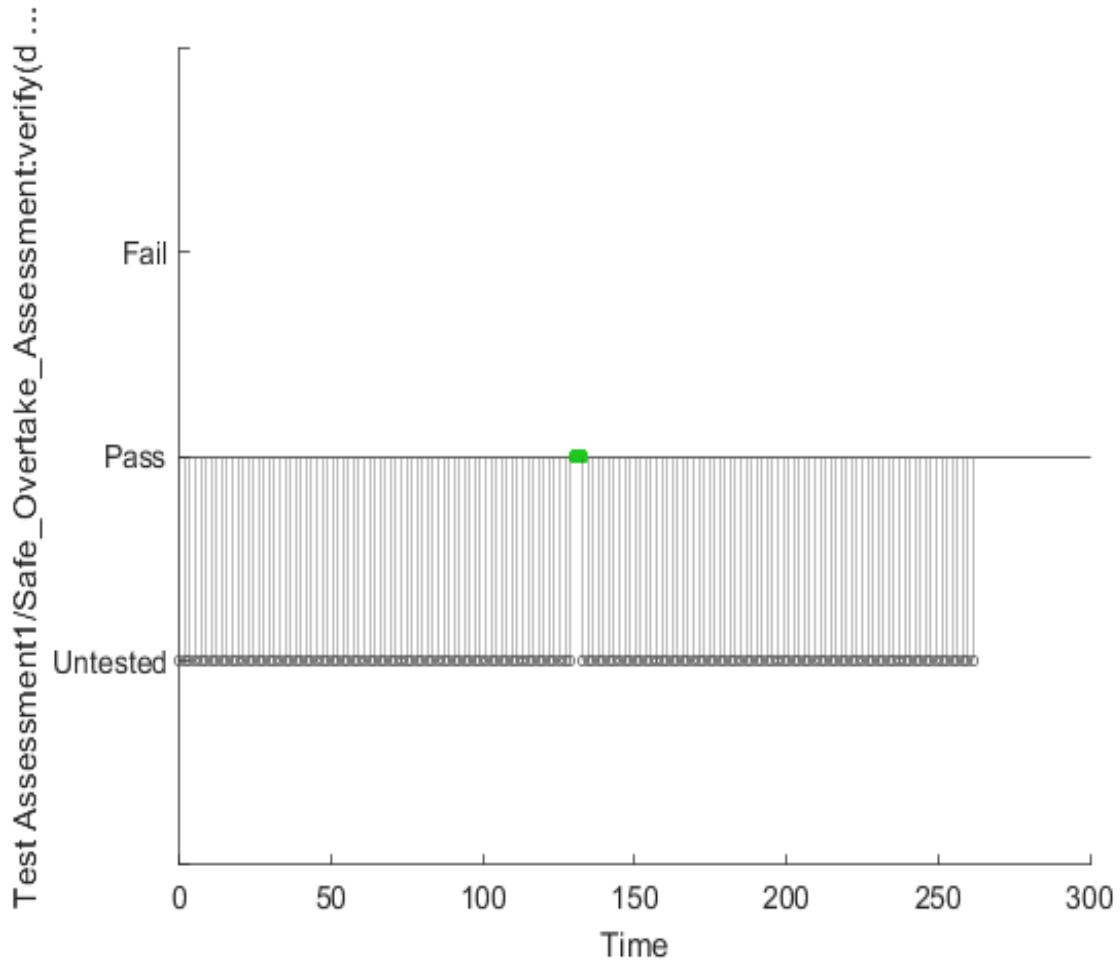
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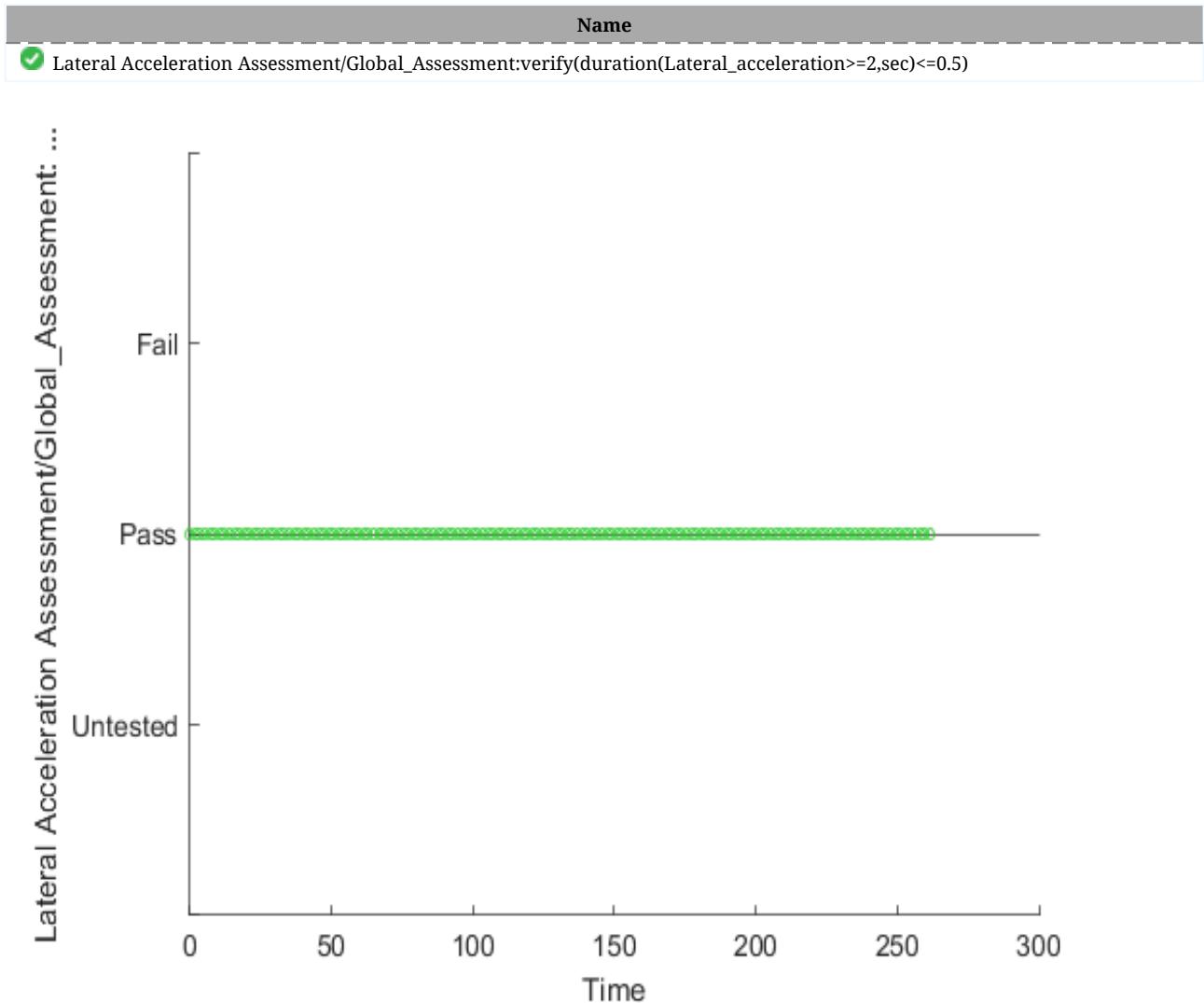
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

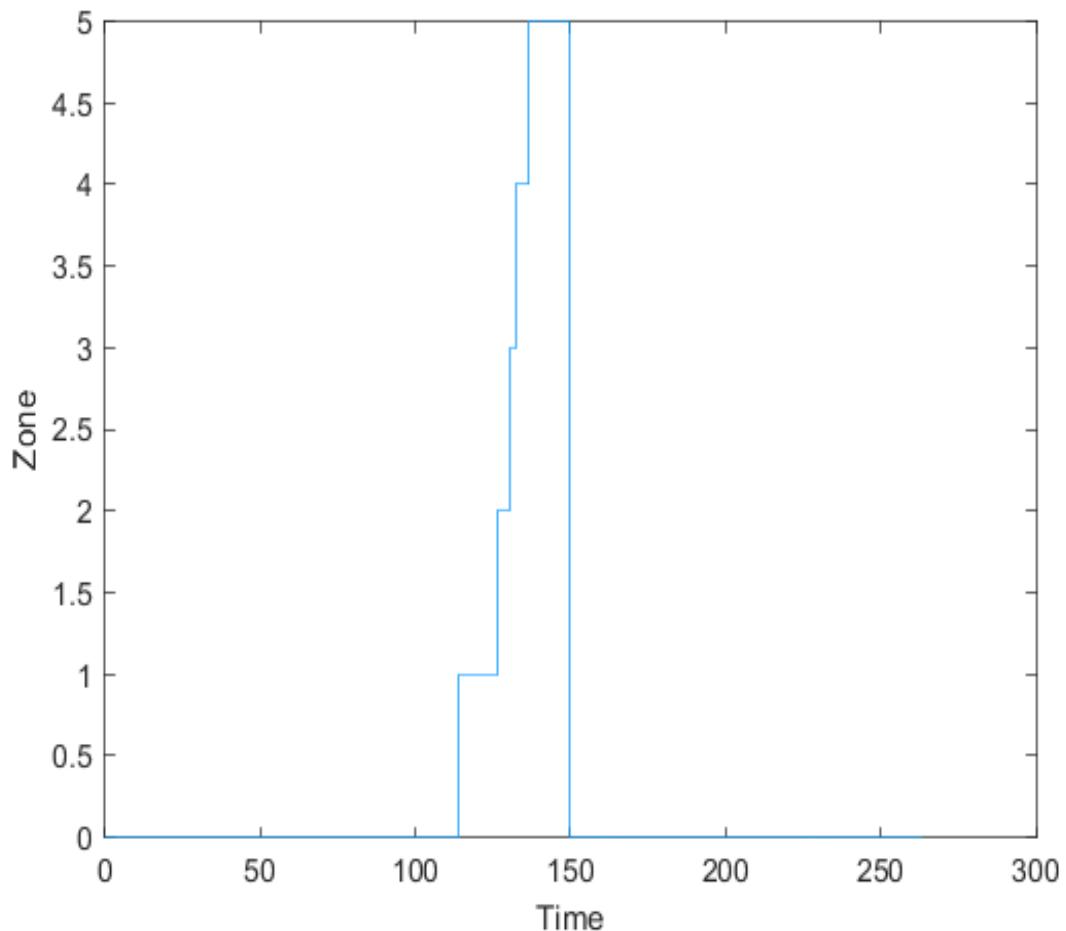
Start Time: 0  
Stop Time: 263.10201994663595  
Checksum: 2186892012 324113532 3066643177 1490285728

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

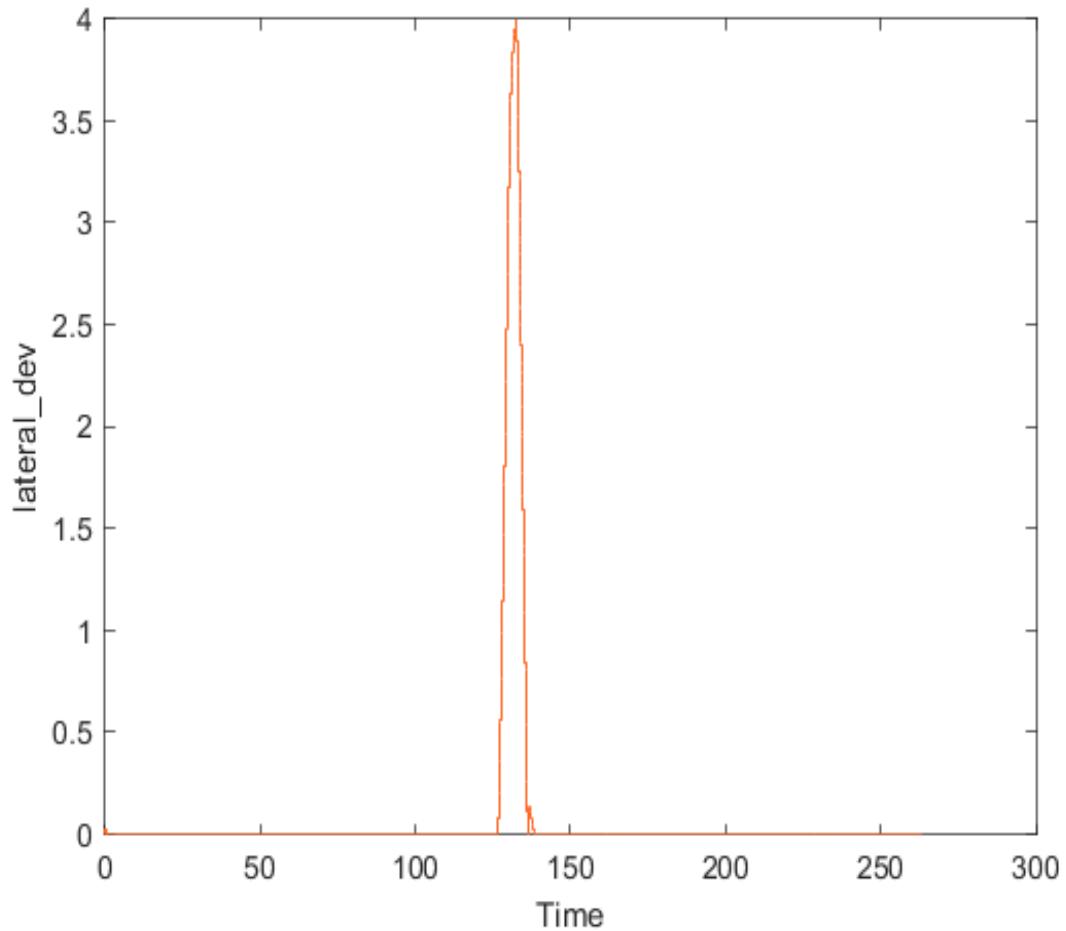
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 180° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:43:04  
End Time: 19-May-2021 21:43:13  
Outcome: Passed

## Test Case Information

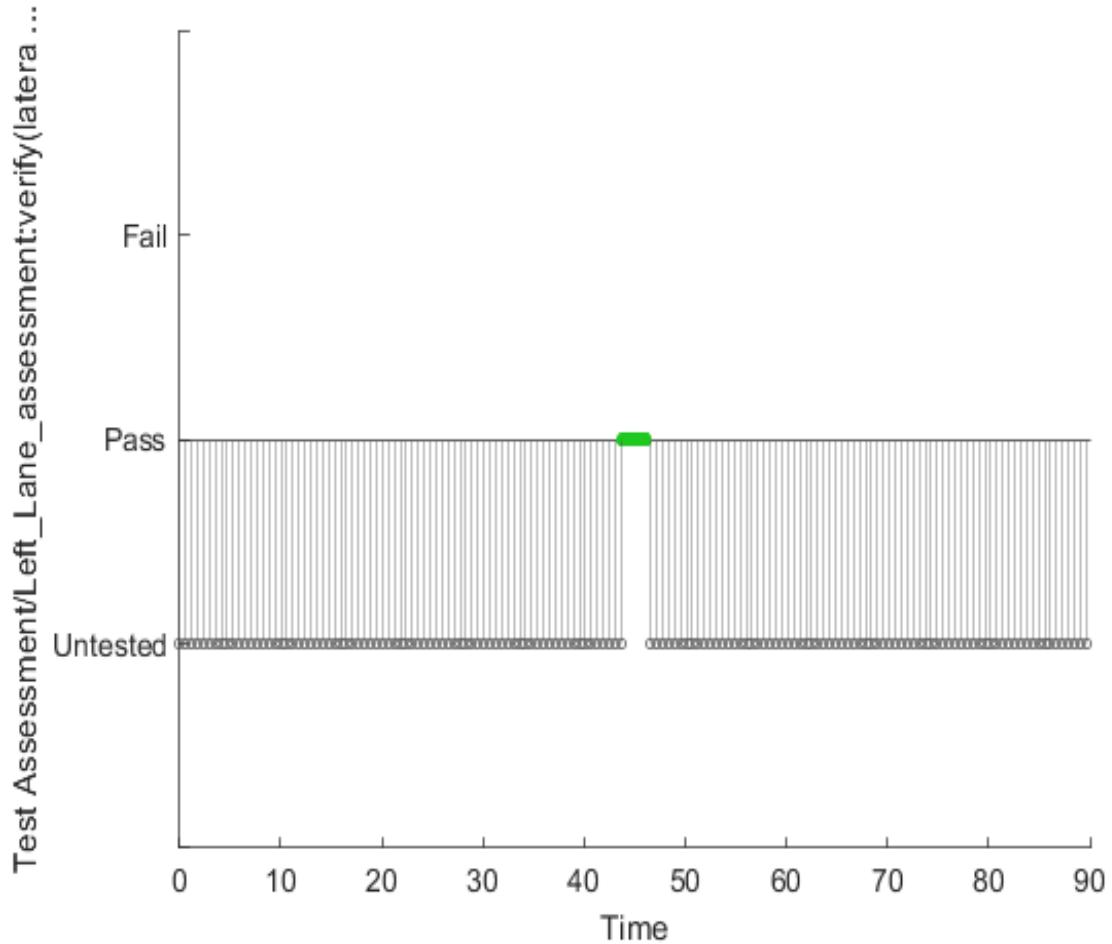
Name: 180° 40km/h  
Type: Simulation Test

## Verify Result

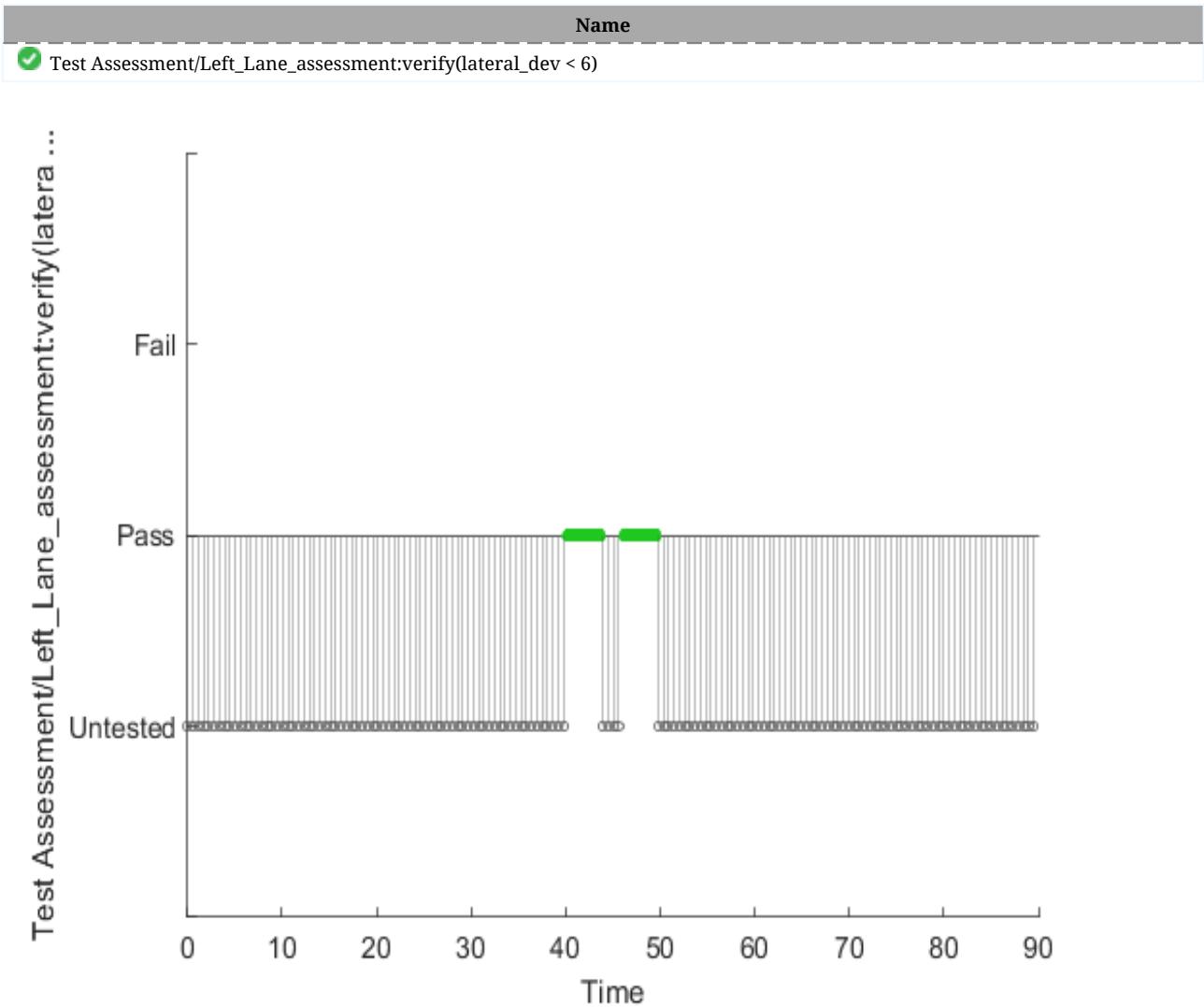
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



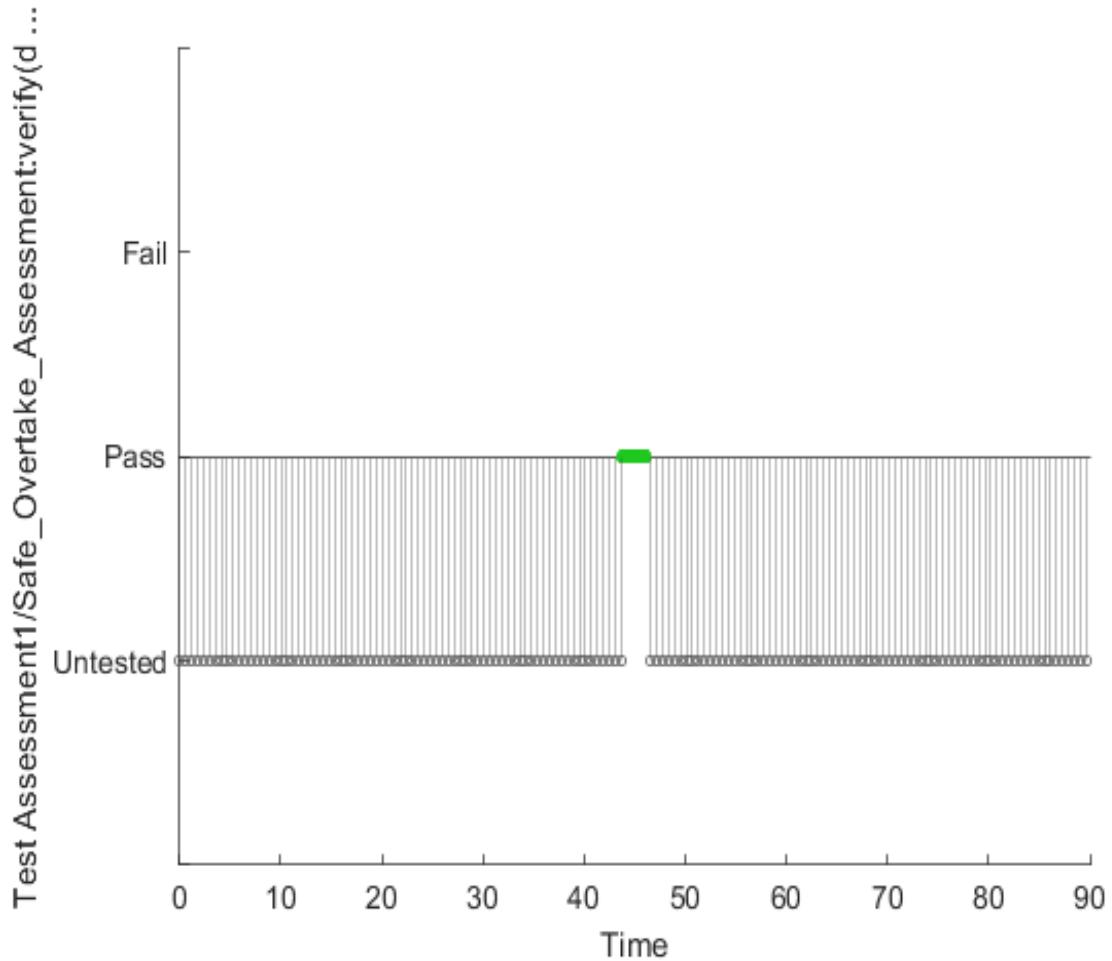
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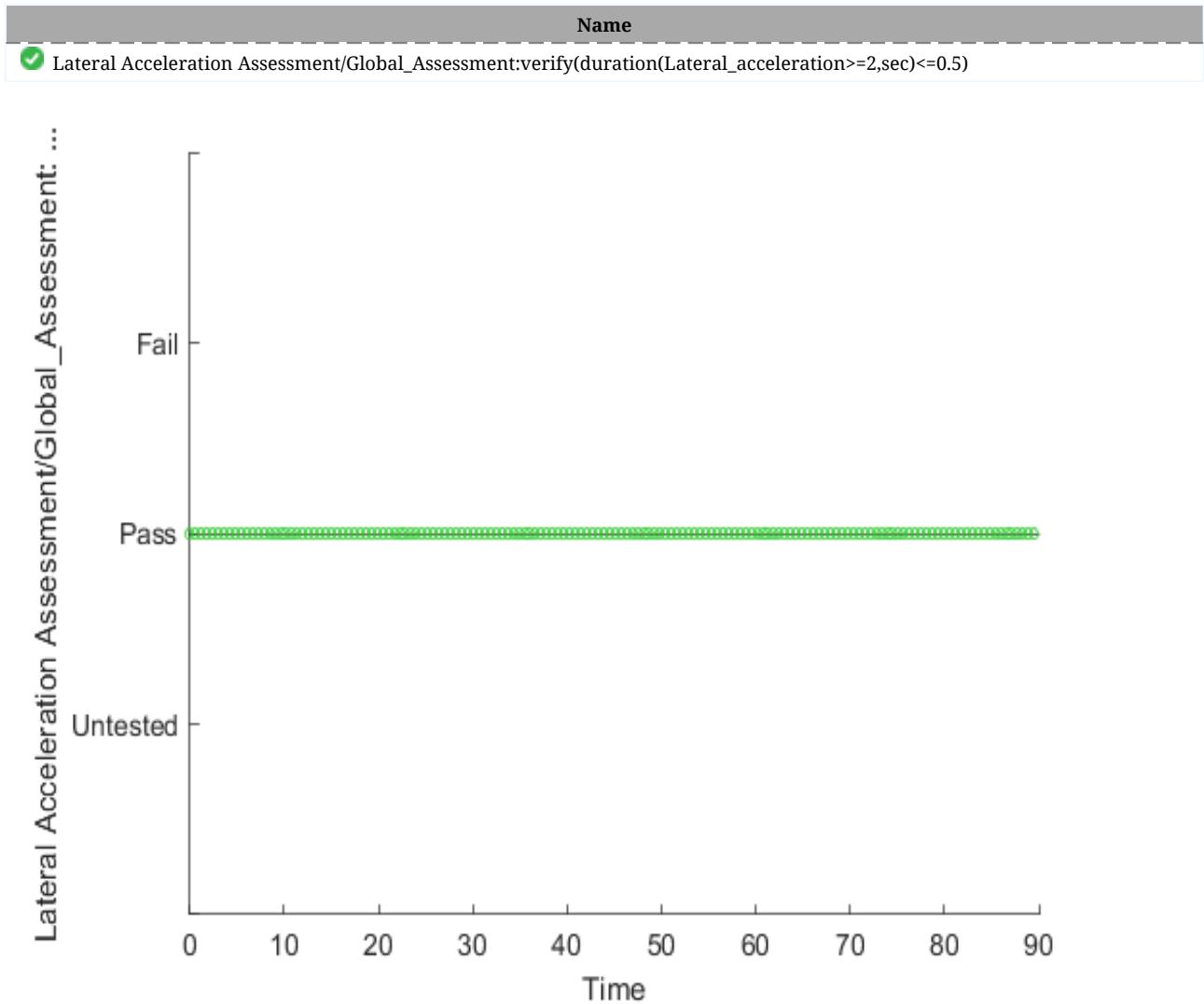
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

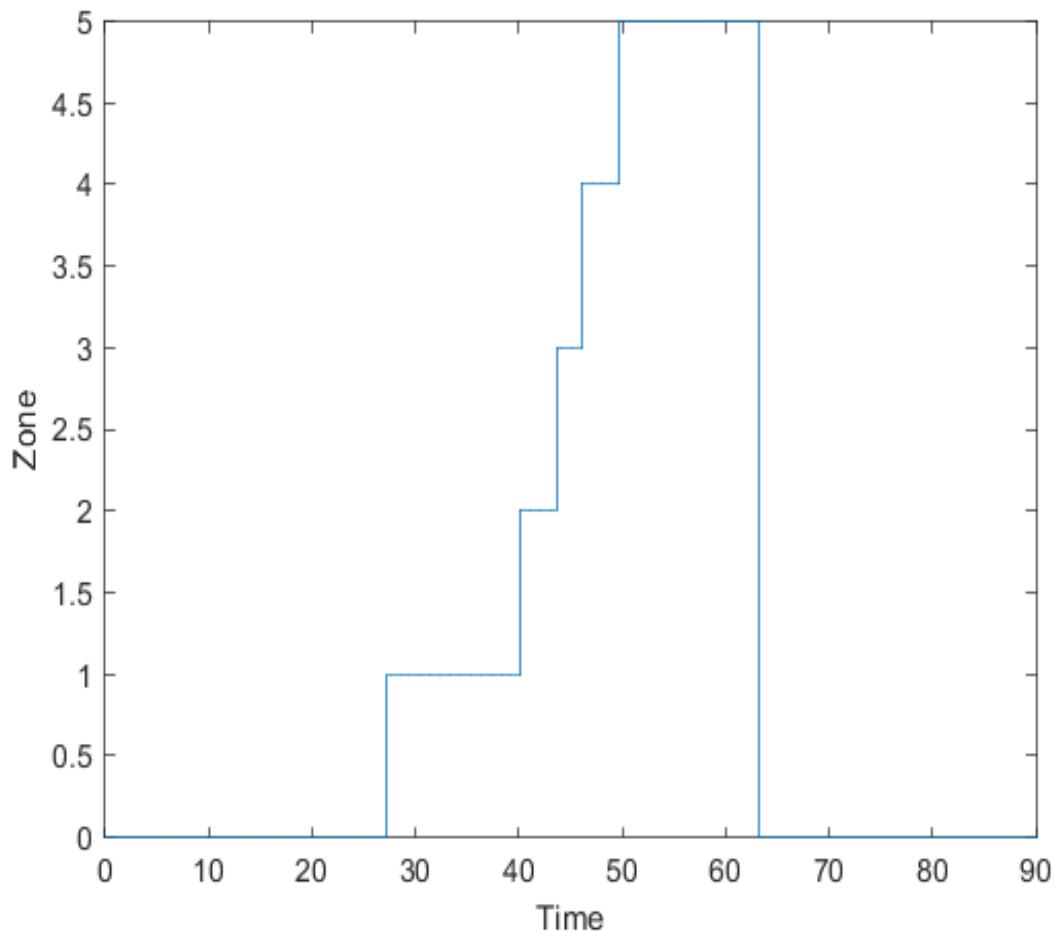
Start Time: 0  
Stop Time: 90  
Checksum: 1925944679 404321607 95742990 3079759977

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

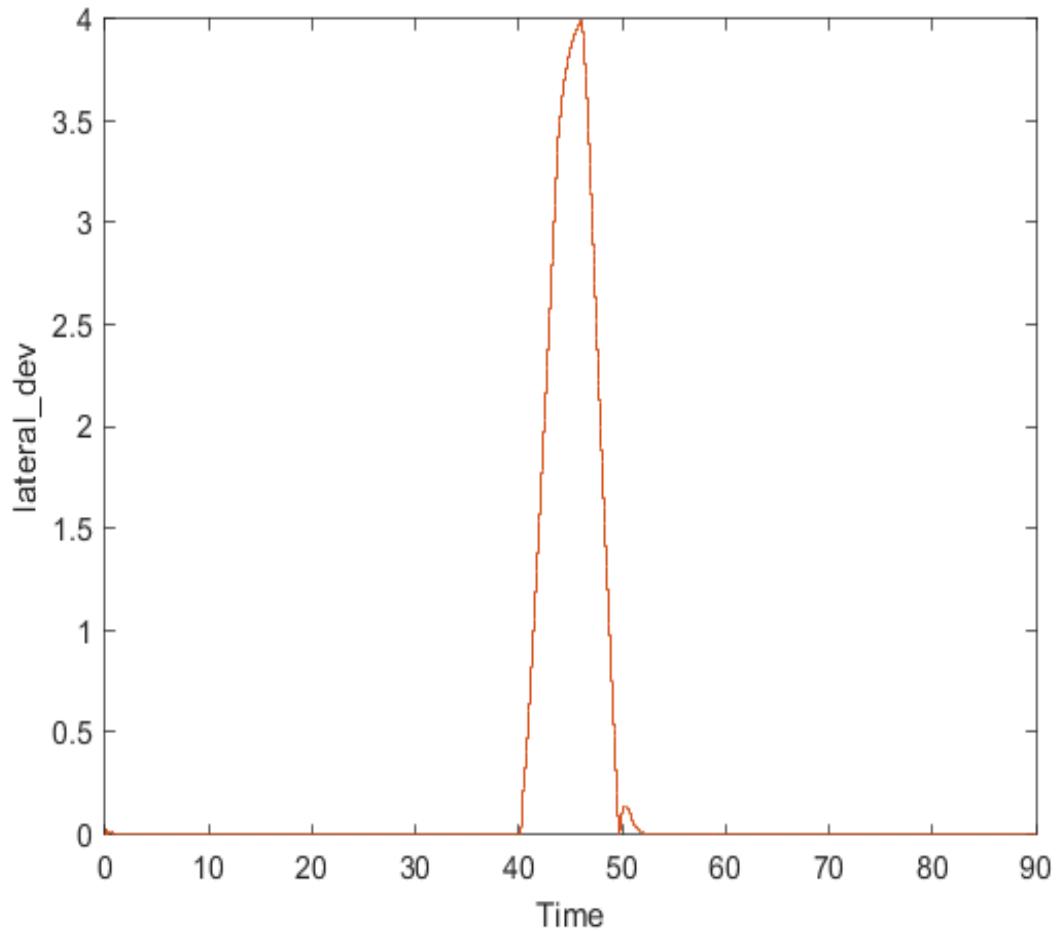
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -20° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:43:13  
End Time: 19-May-2021 21:43:23  
Outcome: Passed

## Test Case Information

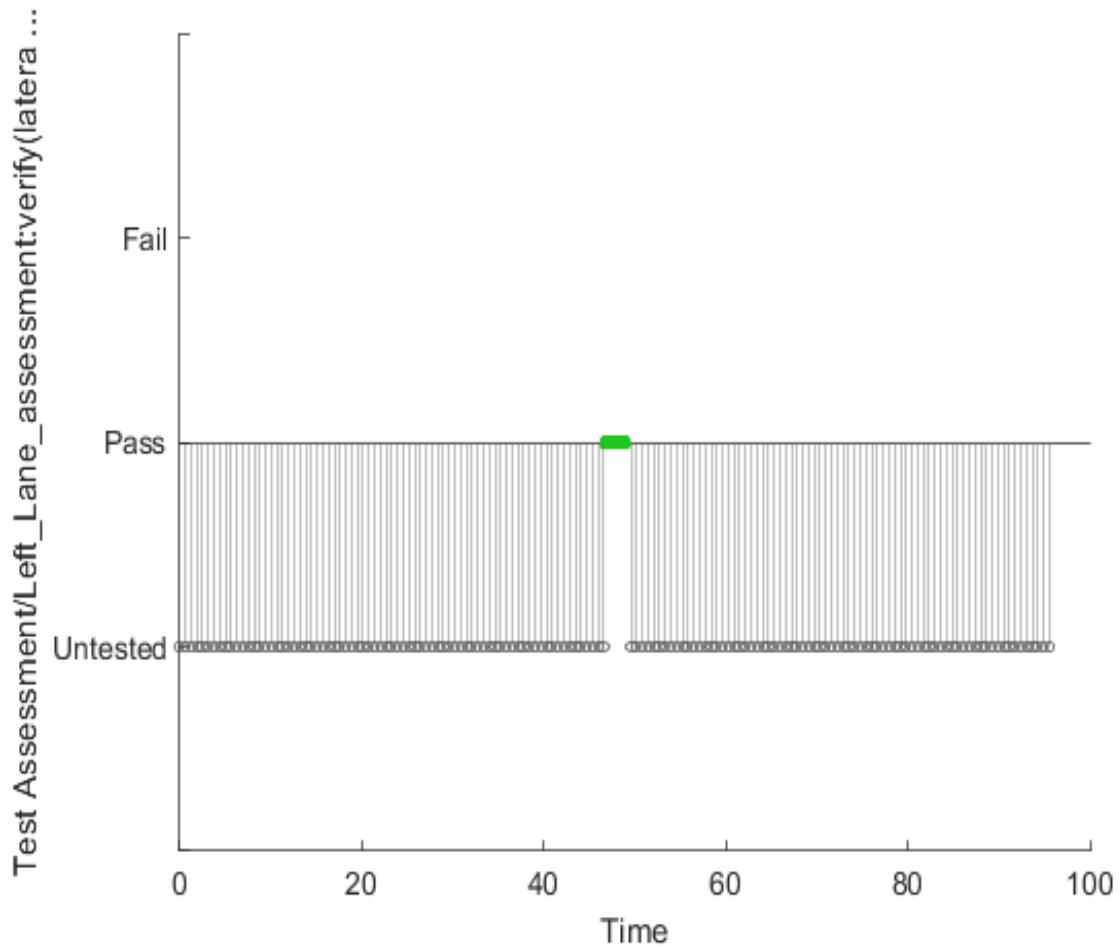
Name: -20° 40km/h  
Type: Simulation Test

## Verify Result

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

Name

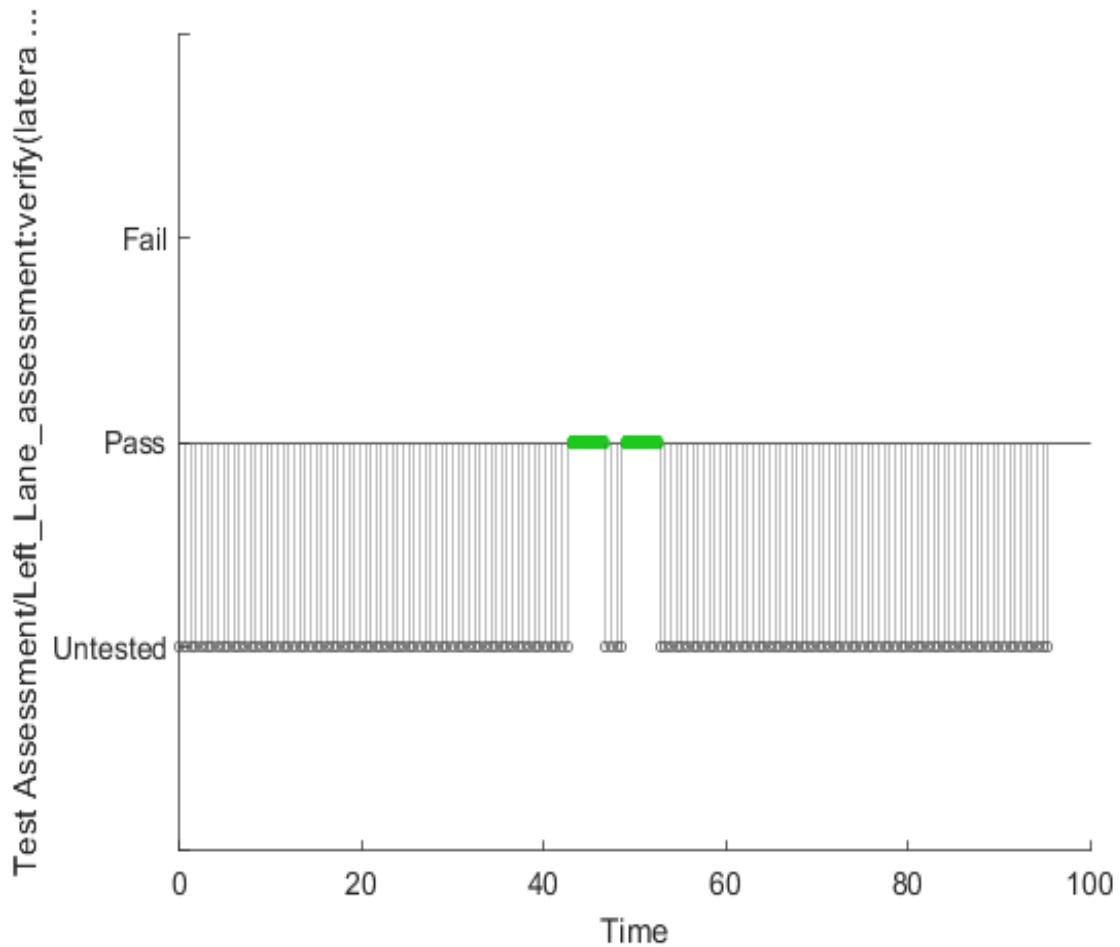
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

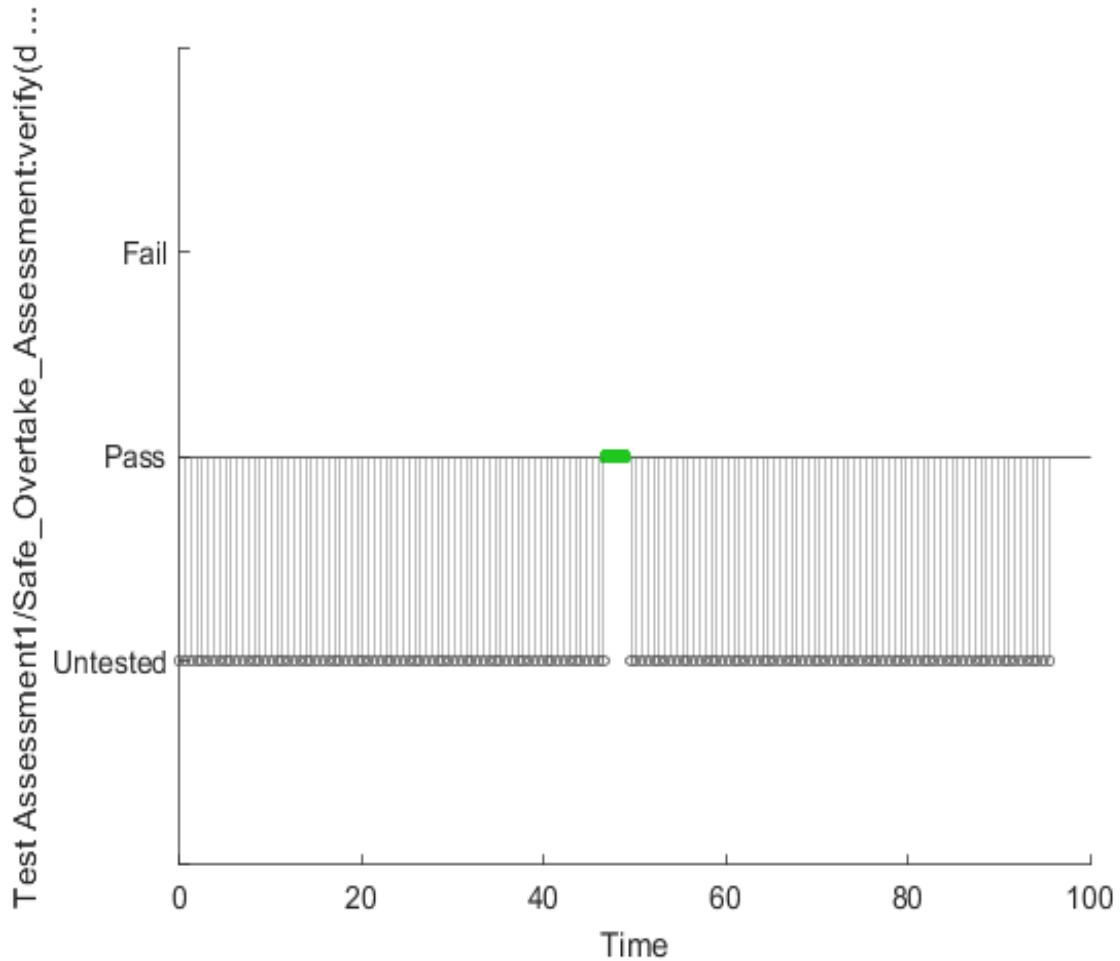
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



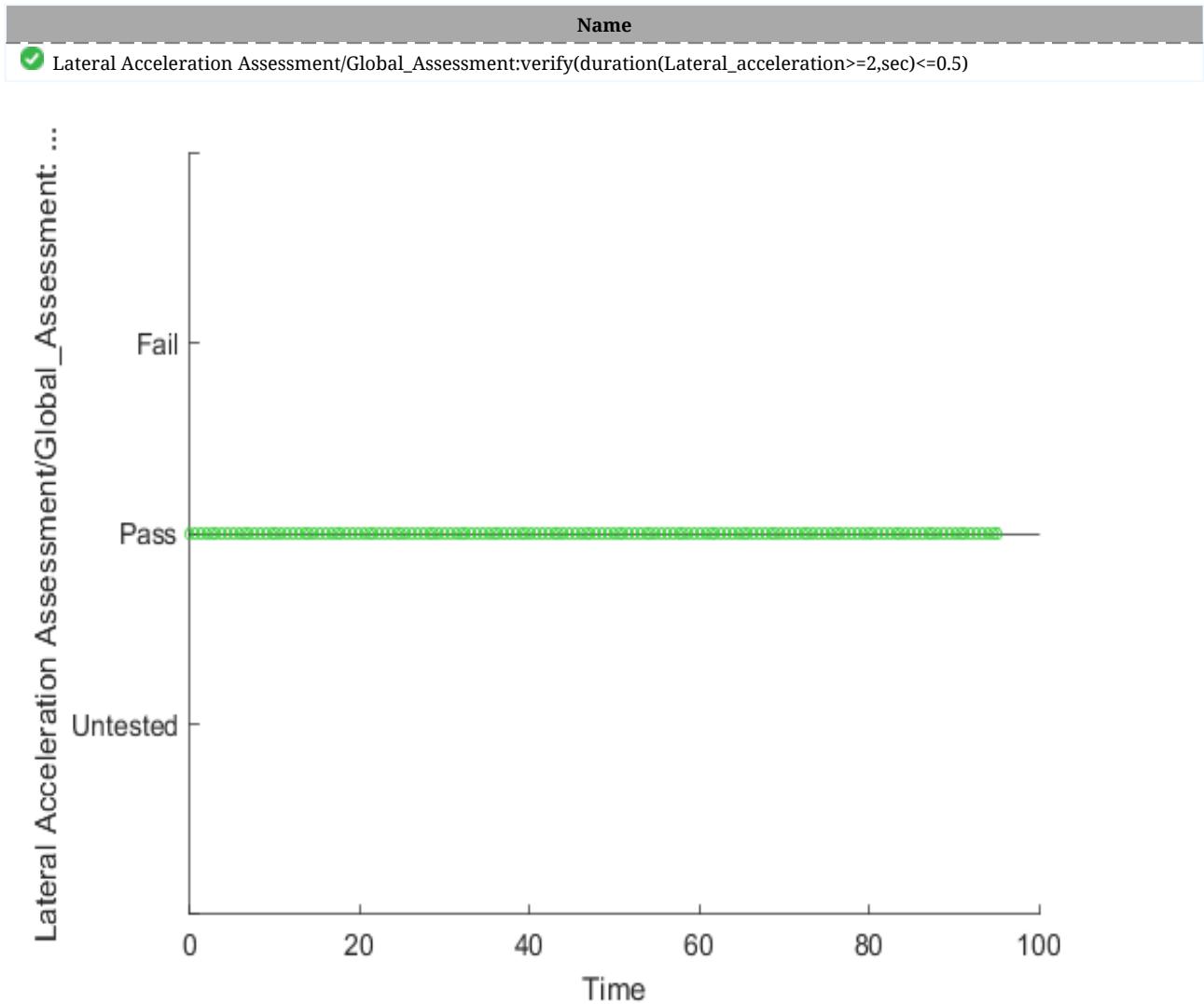
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

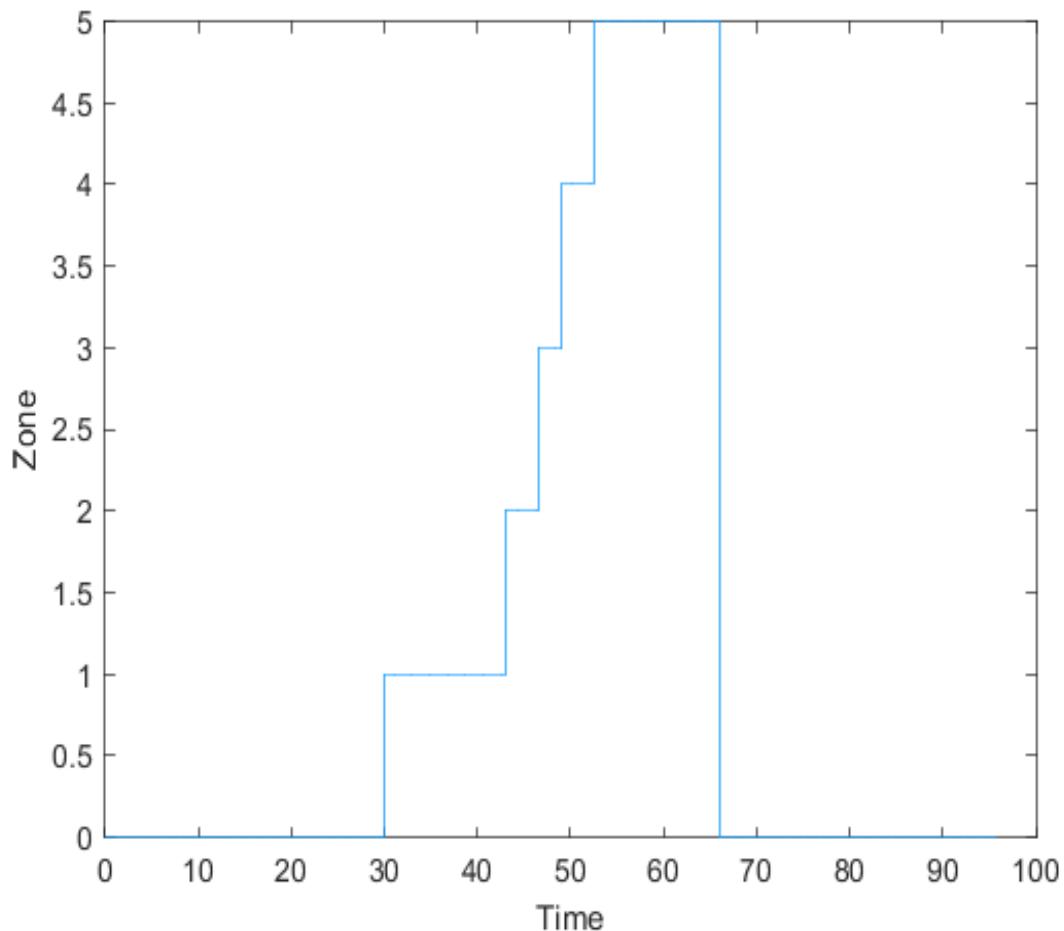
Start Time: 0  
Stop Time: 95.77691579916322  
Checksum: 3732168733 1931266132 1495074700 1168616824

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

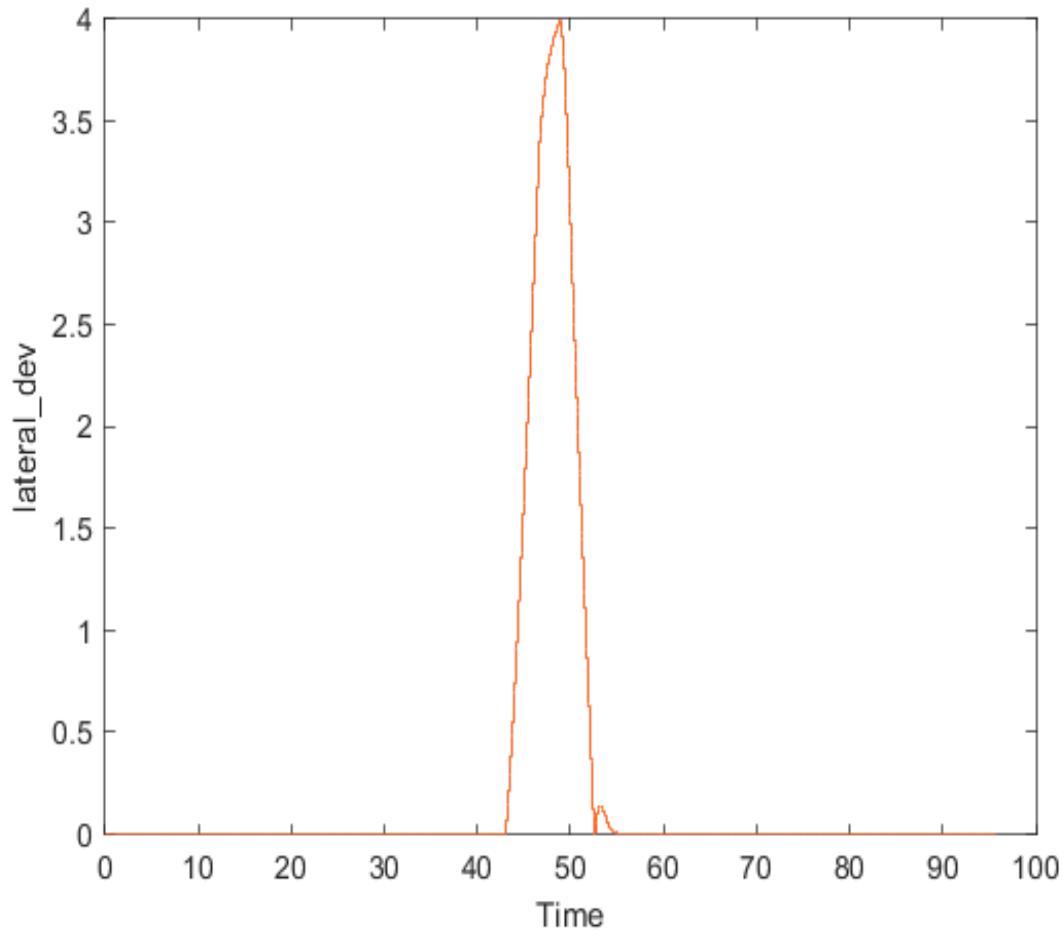
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -45° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:43:23  
End Time: 19-May-2021 21:43:36  
Outcome: Passed

## Test Case Information

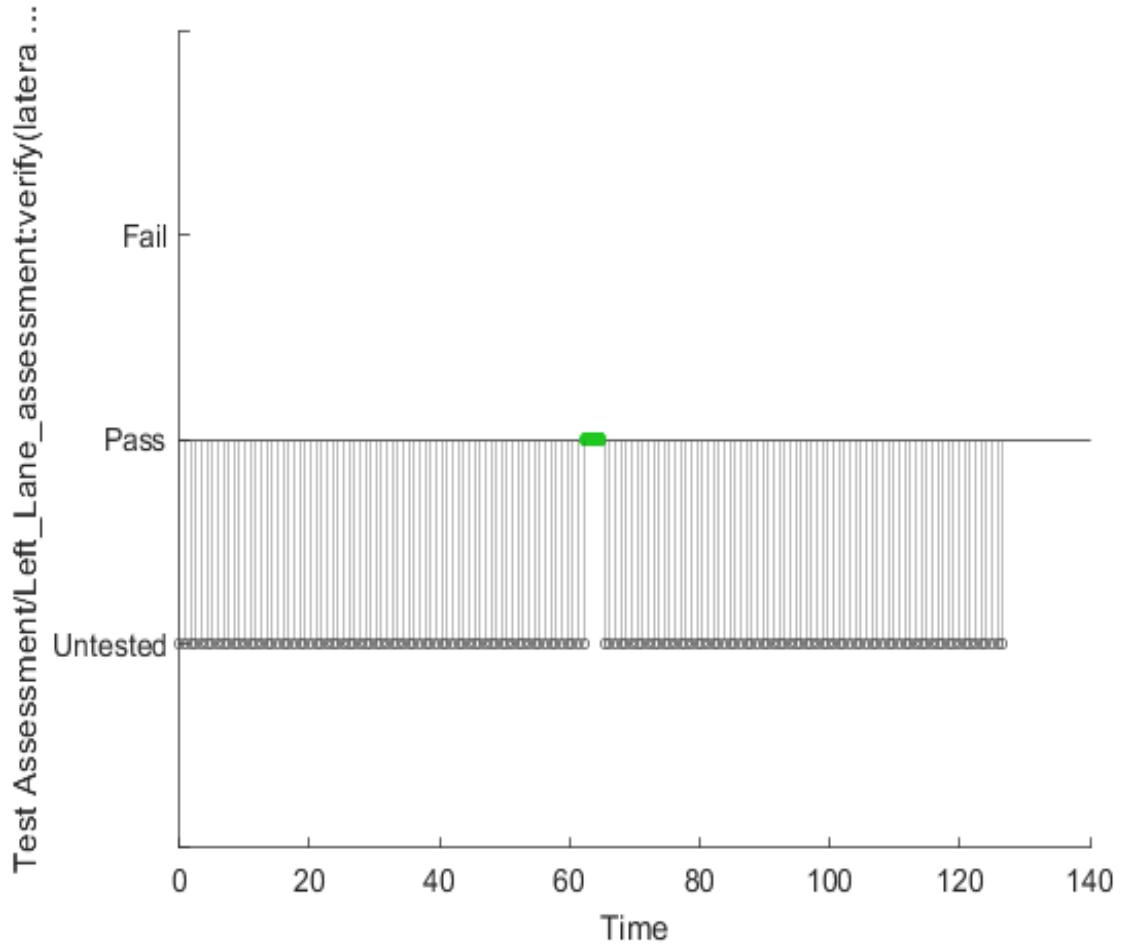
Name: -45° 40km/h  
Type: Simulation Test

## Verify Result

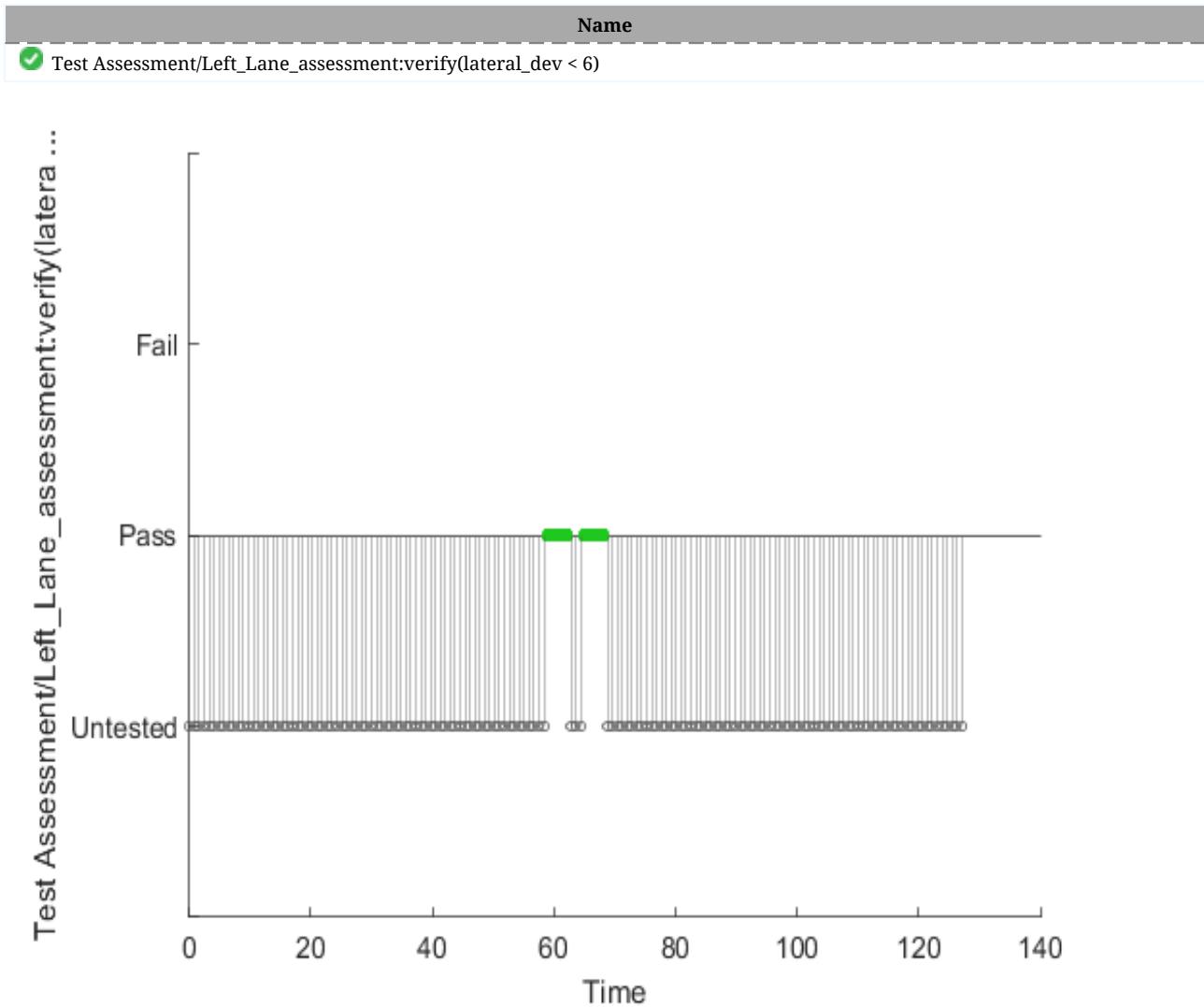
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



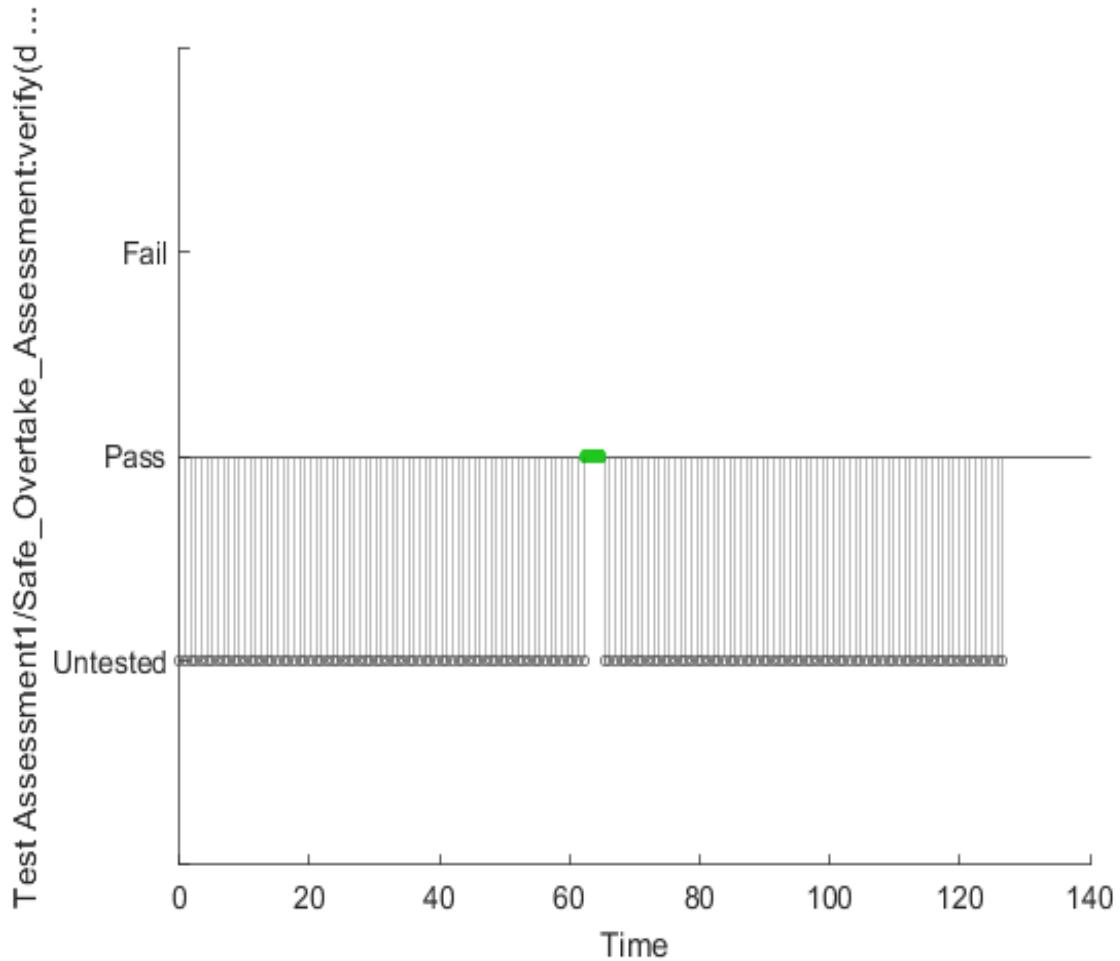
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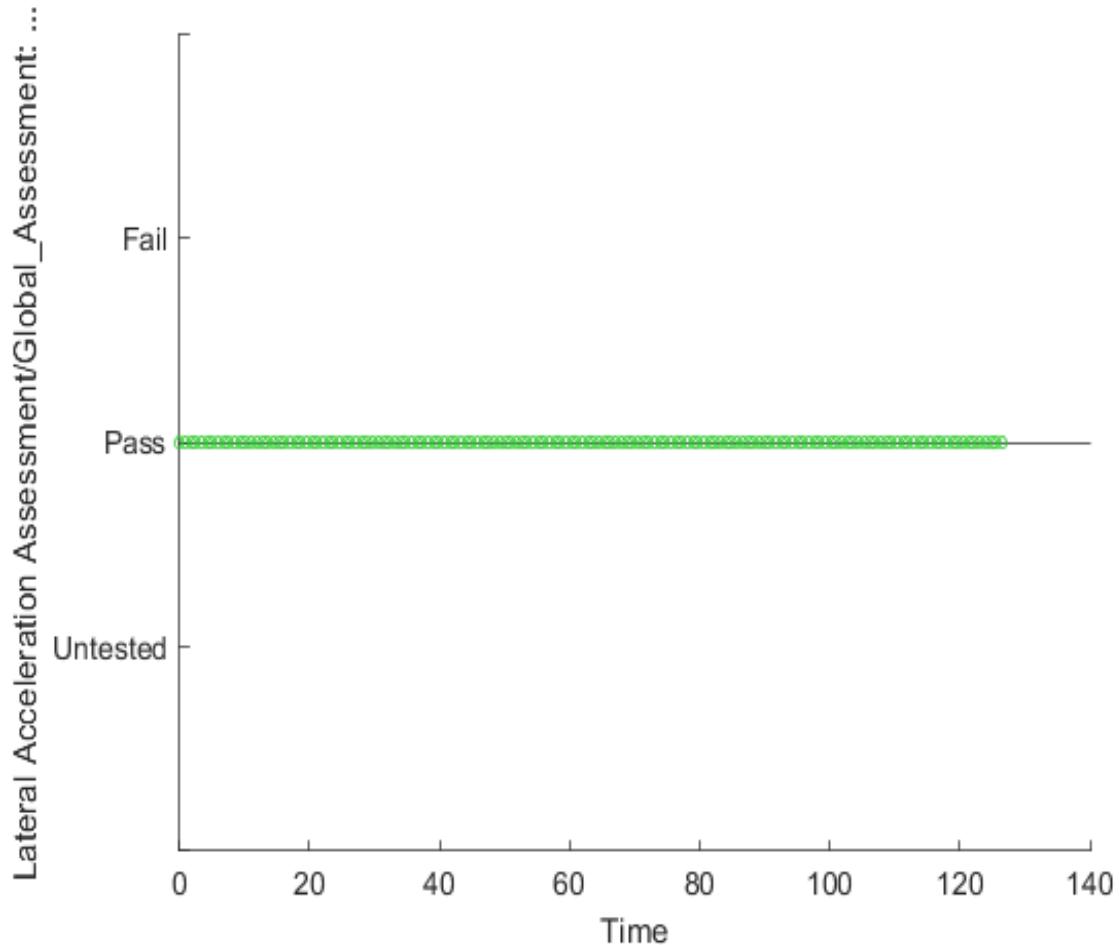
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

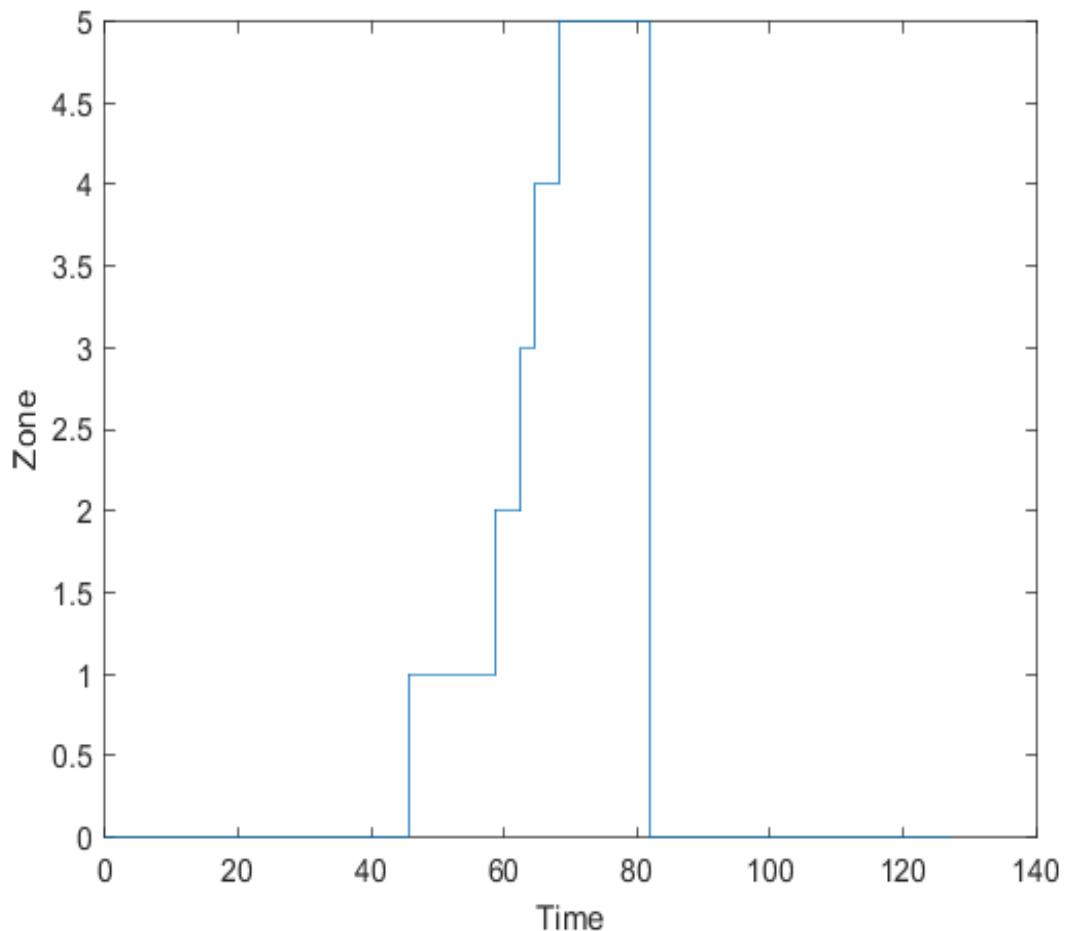
Start Time: 0  
Stop Time: 127.27922061357856  
Checksum: 1075694502 1601658798 3666871698 1970155479

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

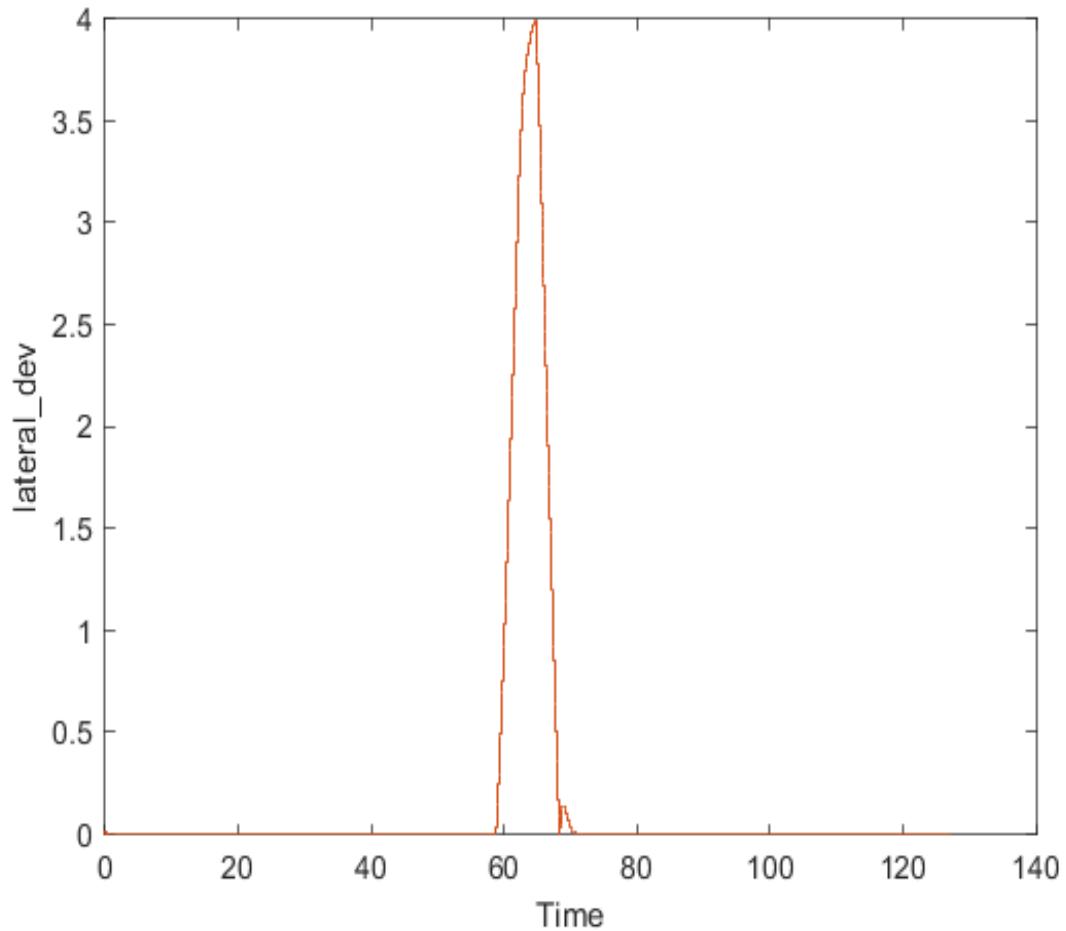
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -70° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:43:36  
End Time: 19-May-2021 21:44:05  
Outcome: Passed

## Test Case Information

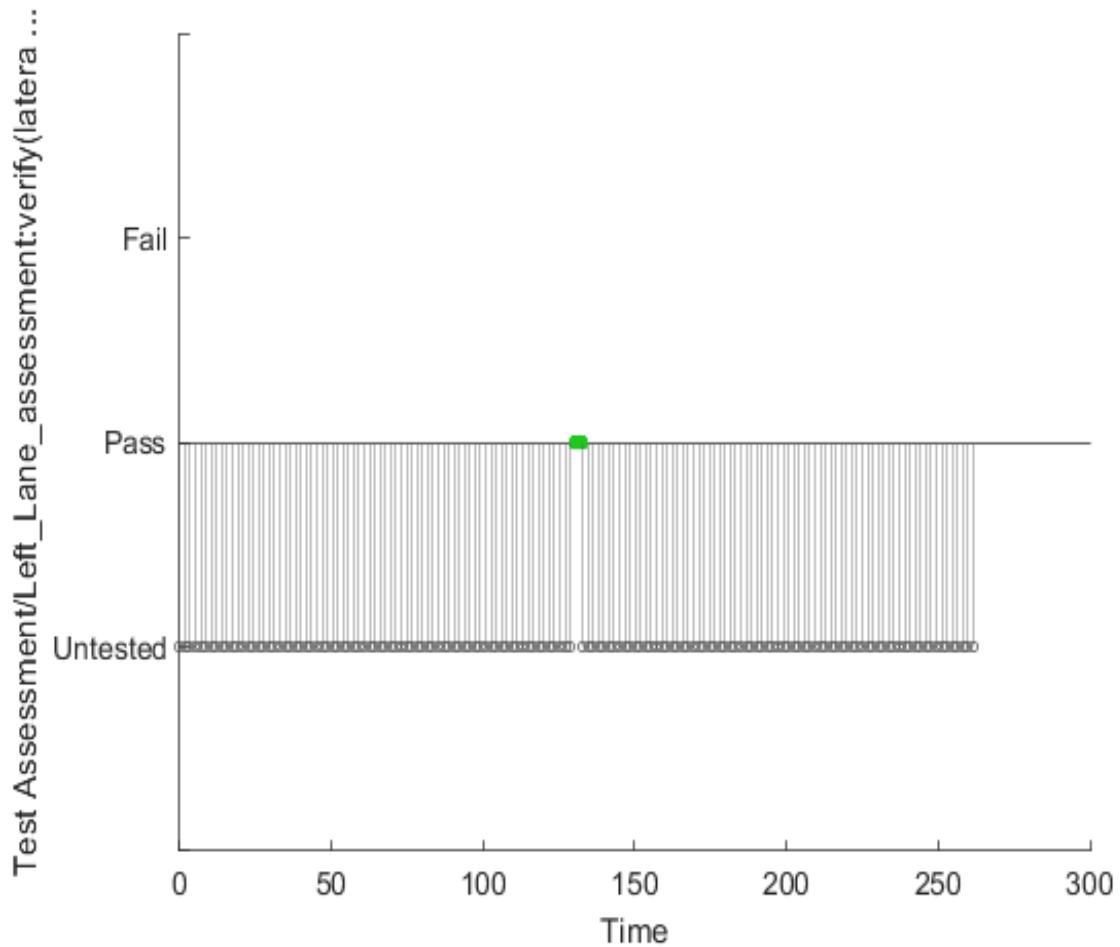
Name: -70° 40km/h  
Type: Simulation Test

## Verify Result

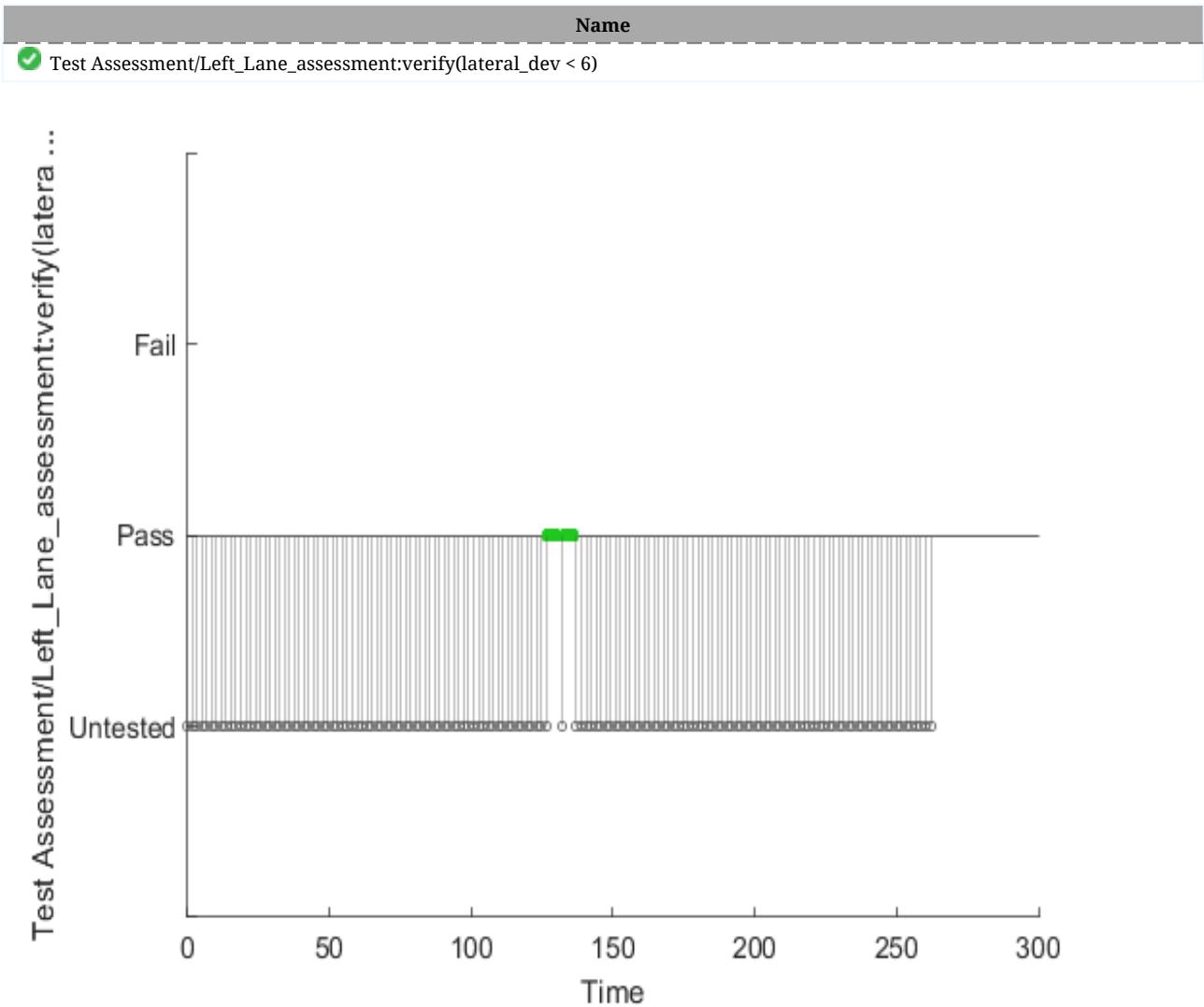
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



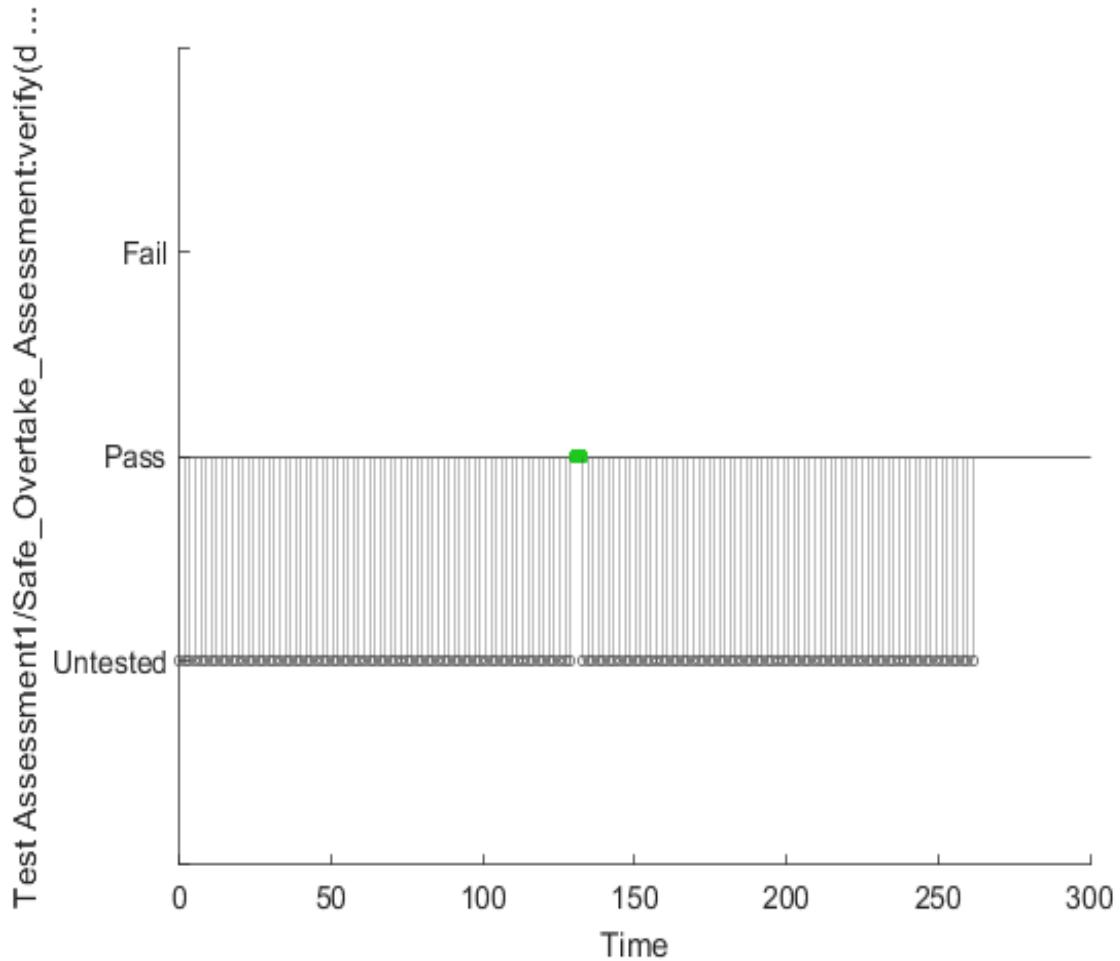
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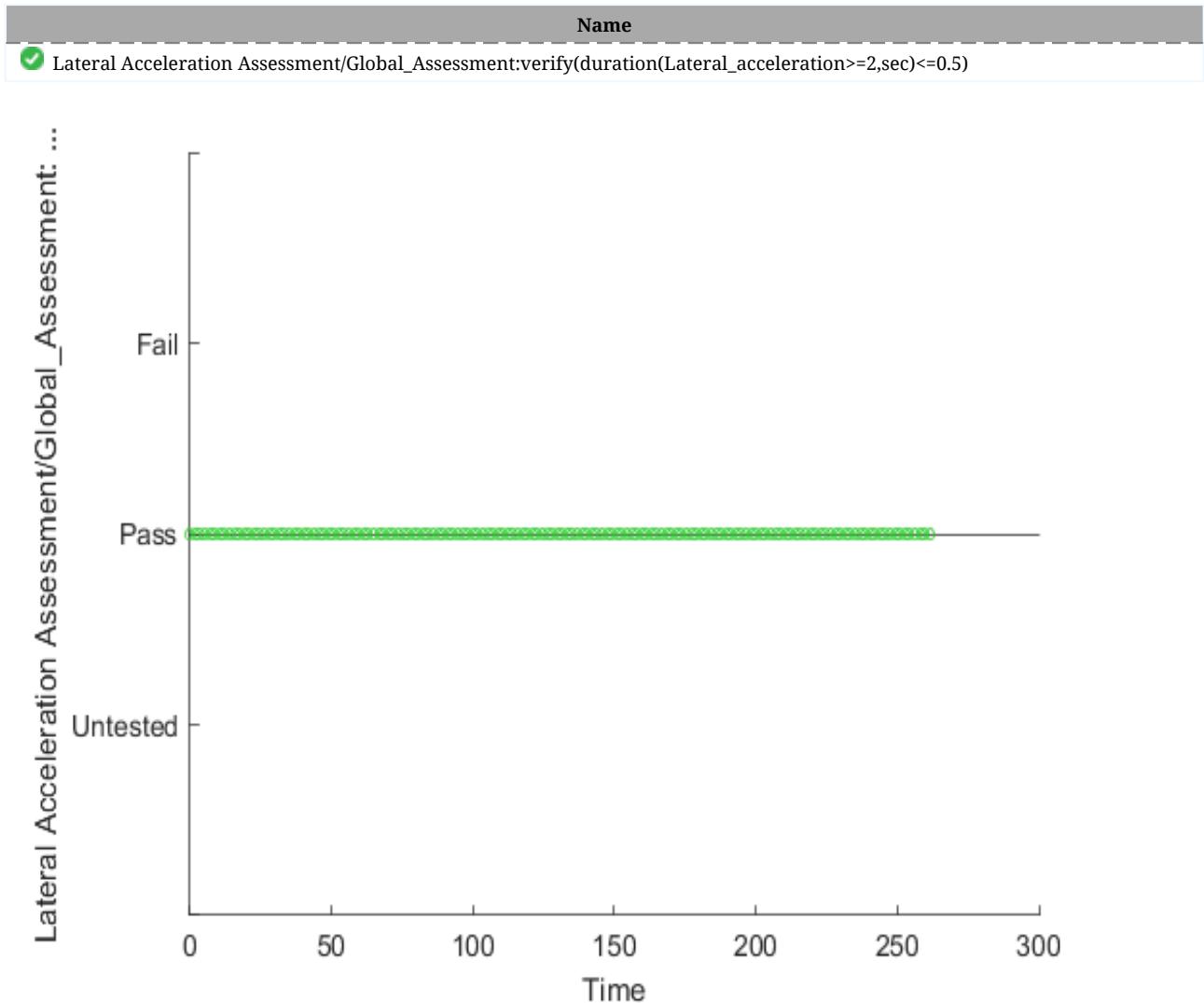
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

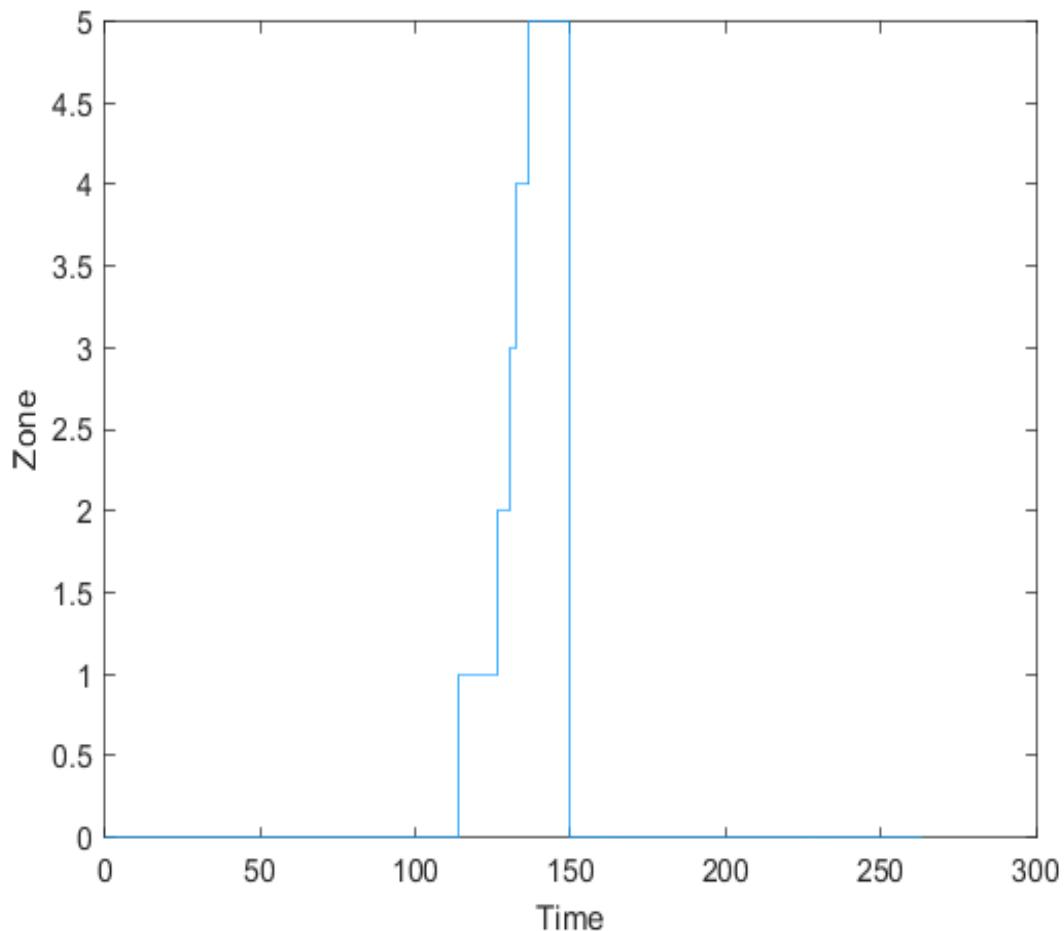
Start Time: 0  
Stop Time: 263.10201994663595  
Checksum: 2186892012 324113532 3066643177 1490285728

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

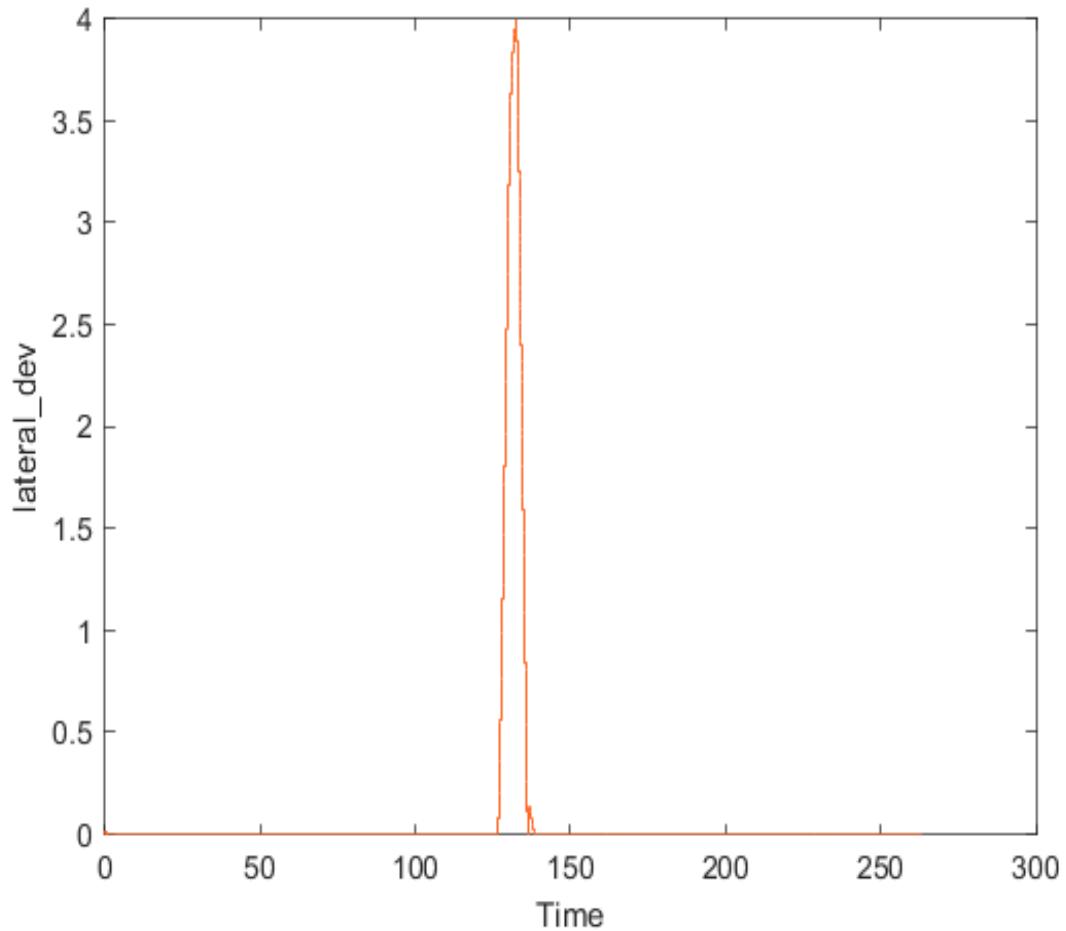
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -90° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:44:05  
End Time: 19-May-2021 21:44:14  
Outcome: Passed

## Test Case Information

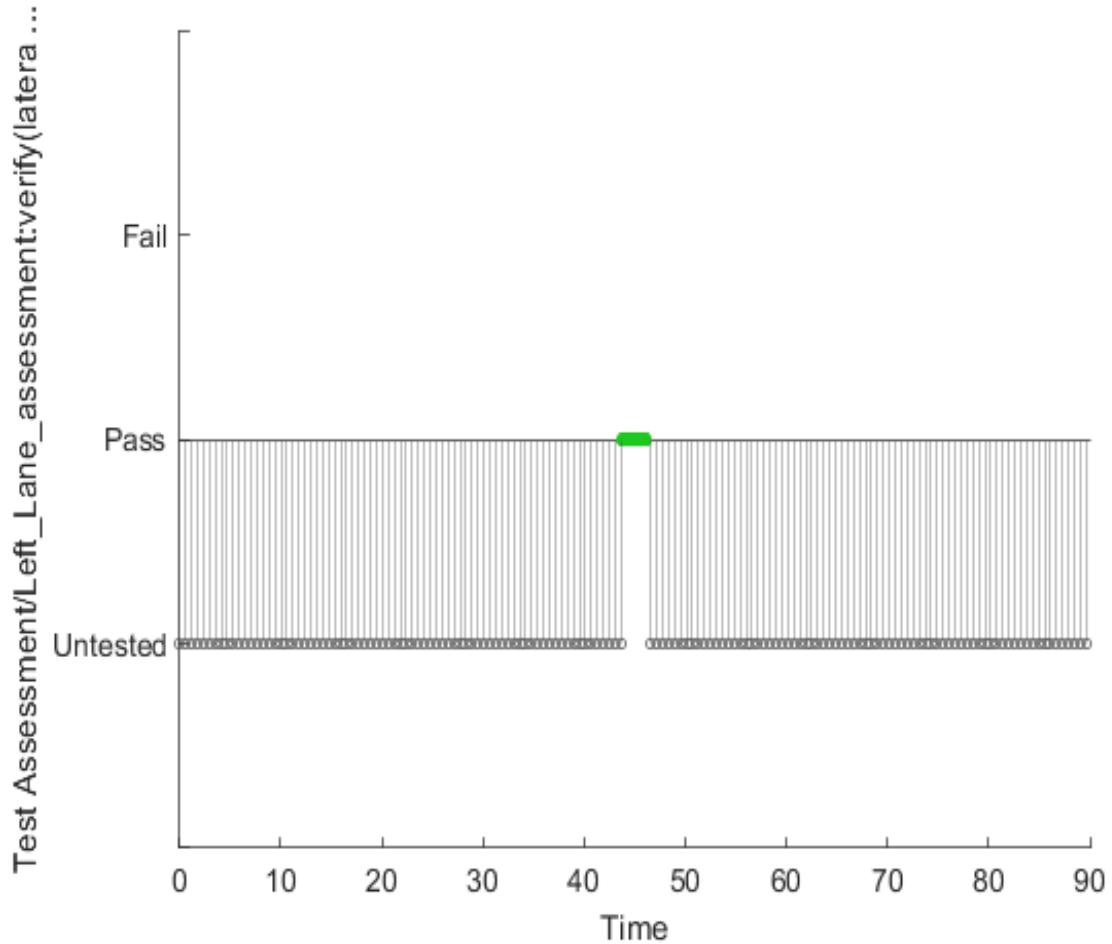
Name: -90° 40km/h  
Type: Simulation Test

## Verify Result

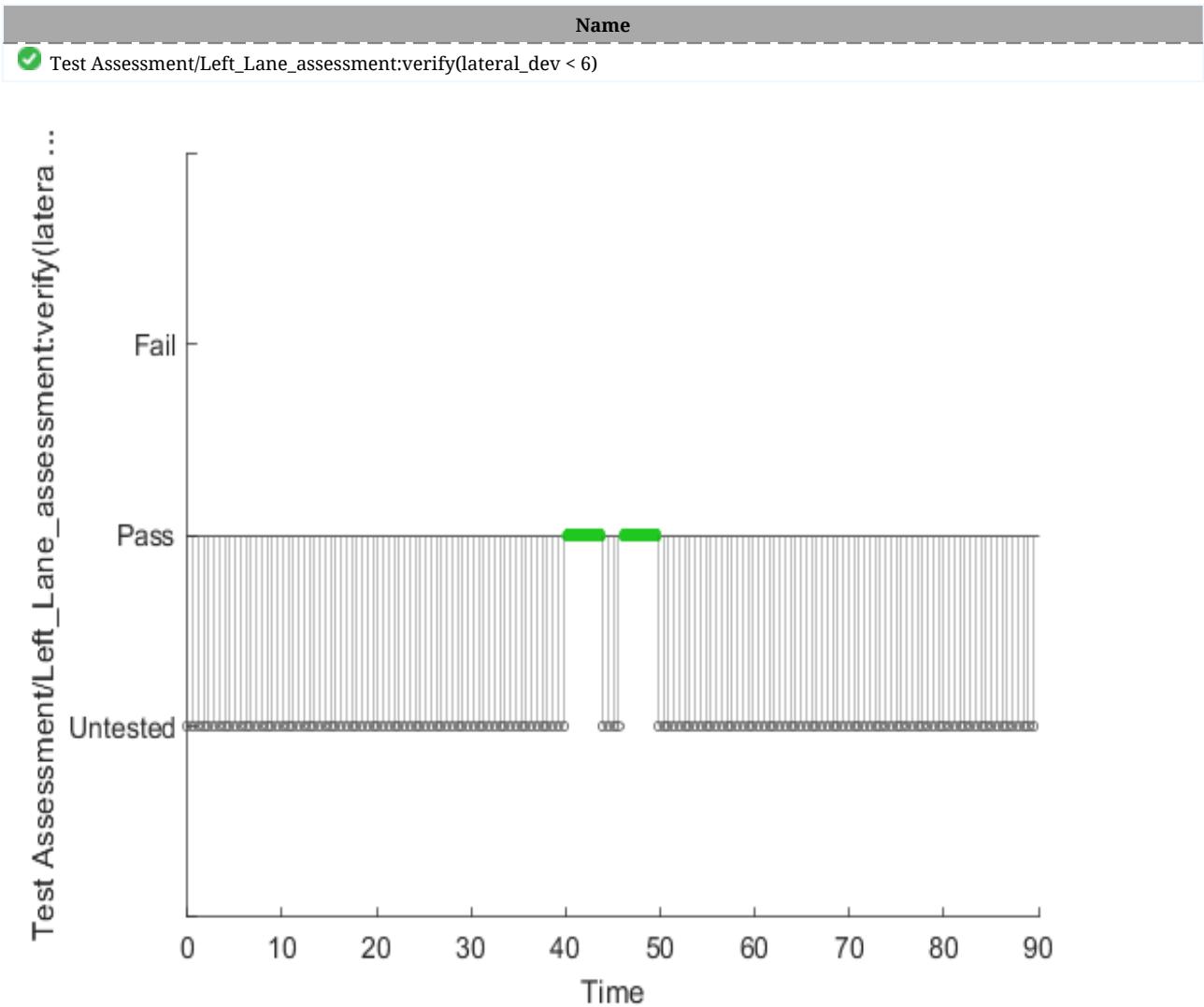
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



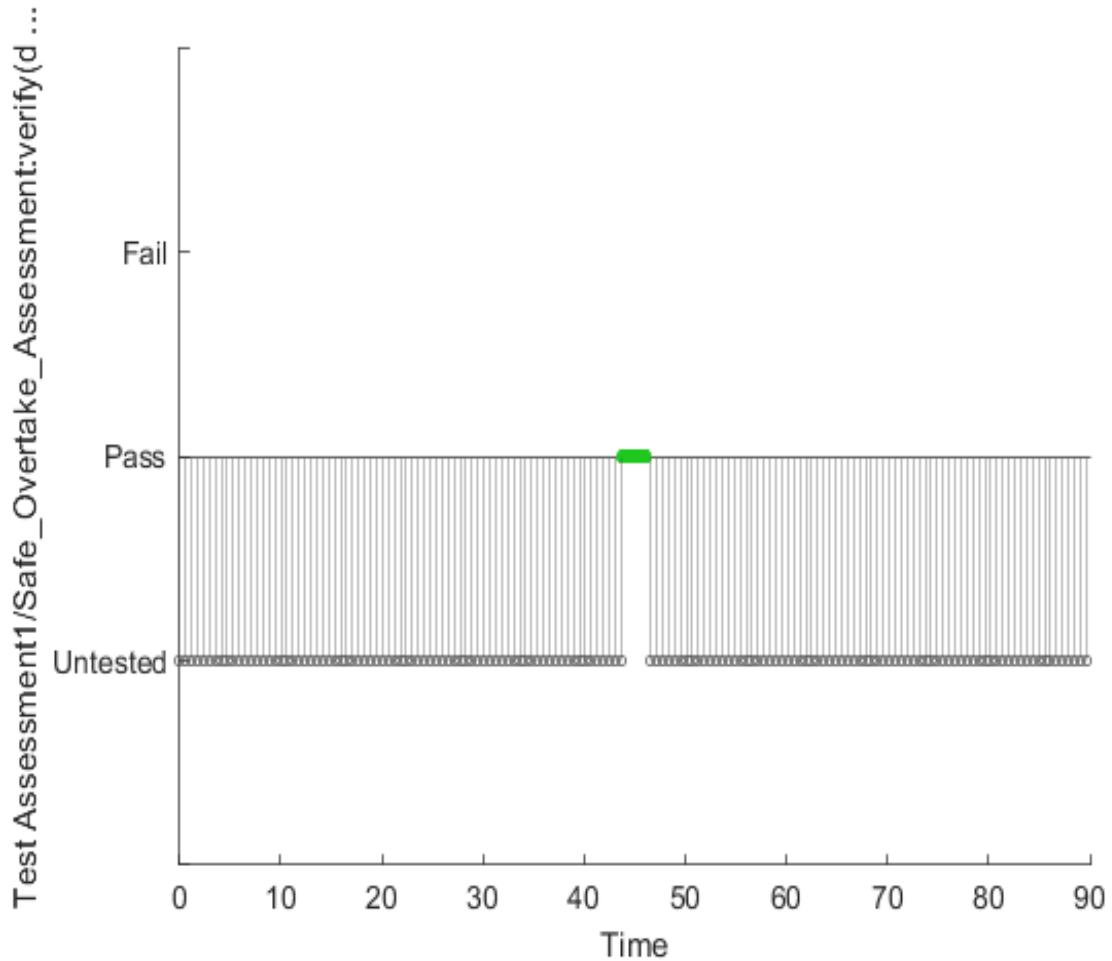
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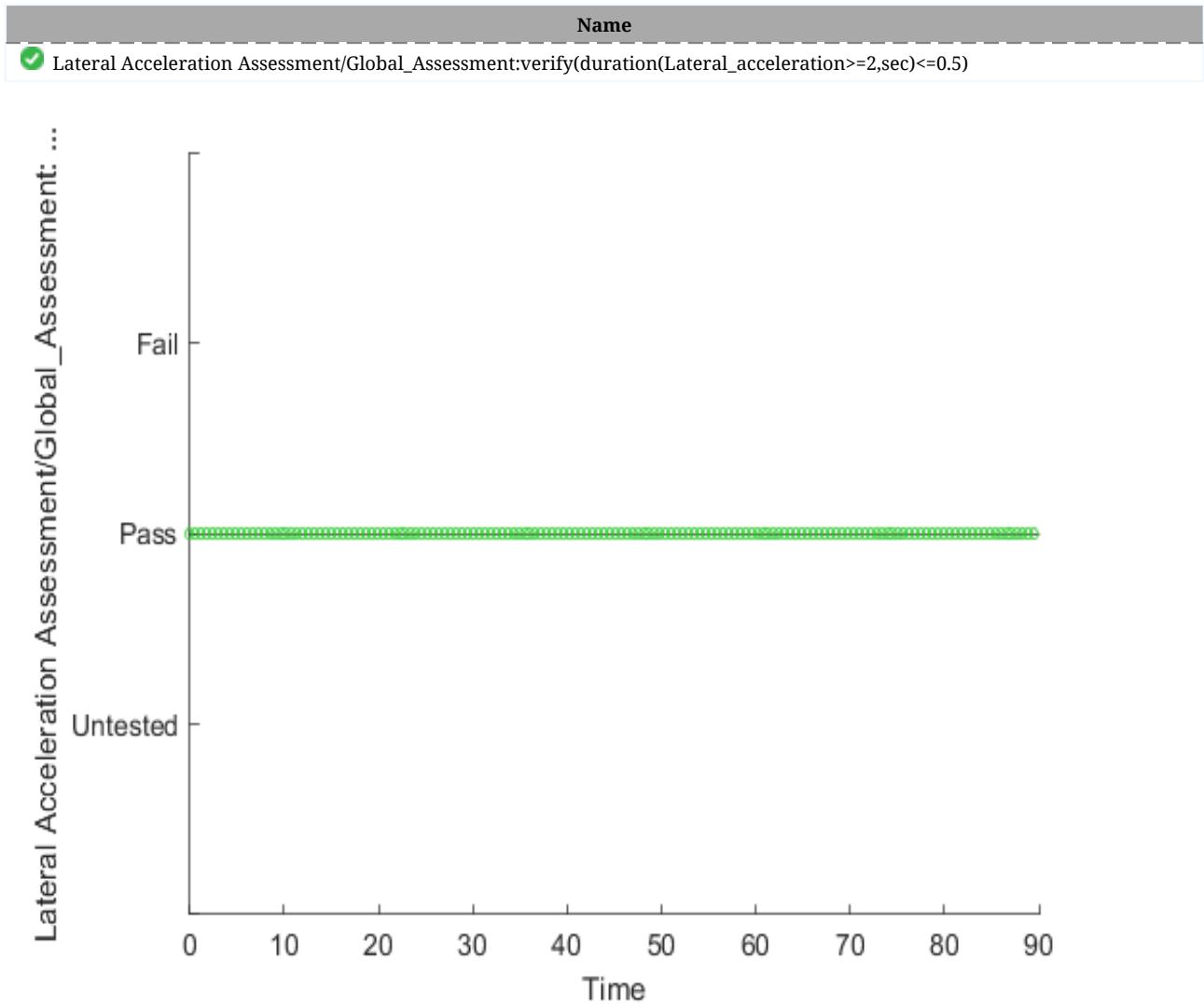
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

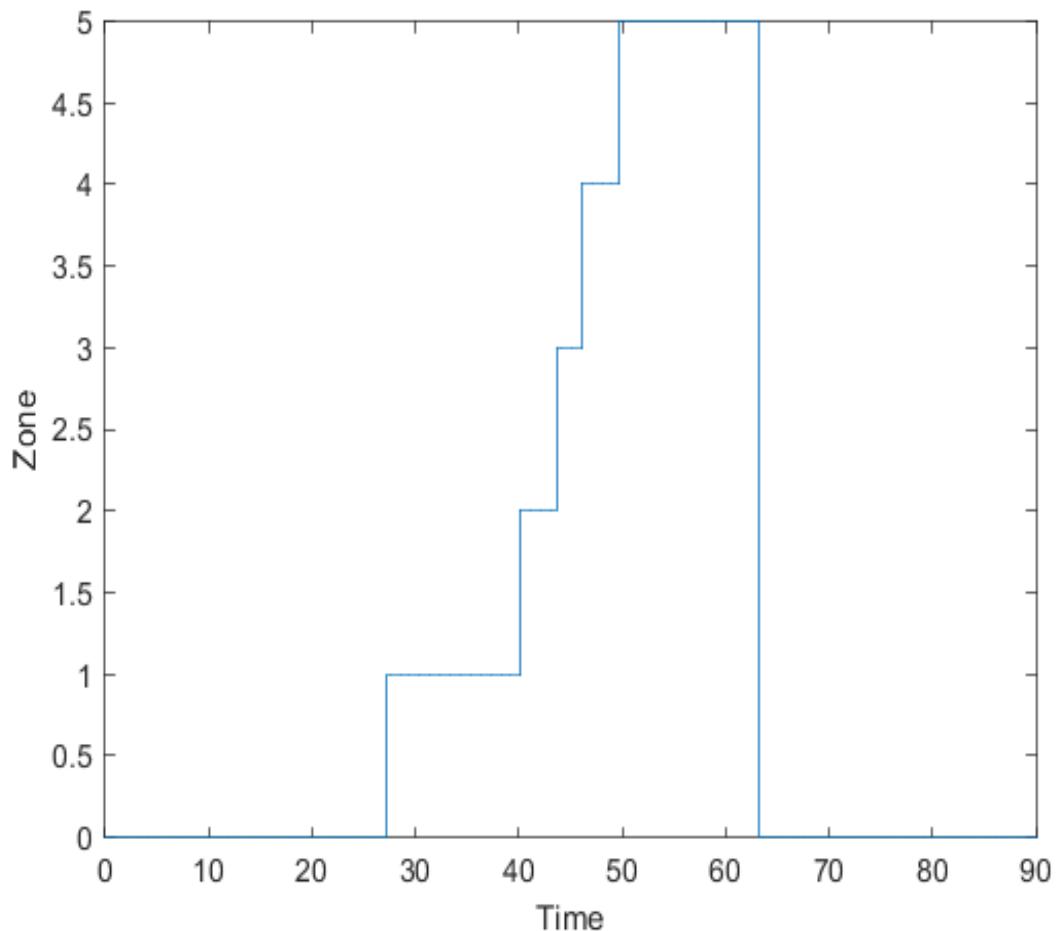
Start Time: 0  
Stop Time: 90  
Checksum: 1925944679 404321607 95742990 3079759977

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

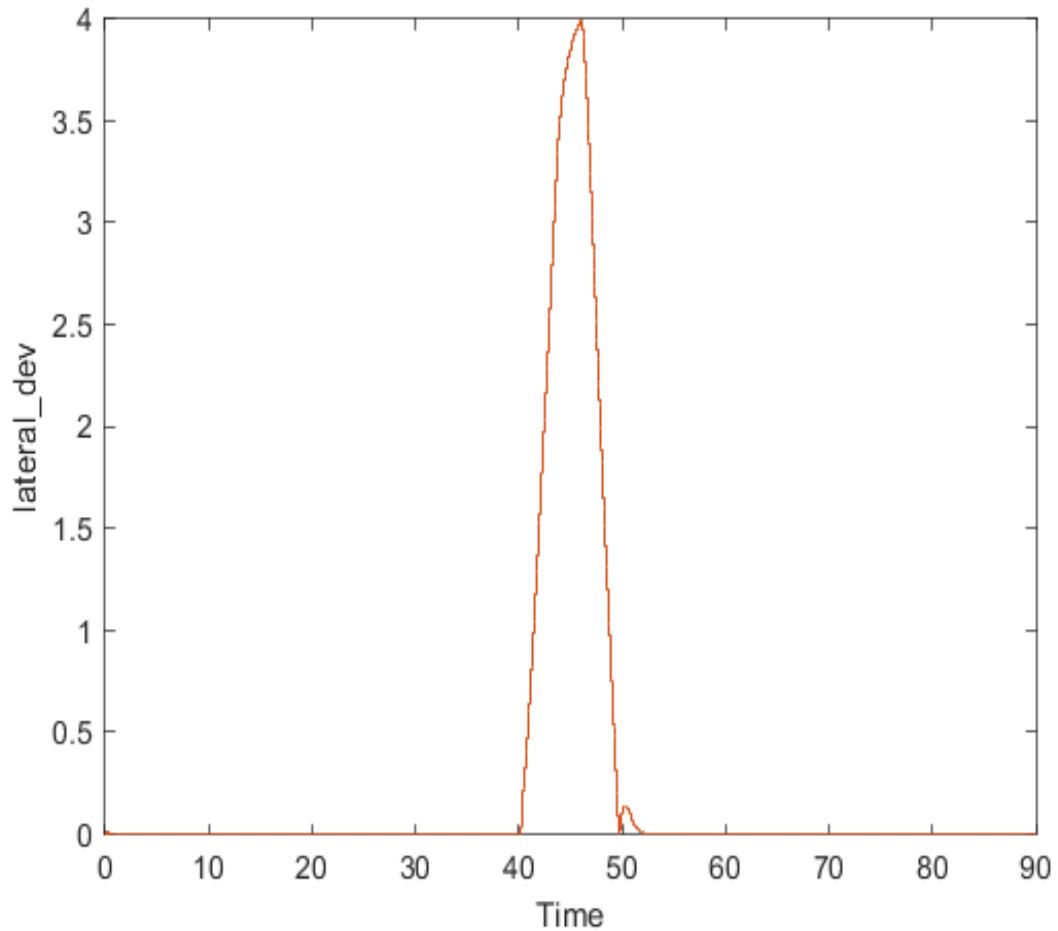
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -110° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:44:14  
End Time: 19-May-2021 21:44:24  
Outcome: Passed

## Test Case Information

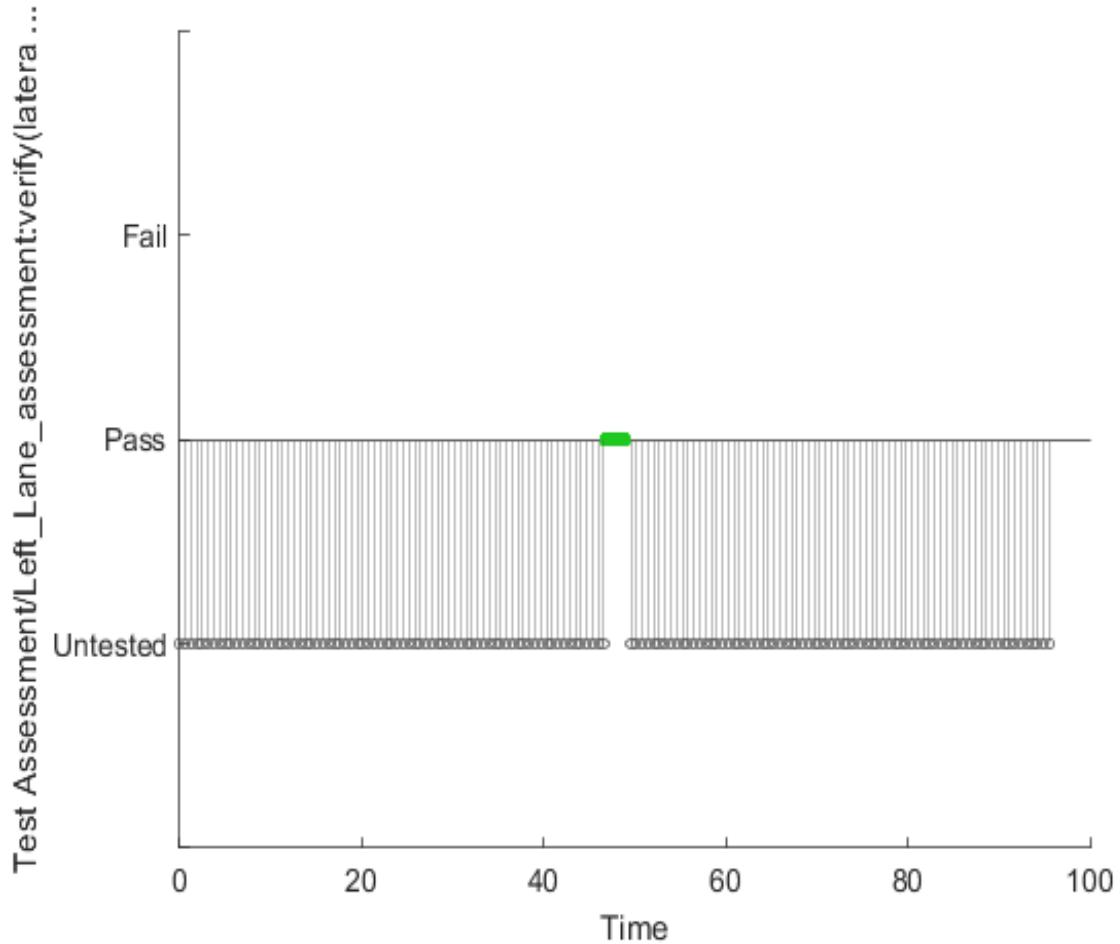
Name: -110° 40km/h  
Type: Simulation Test

## Verify Result

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

Name

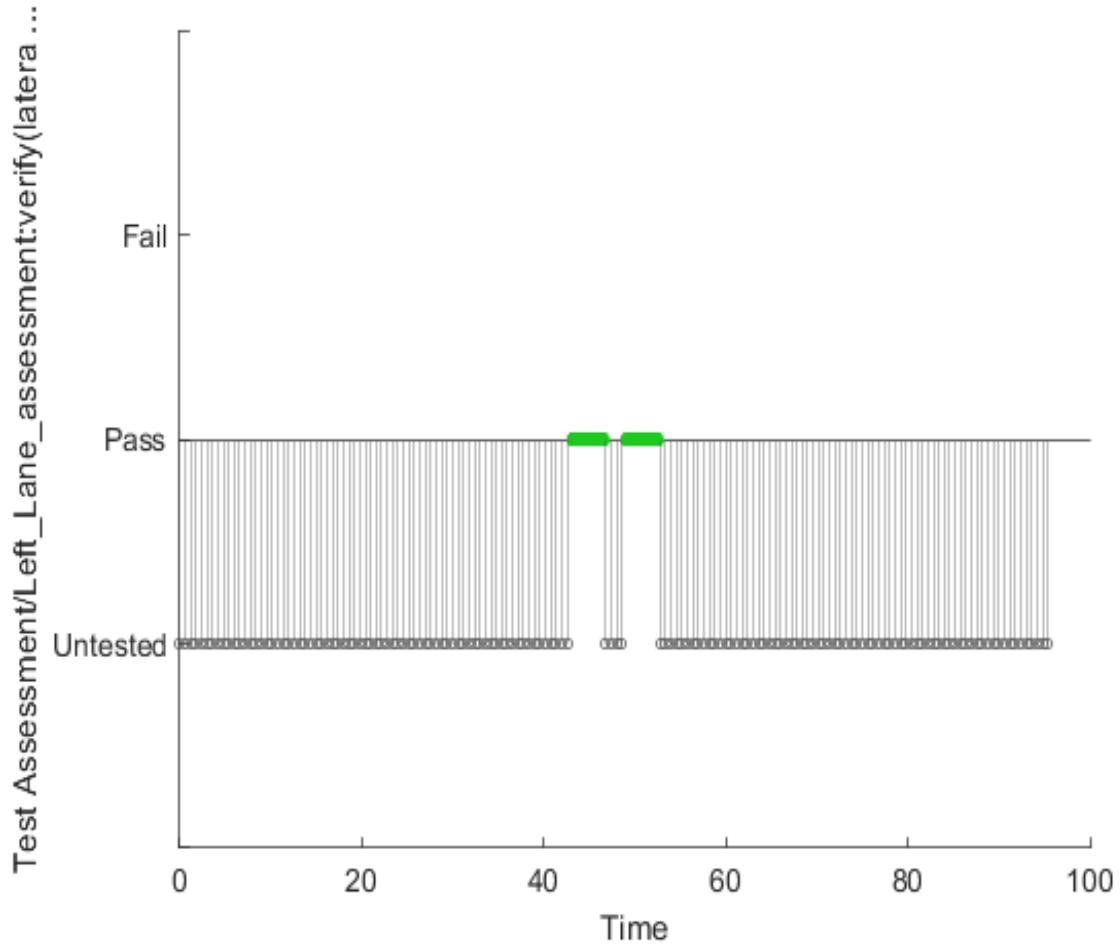
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

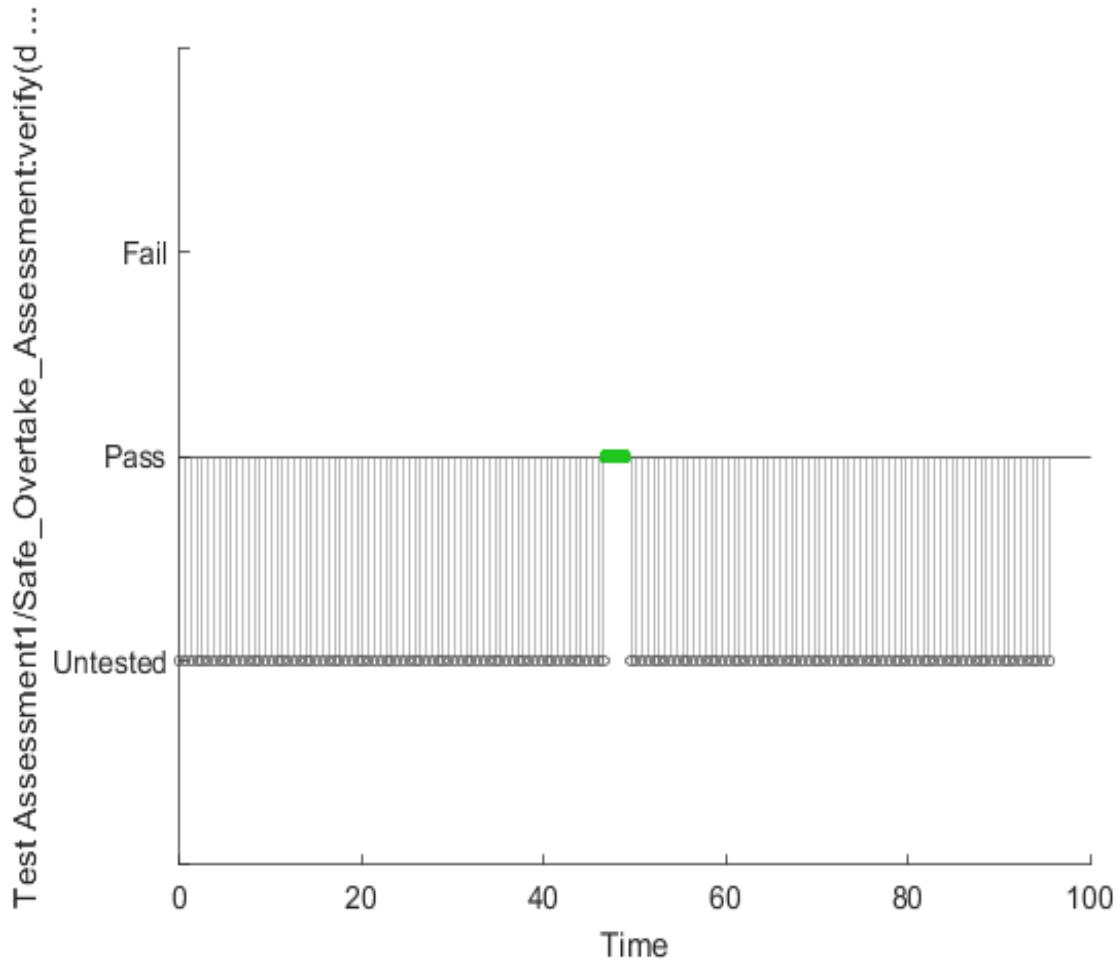
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



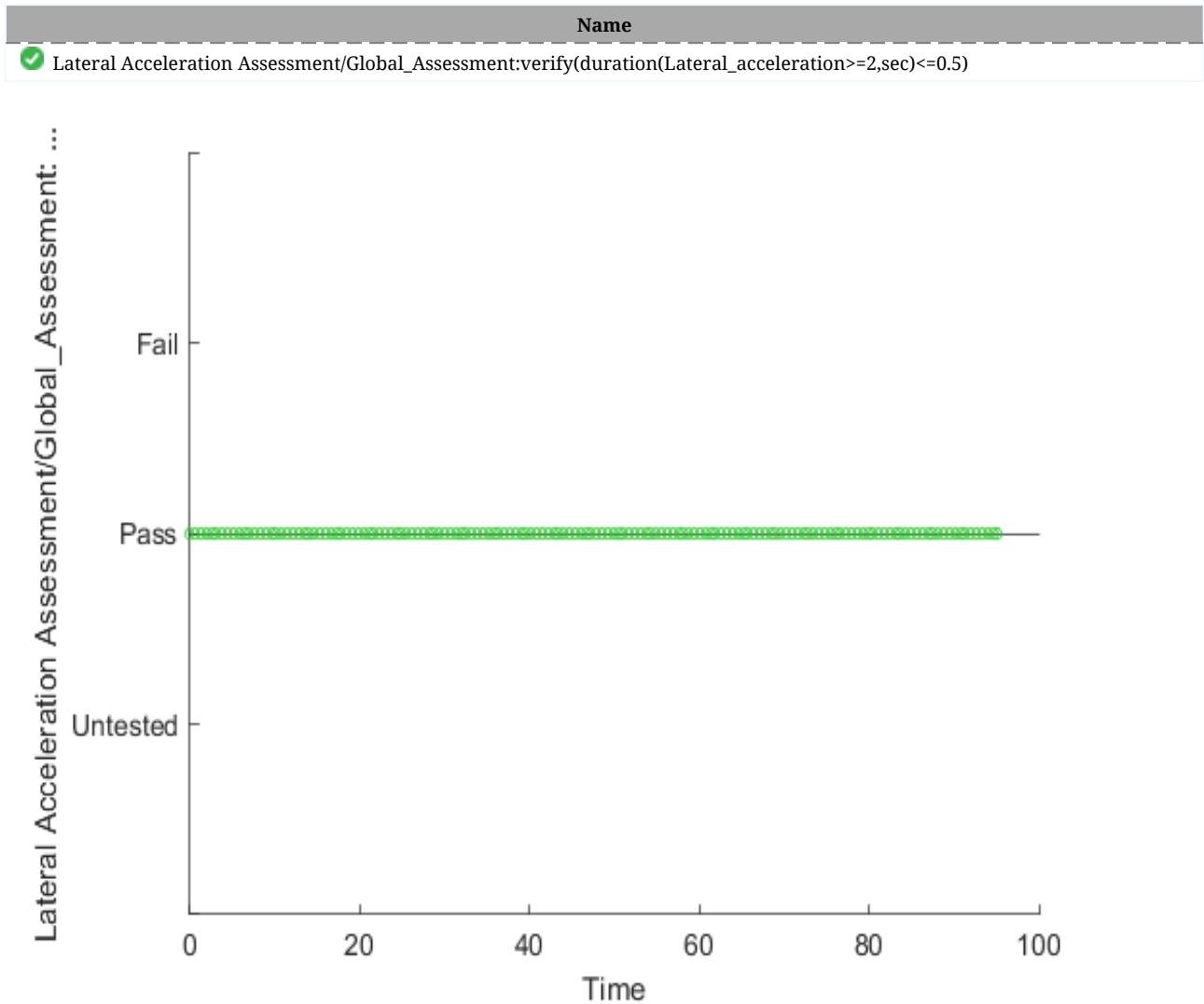
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

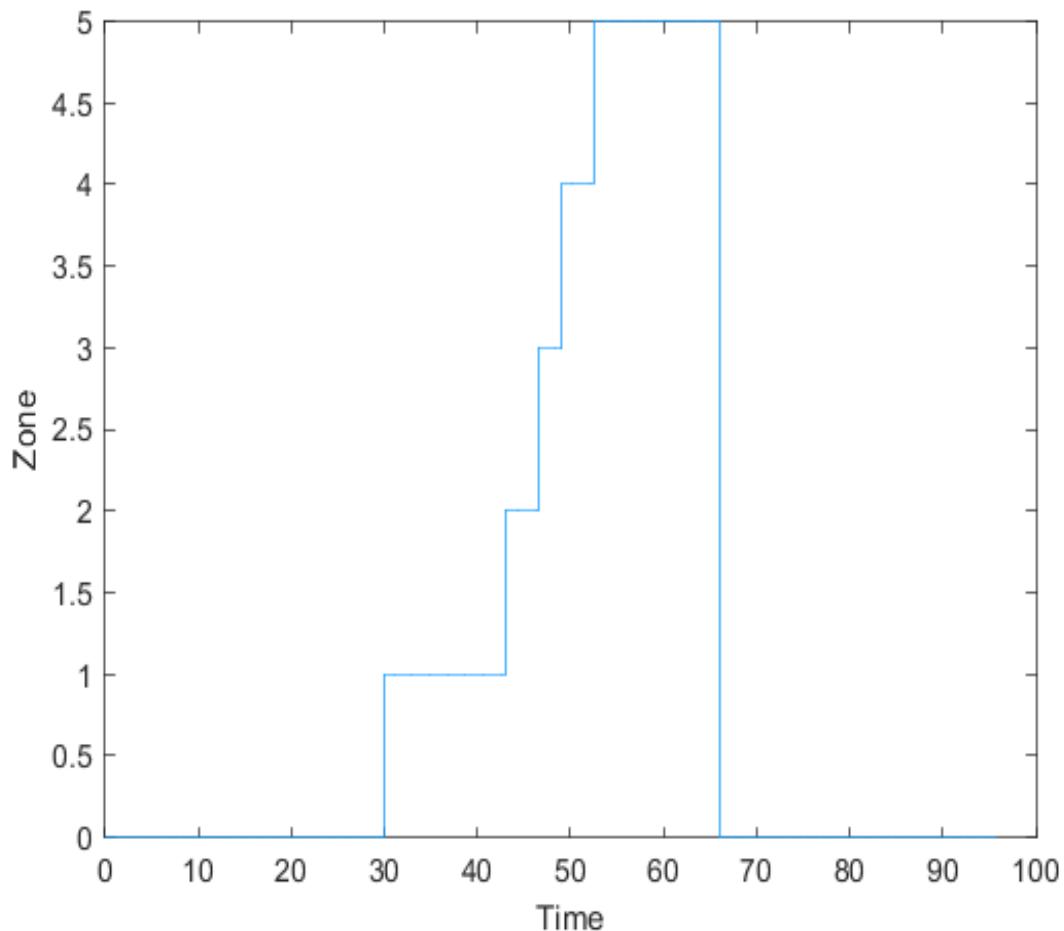
Start Time: 0  
Stop Time: 95.77691579916322  
Checksum: 3732168733 1931266132 1495074700 1168616824

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

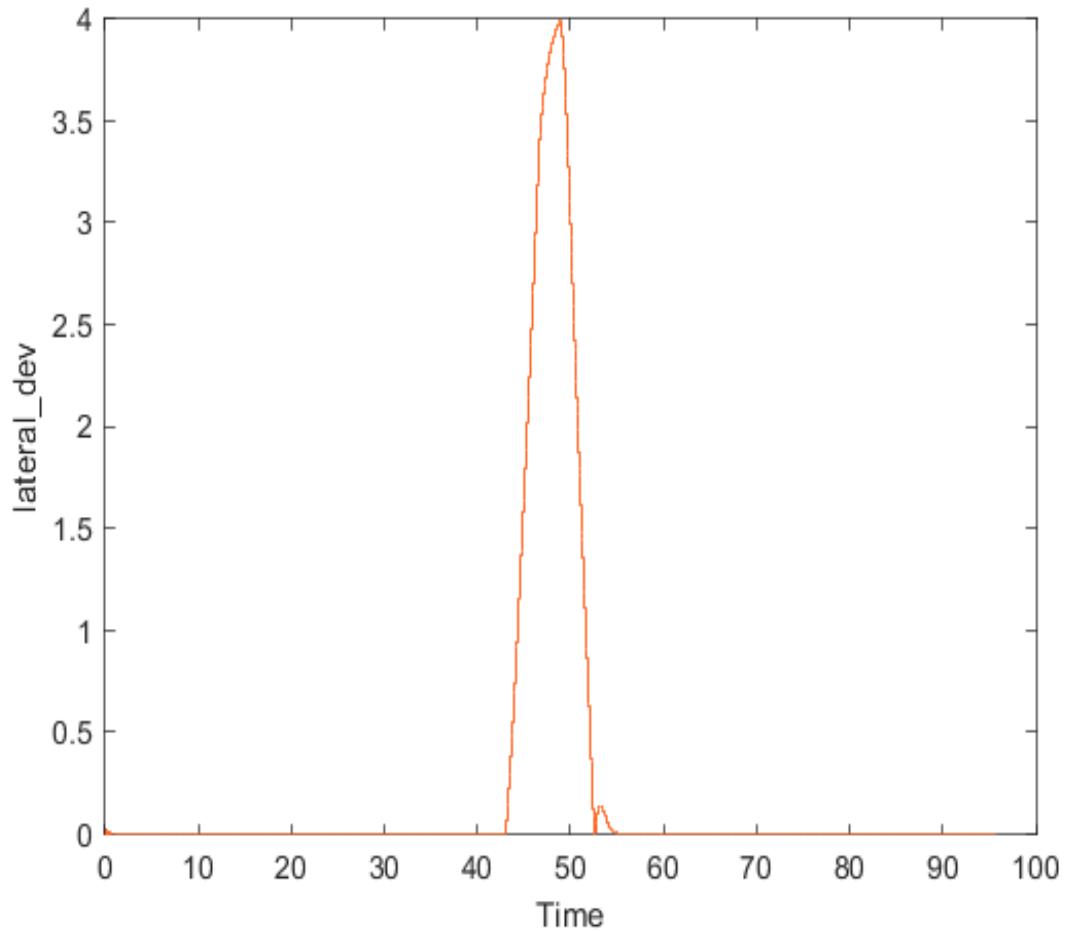
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -135° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

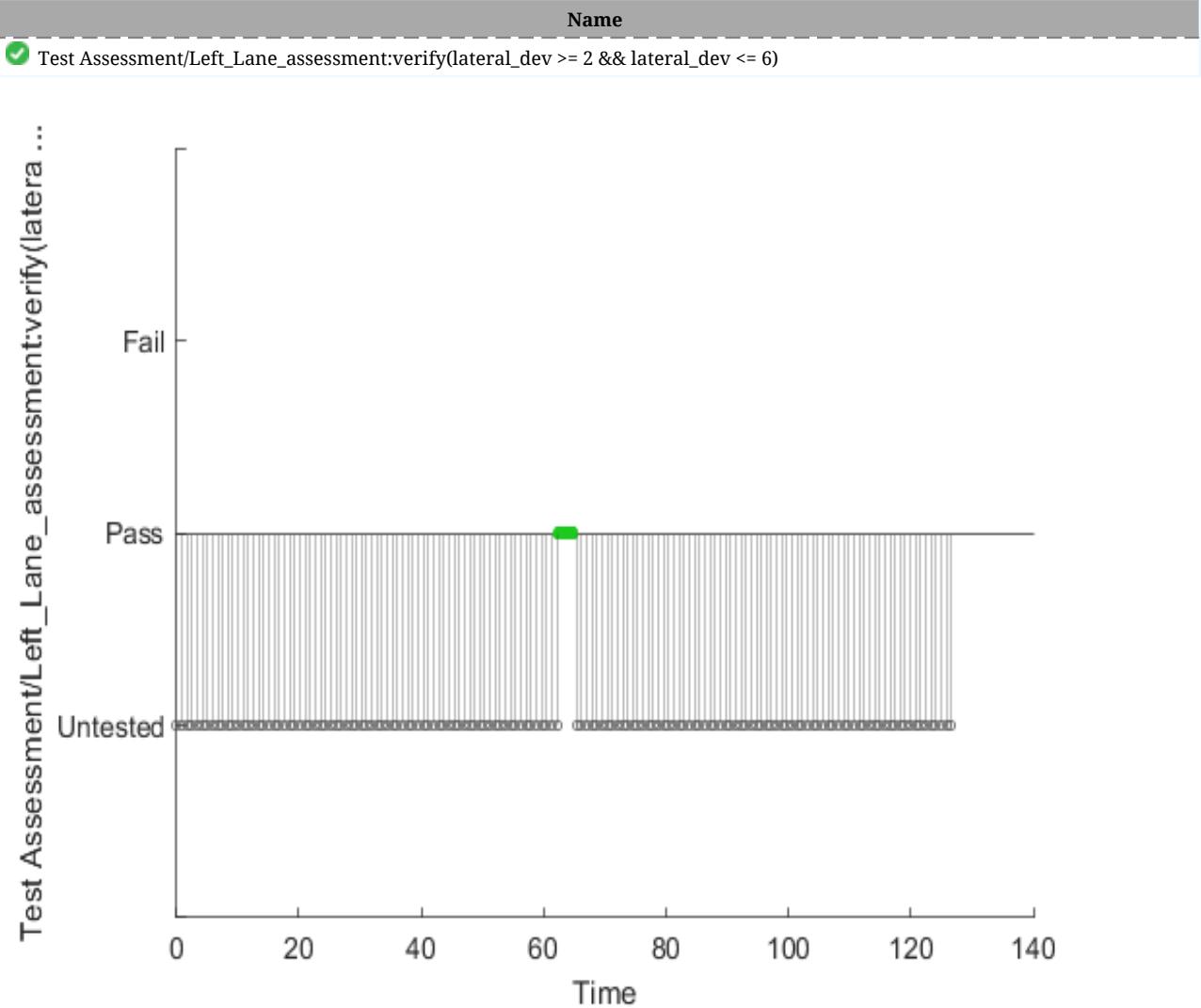
Start Time: 19-May-2021 21:44:24  
End Time: 19-May-2021 21:44:37  
Outcome: Passed

## Test Case Information

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

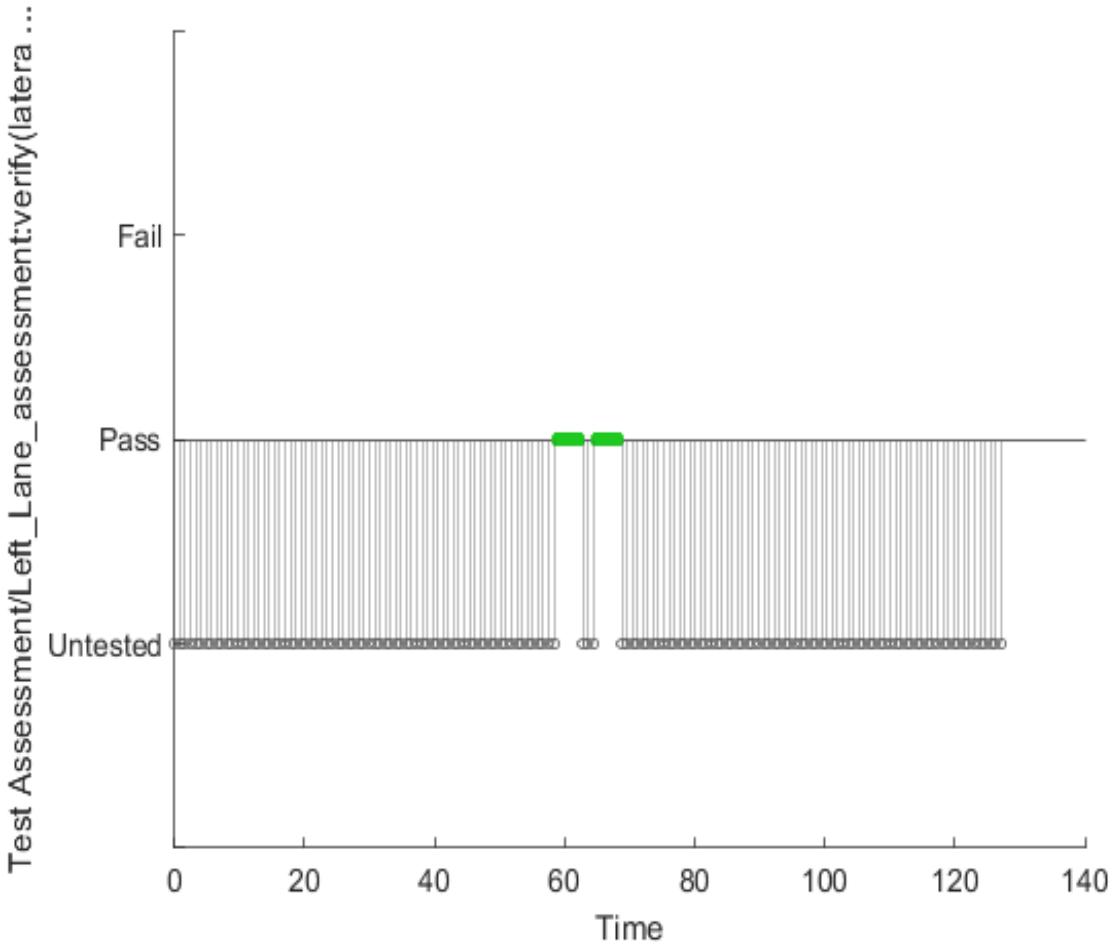
## Verify Result

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



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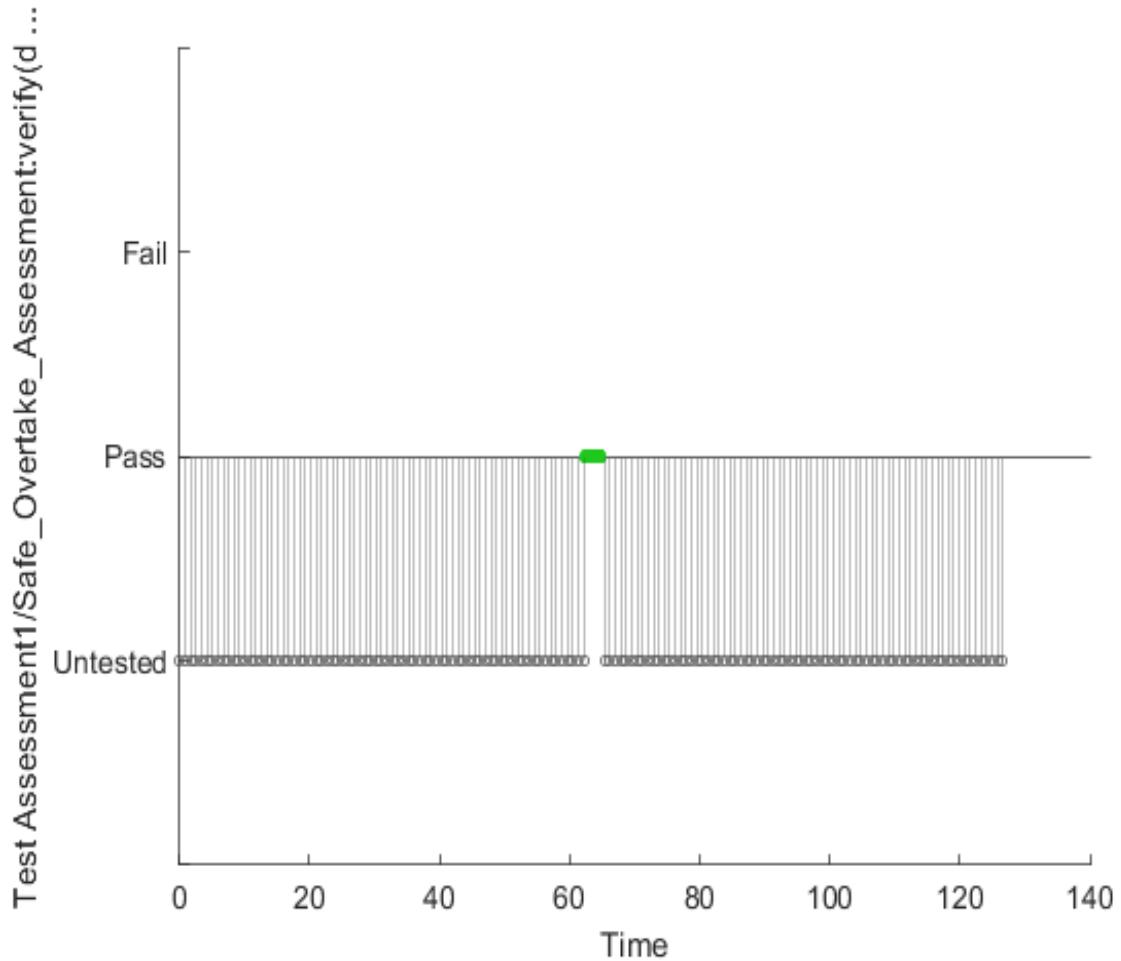
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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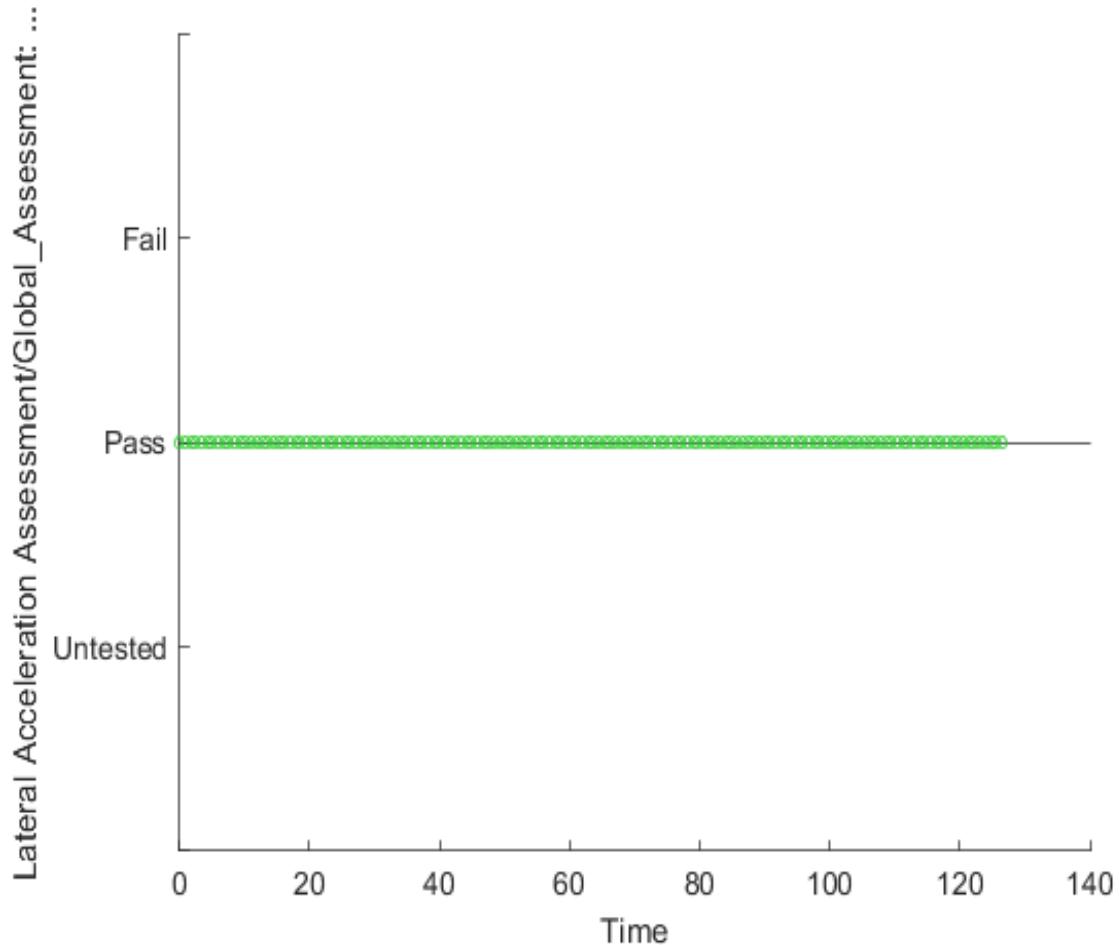
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

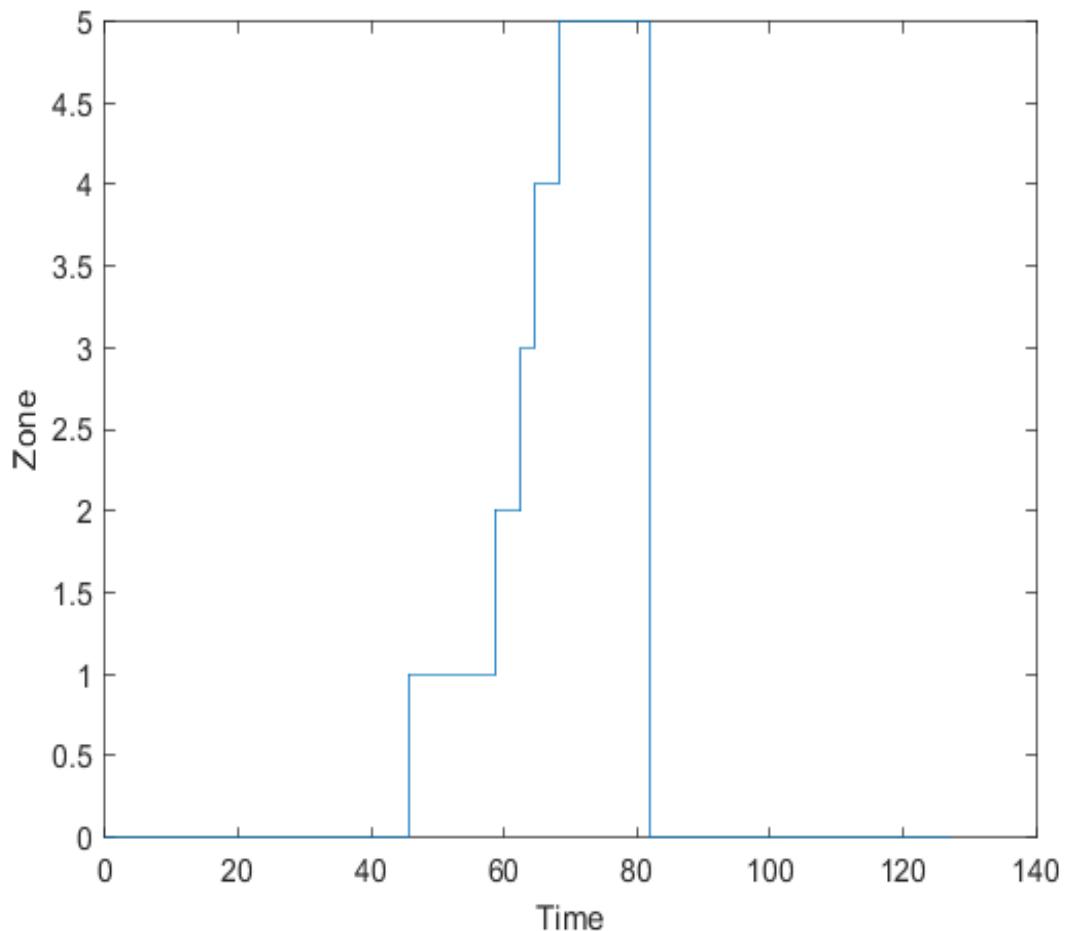
Start Time: 0  
Stop Time: 127.27922061357856  
Checksum: 1075694502 1601658798 3666871698 1970155479

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

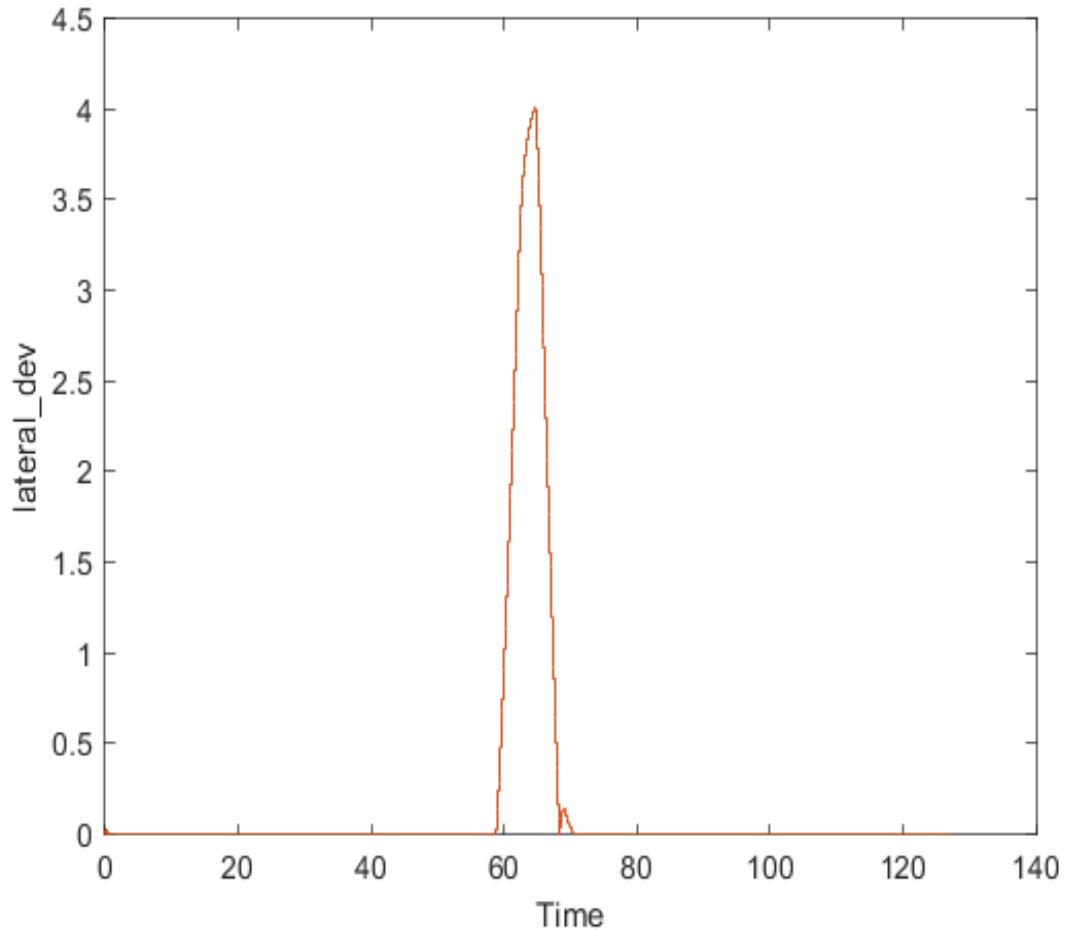
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -160° 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_40km/h](#)

Start Time: 19-May-2021 21:44:37  
End Time: 19-May-2021 21:45:07  
Outcome: Passed

## Test Case Information

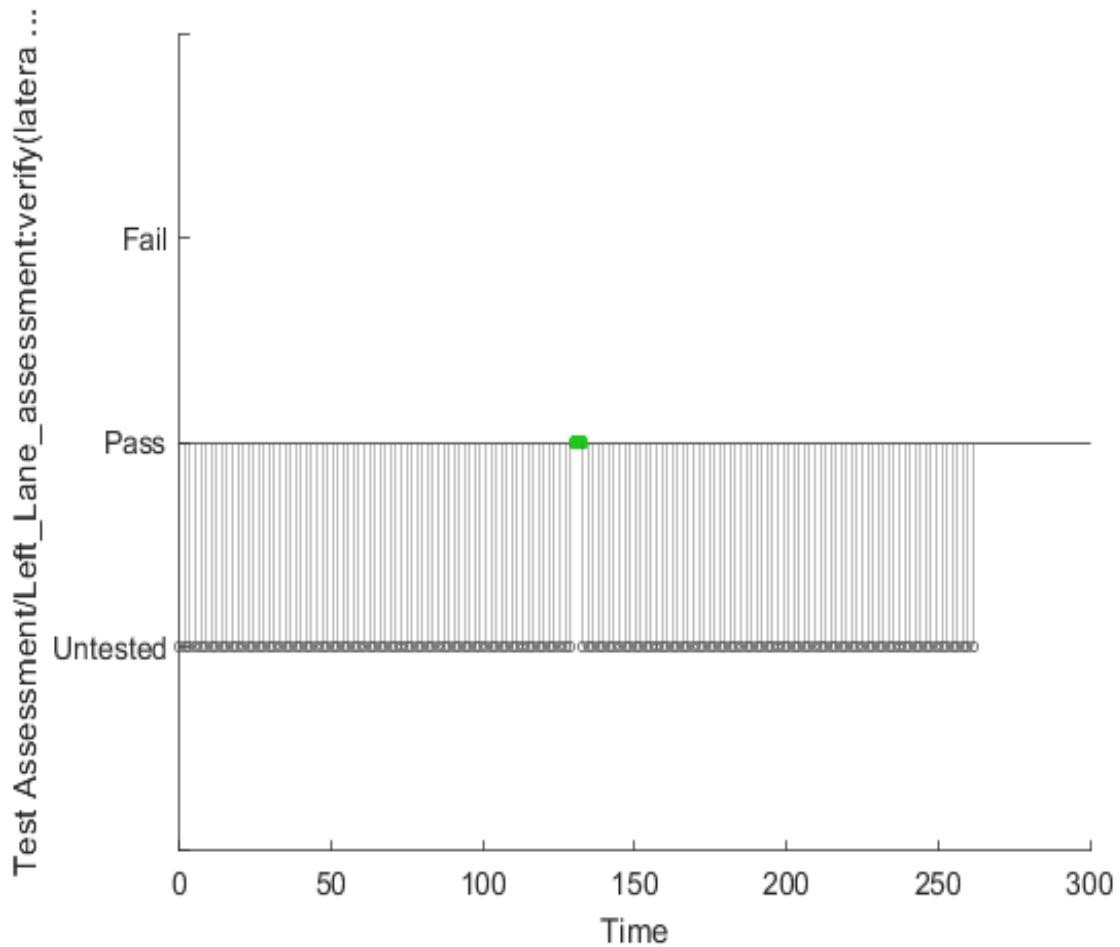
Name: -160° 40km/h  
Type: Simulation Test

## Verify Result

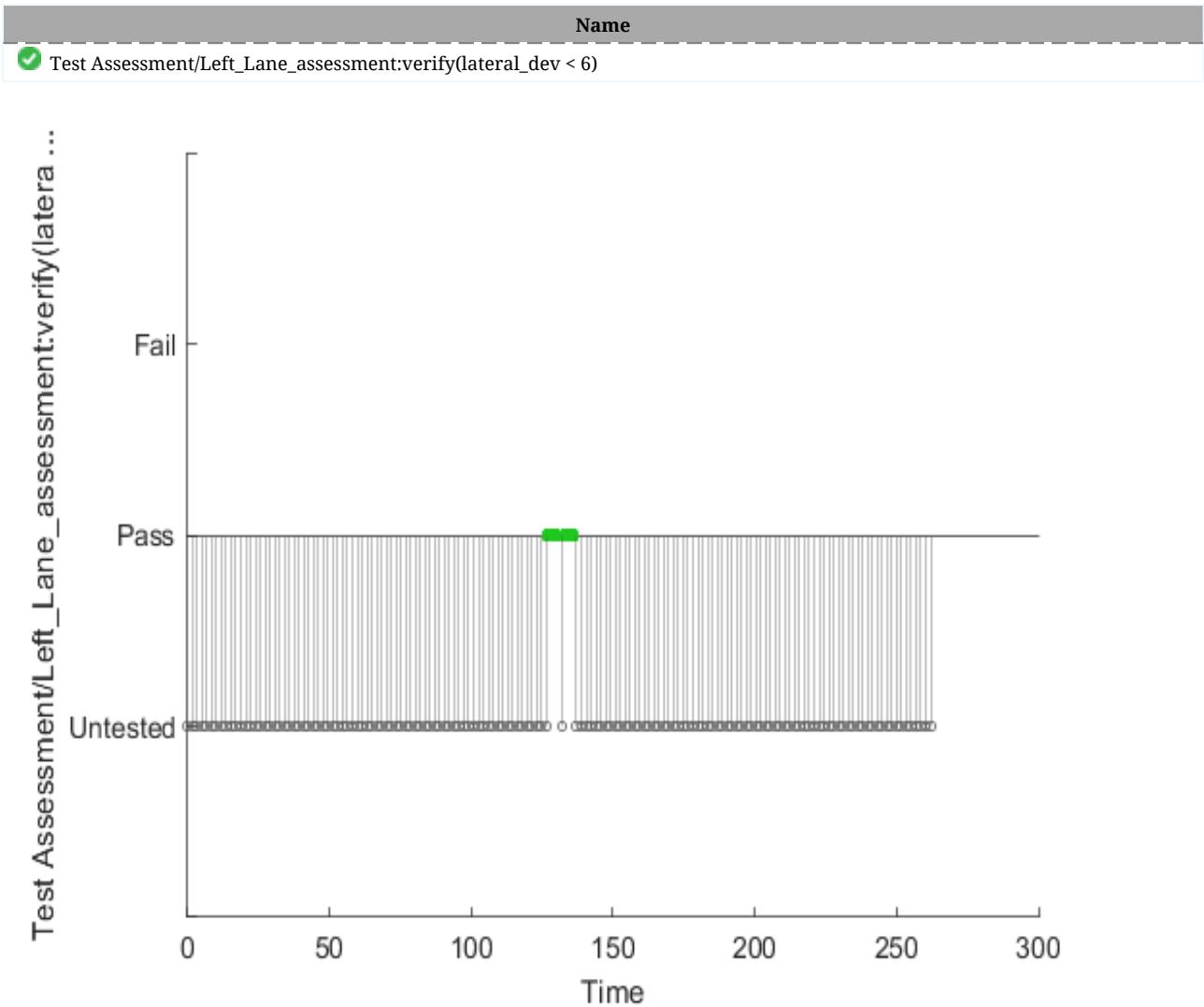
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



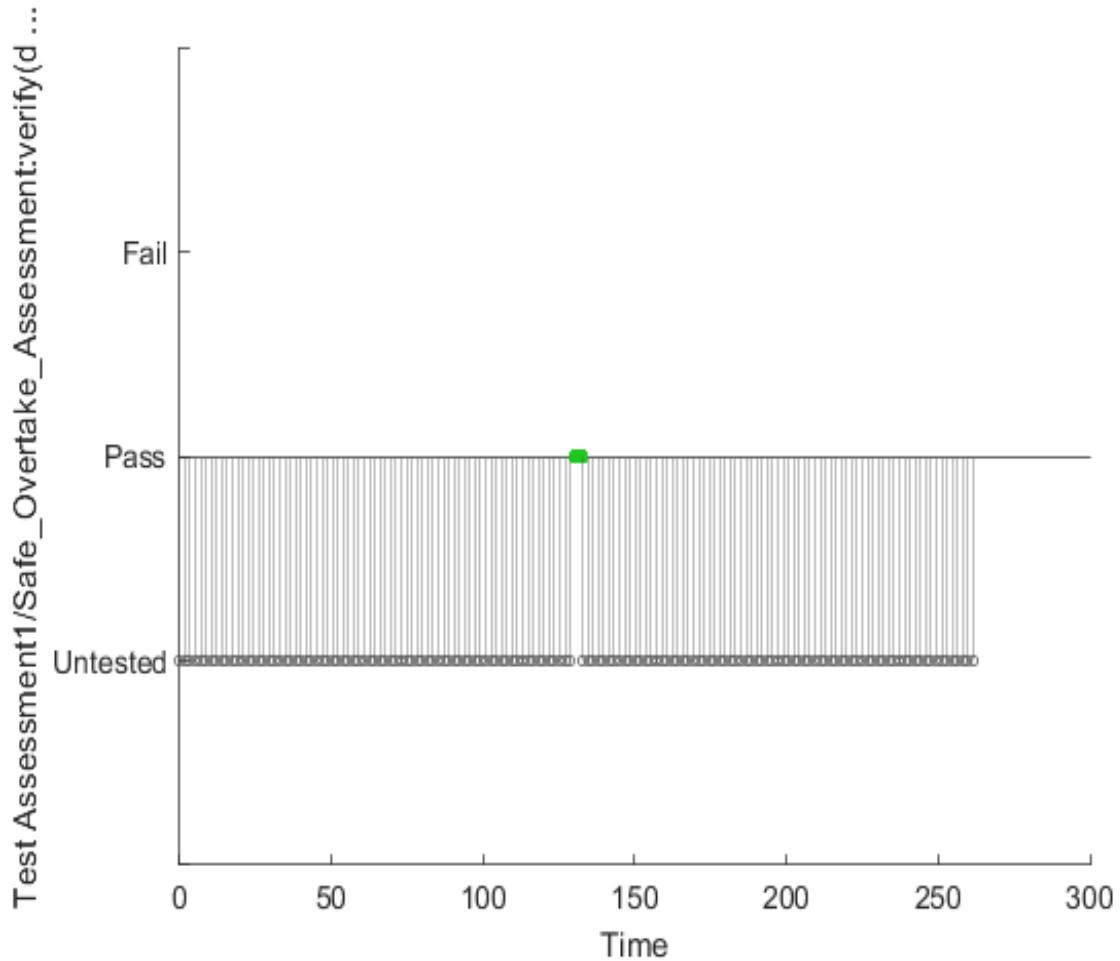
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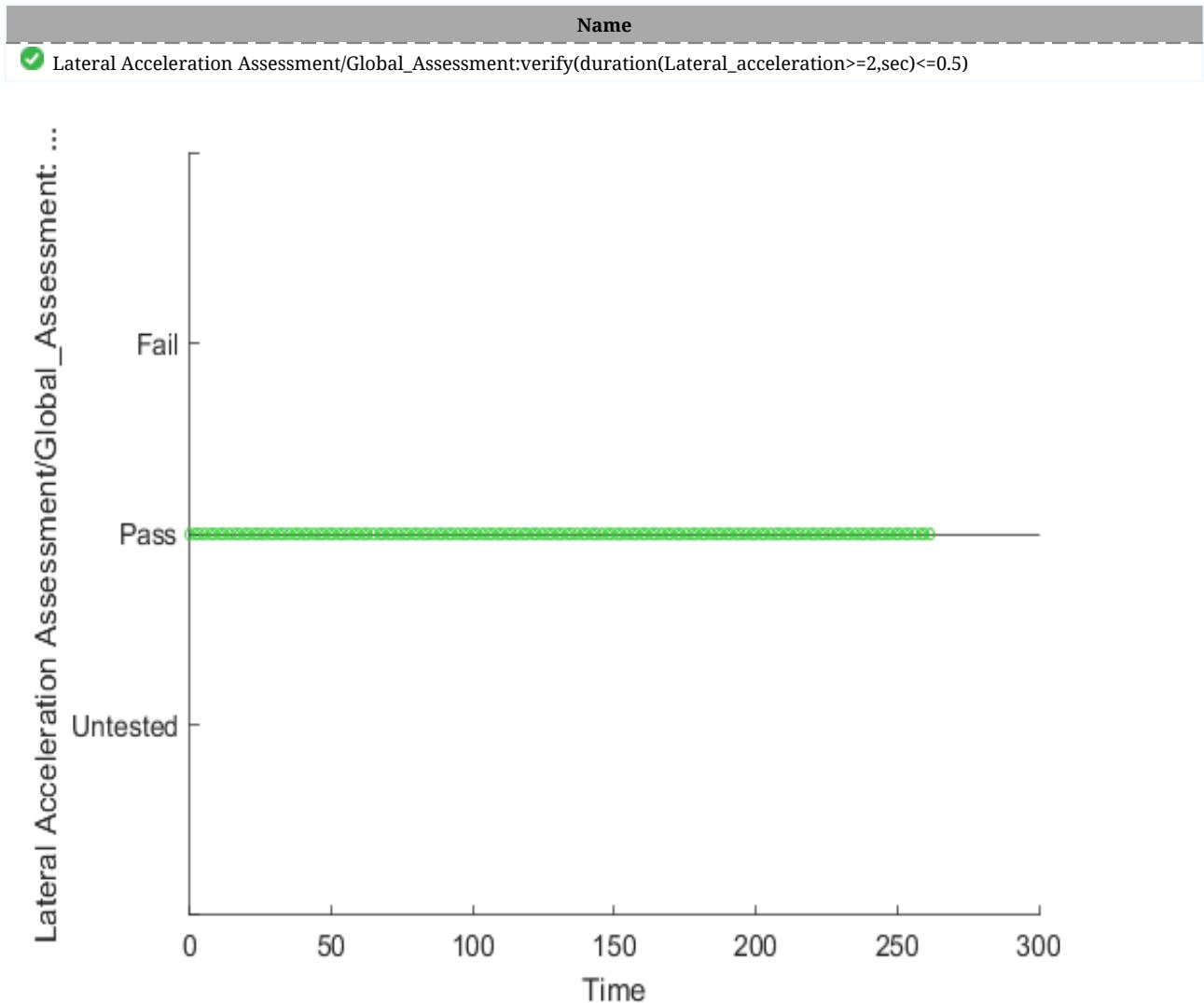
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

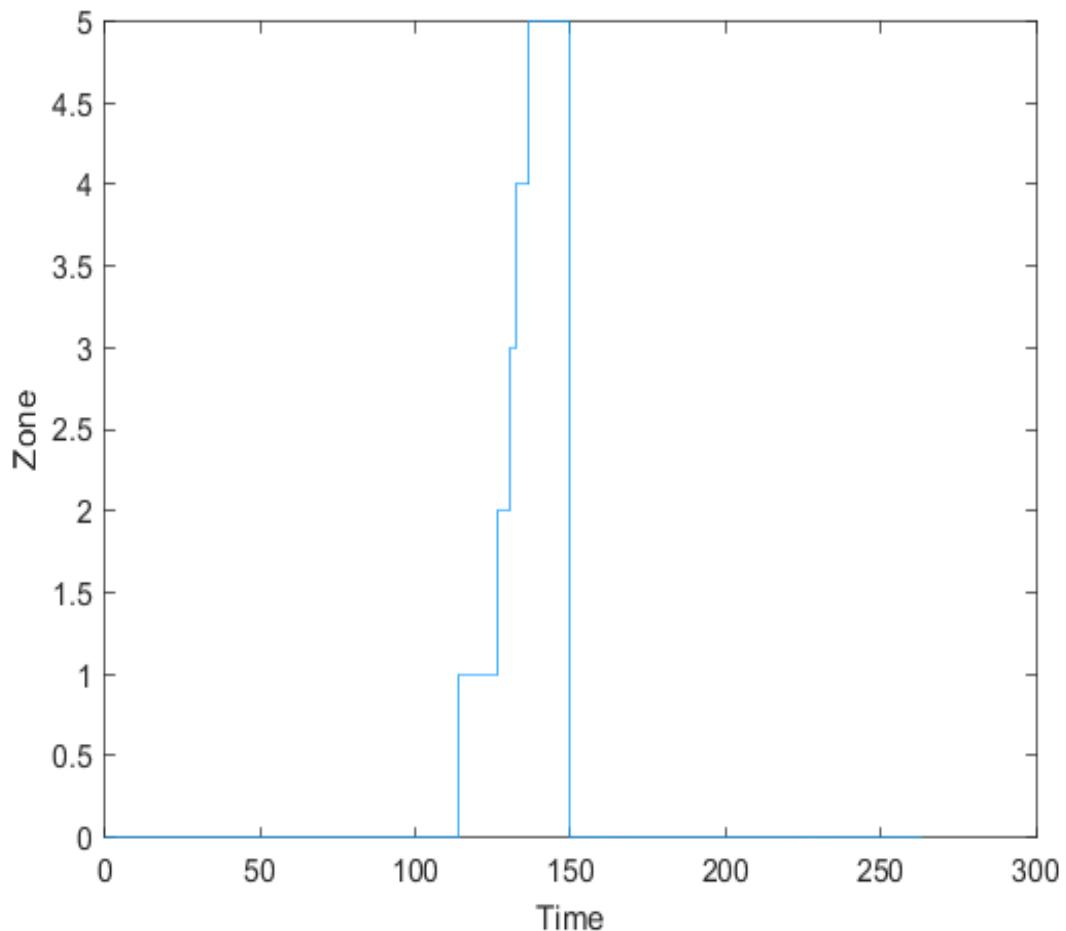
Start Time: 0  
Stop Time: 263.10201994663595  
Checksum: 2186892012 324113532 3066643177 1490285728

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

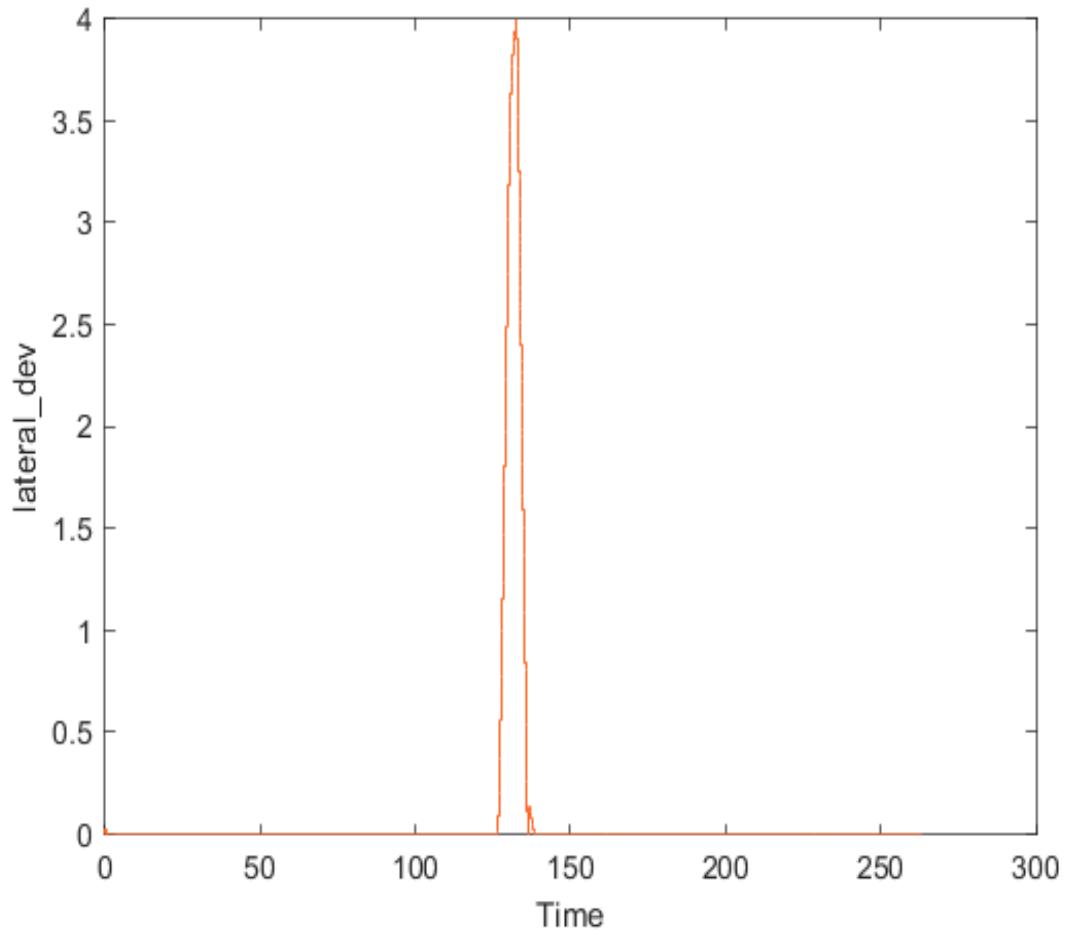
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature clockwise 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 40km/h](#)

Start Time: 19-May-2021 21:45:07  
End Time: 19-May-2021 21:46:13  
Outcome: Passed

## Test Case Information

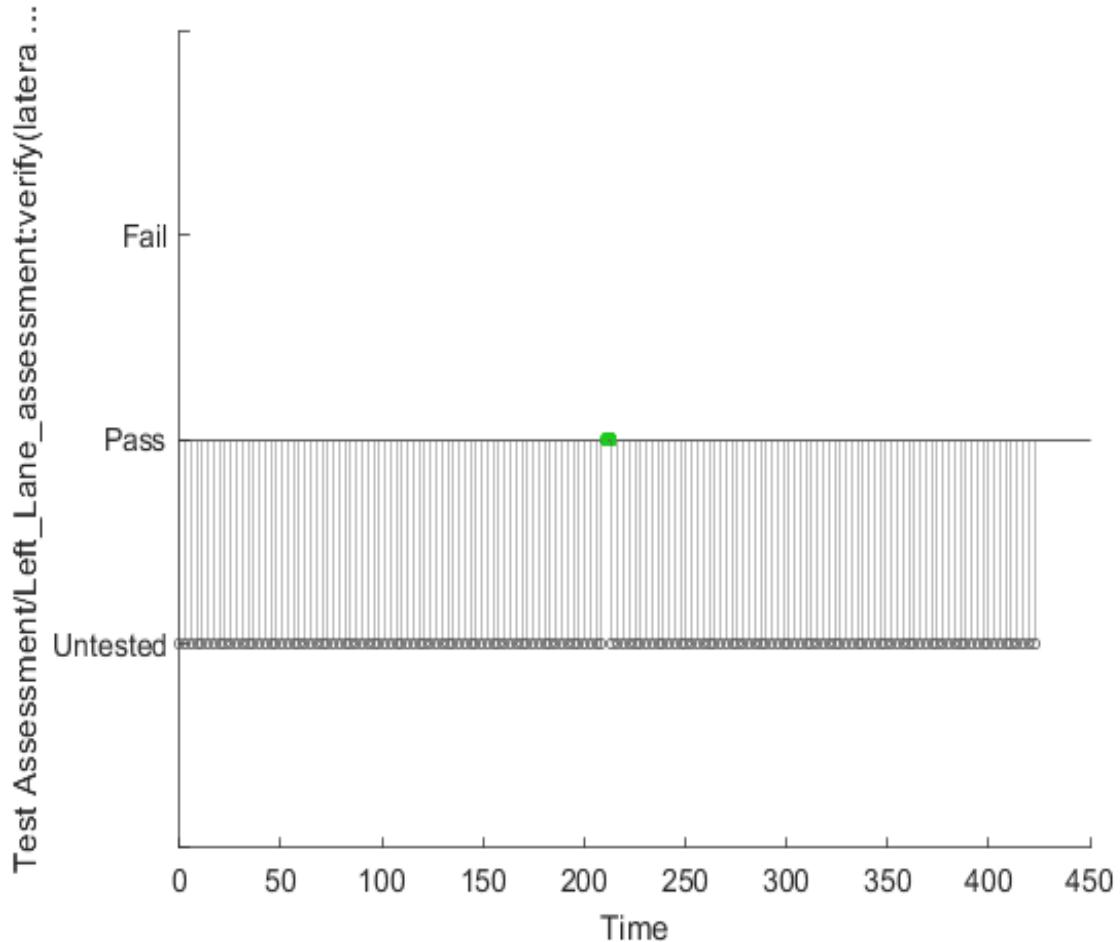
Name: 1000m curvature clockwise 40km/h  
Type: Simulation Test

## Verify Result

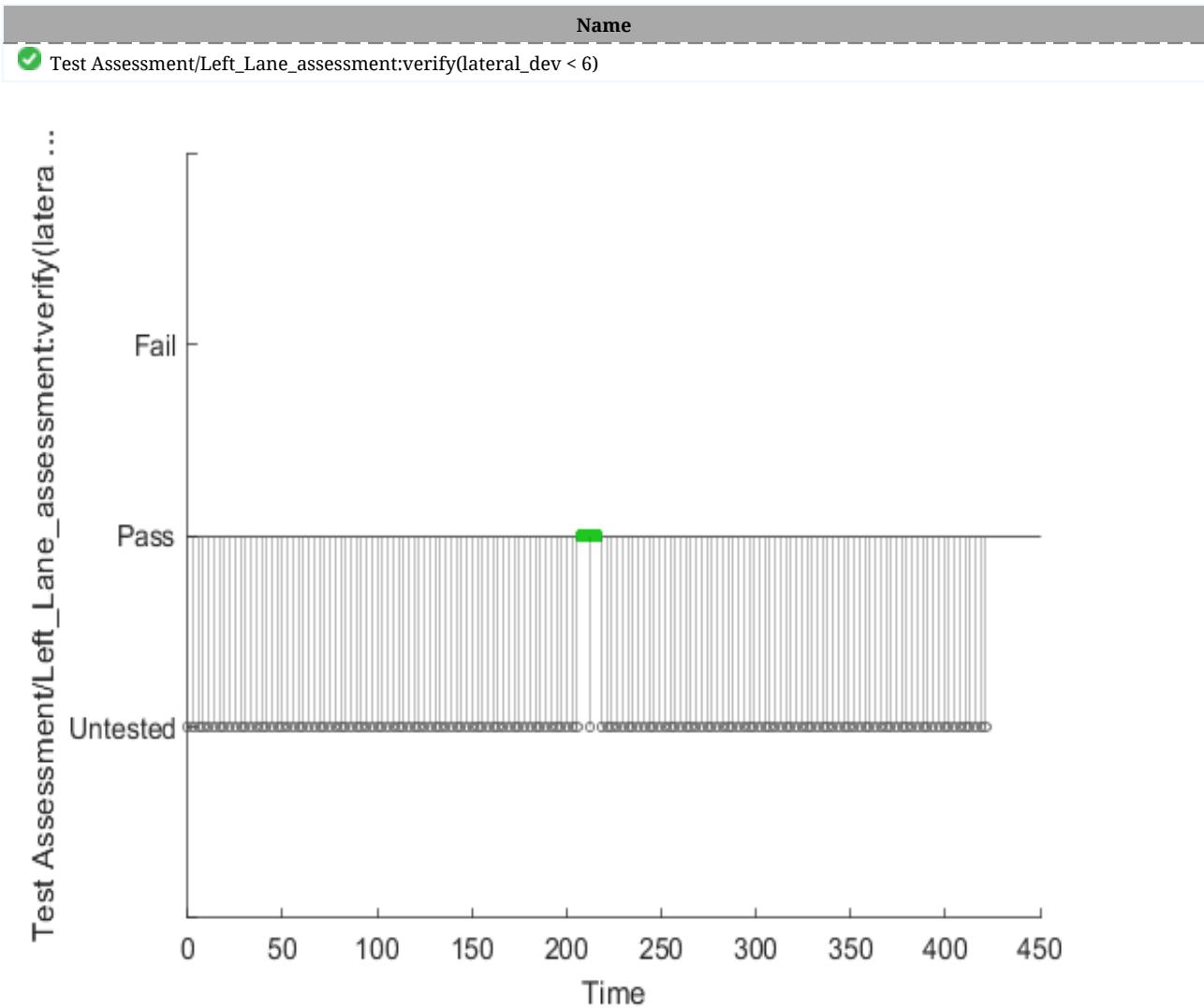
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



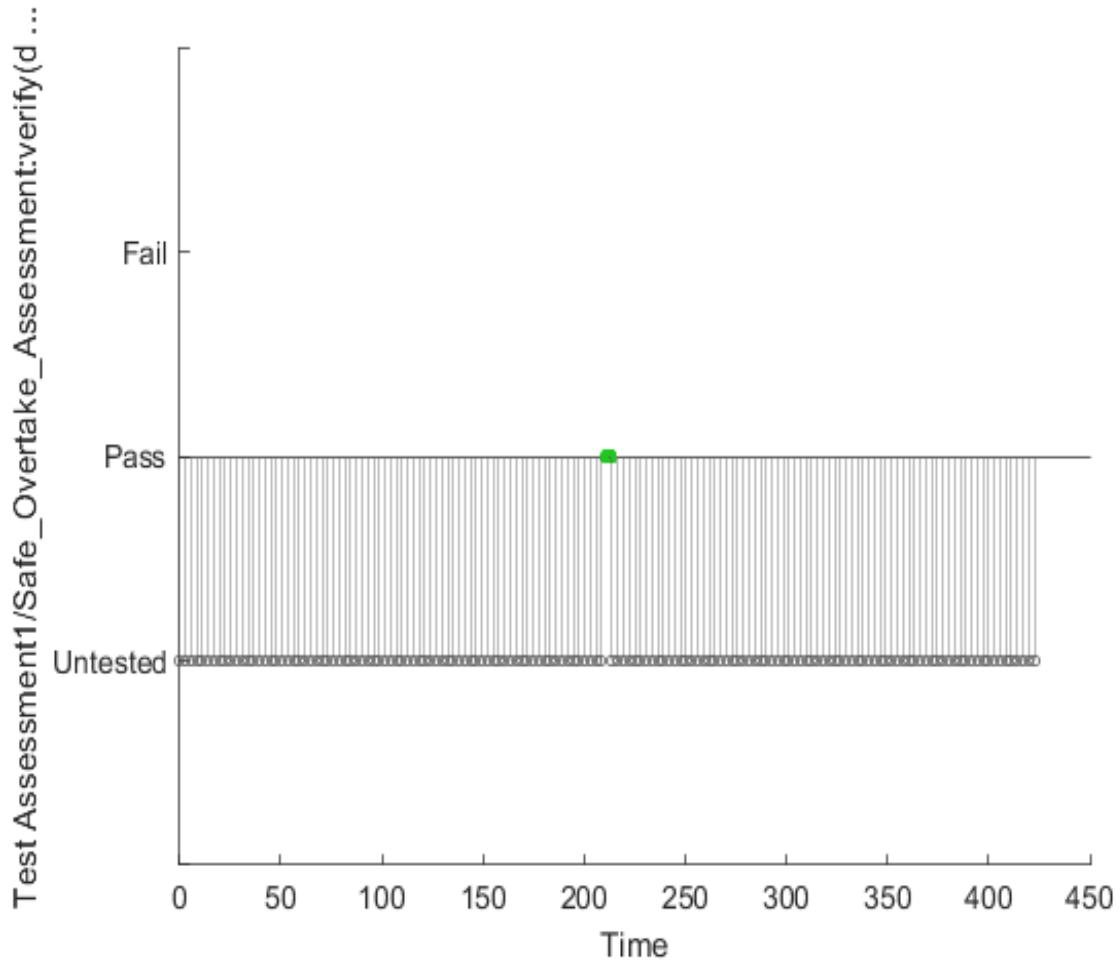
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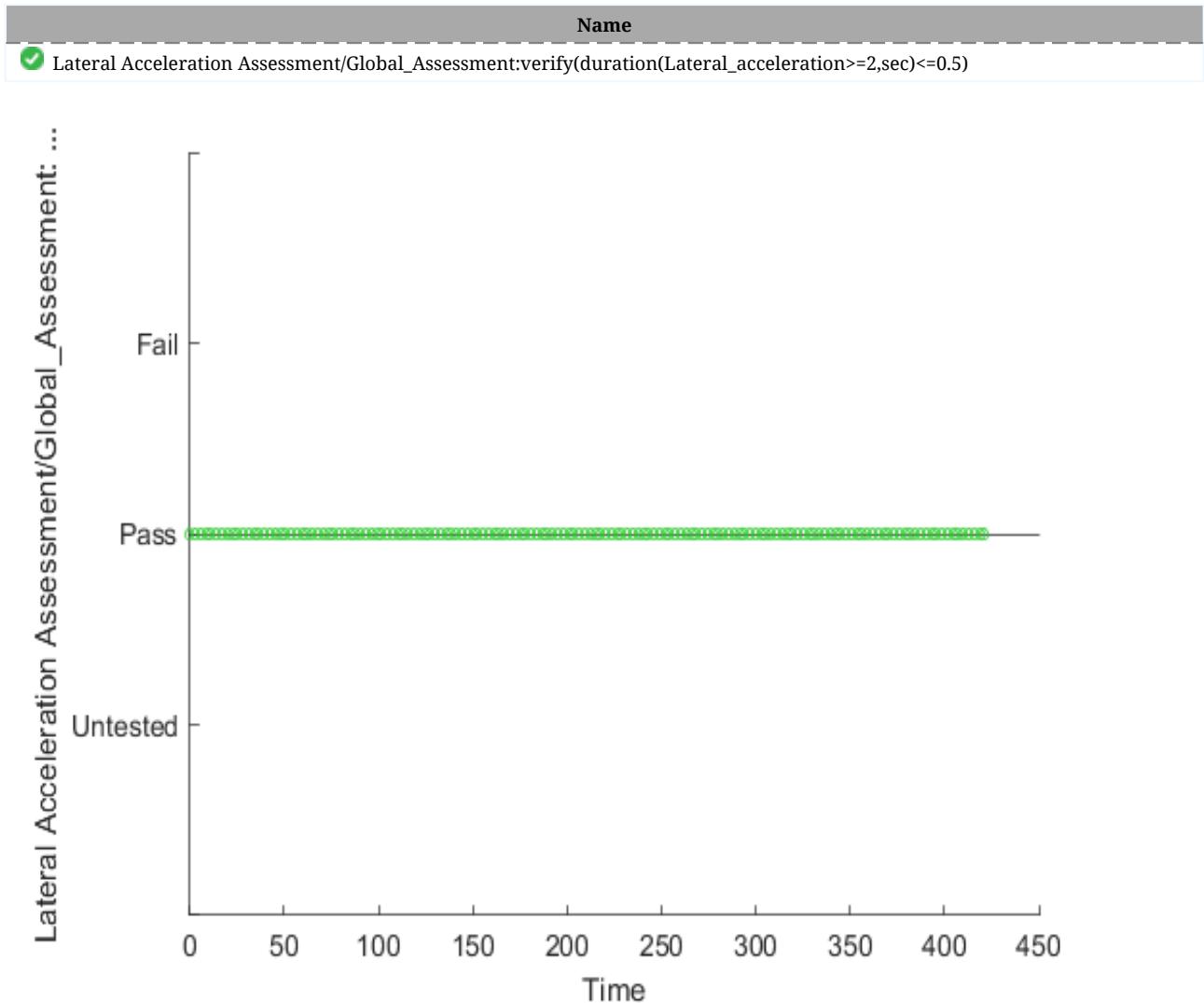
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

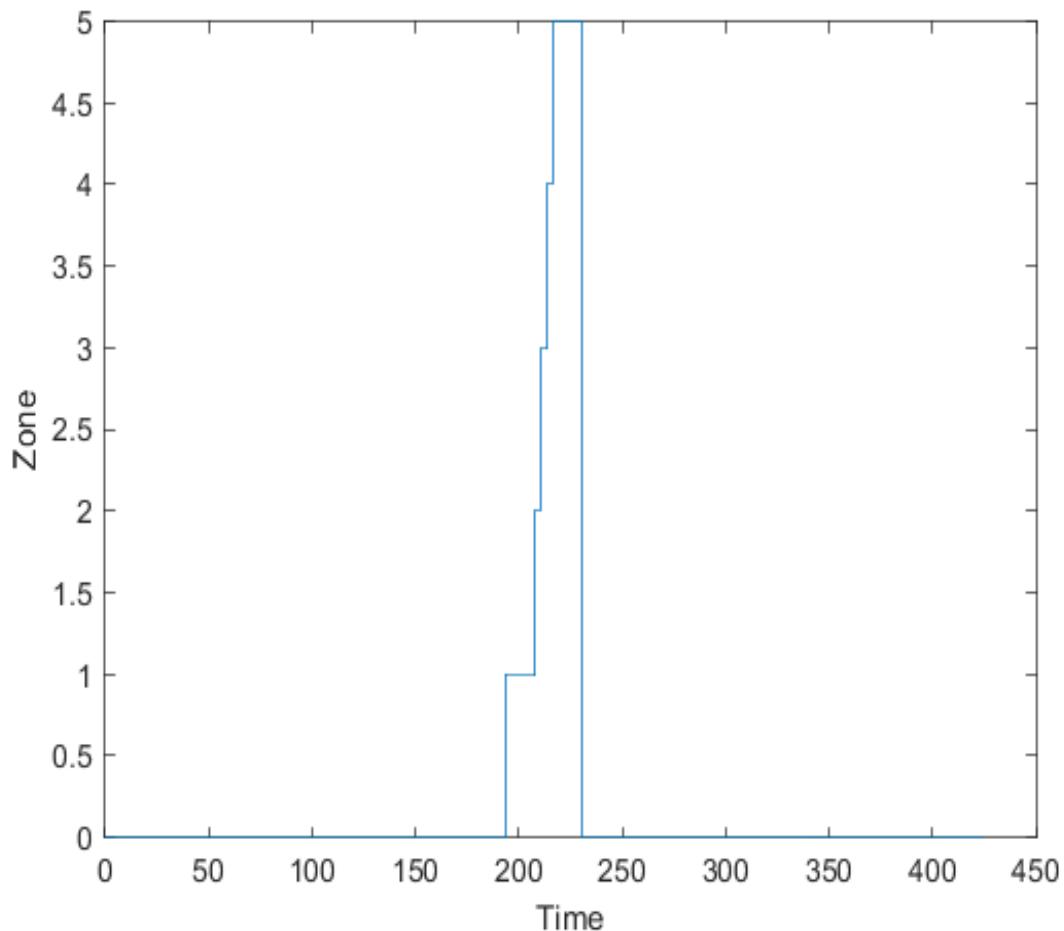
Start Time: 0  
Stop Time: 424.12000000024483  
Checksum: 3931183343 3051008935 2491778415 539767003

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

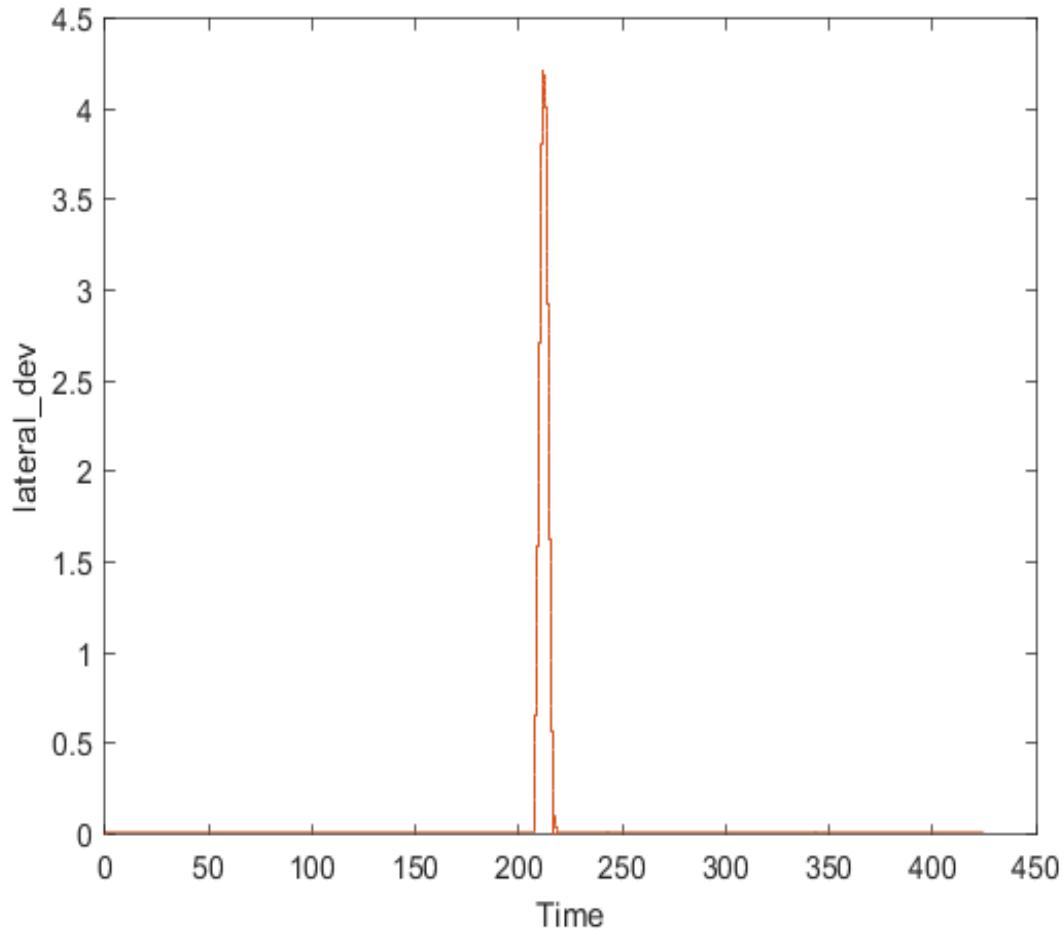
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature clockwise 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 40km/h](#)

Start Time: 19-May-2021 21:46:13  
End Time: 19-May-2021 21:46:39  
Outcome: Passed

## Test Case Information

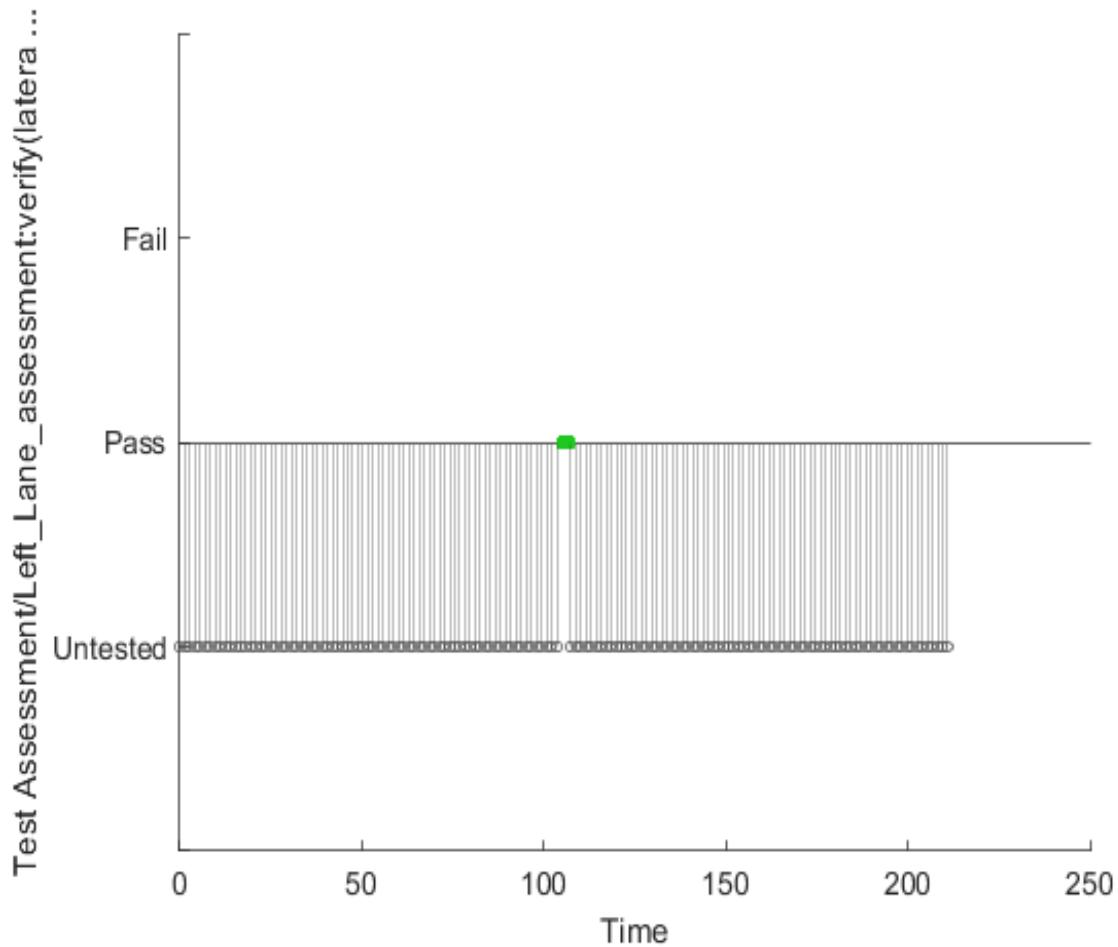
Name: 500m curvature clockwise 40km/h  
Type: Simulation Test

## Verify Result

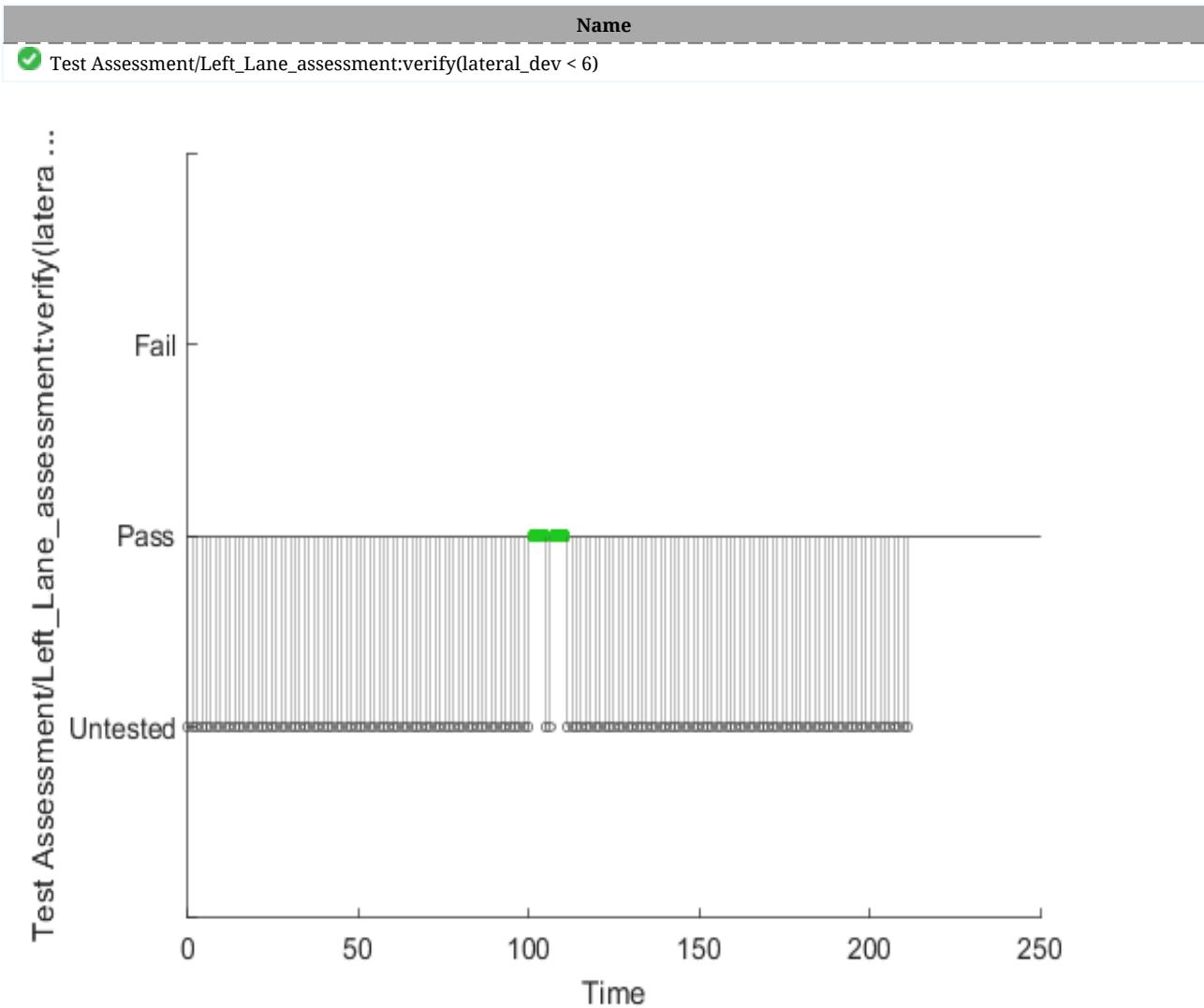
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

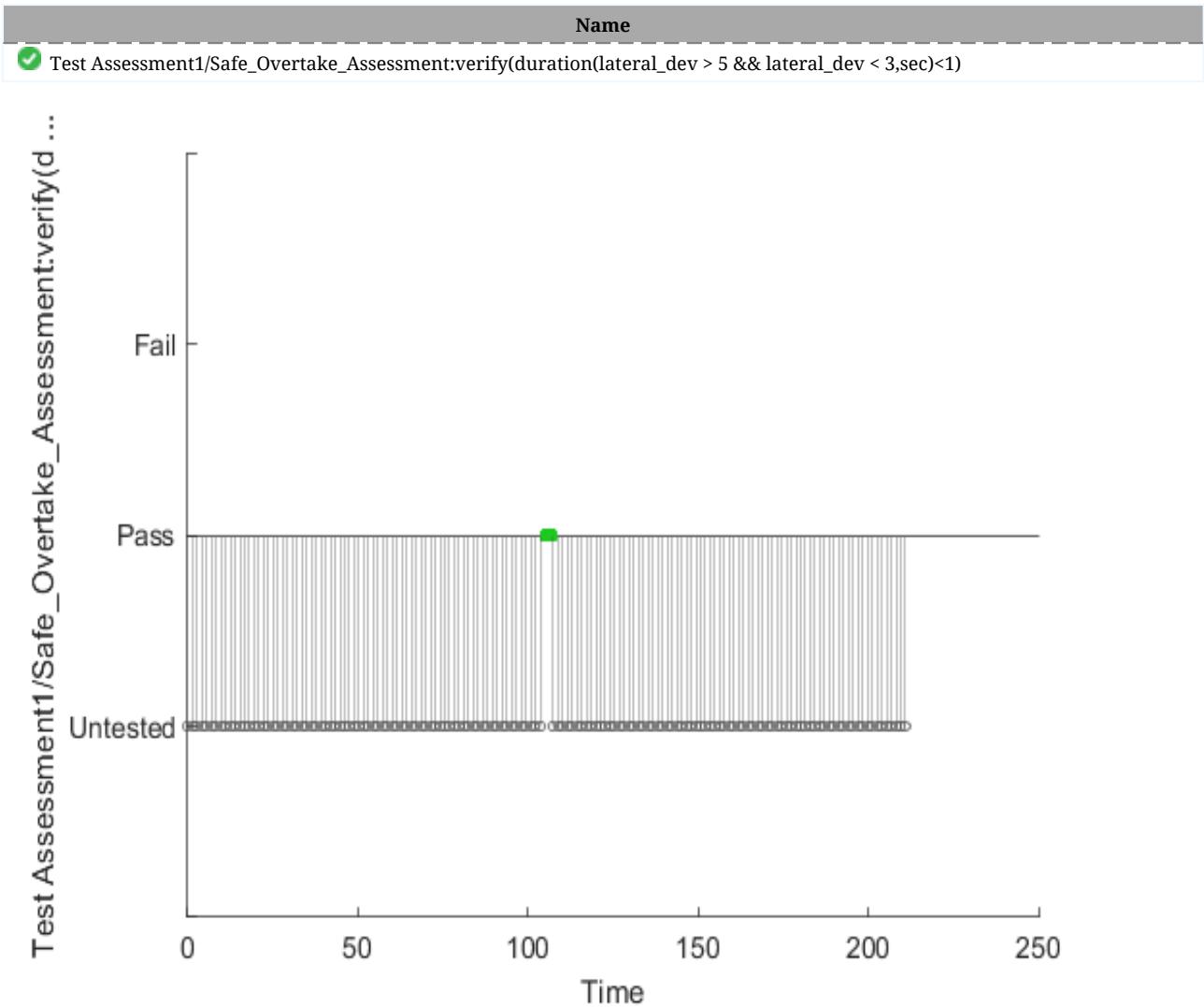
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



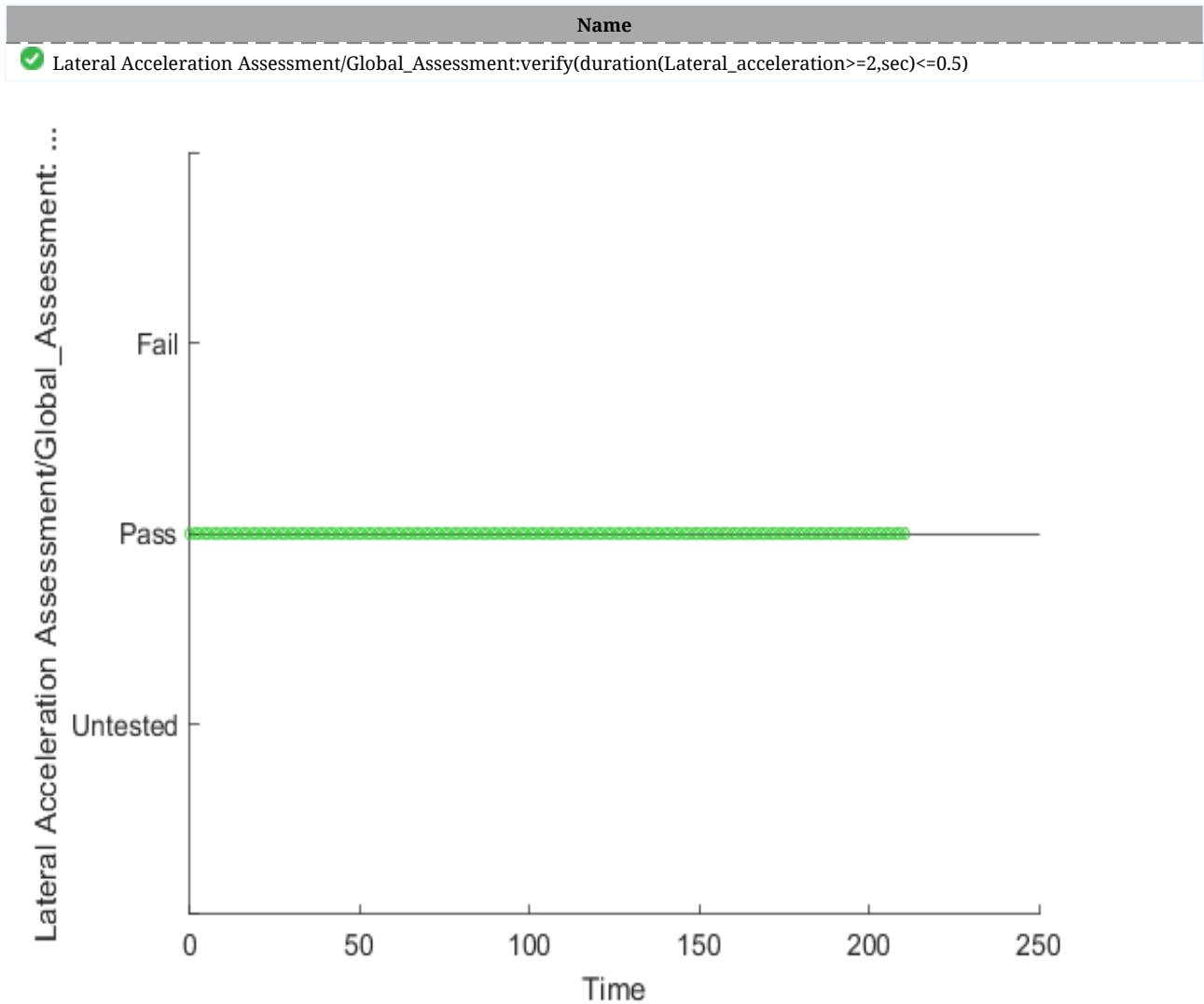
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

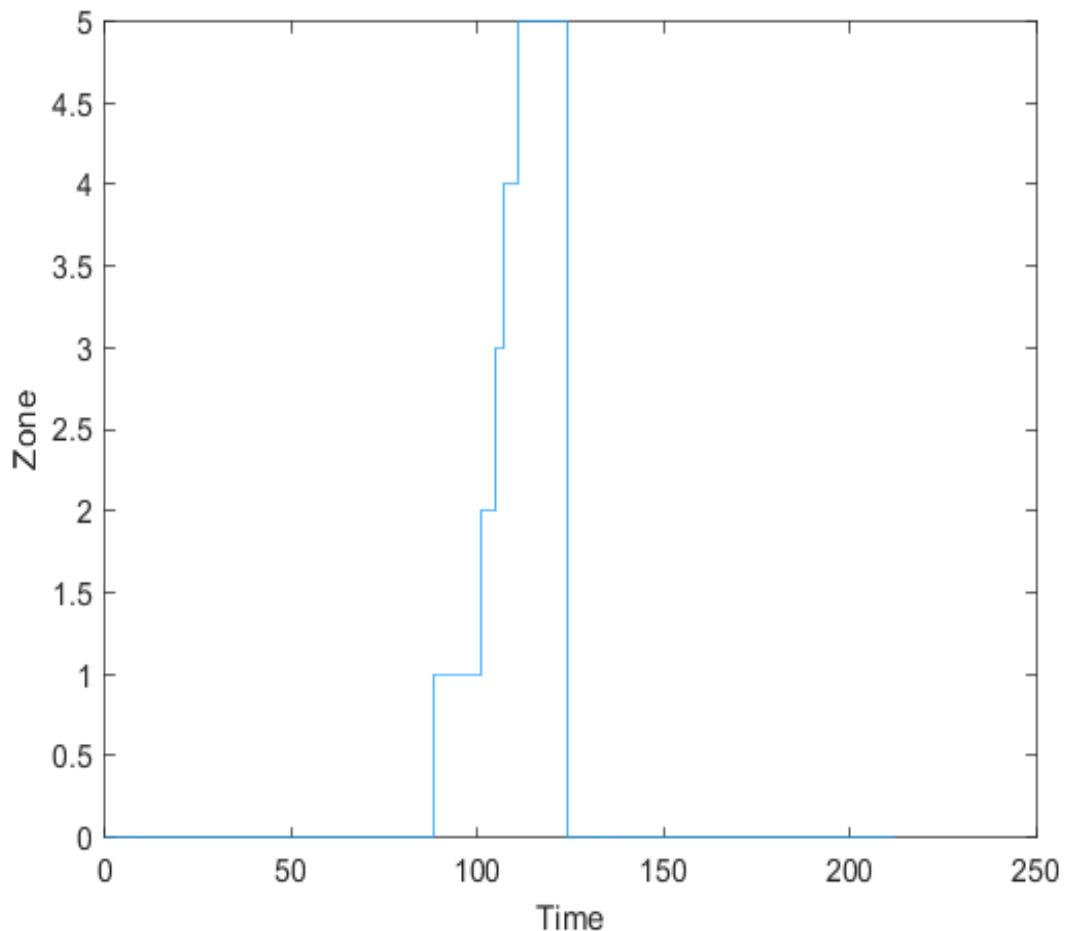
Start Time: 0  
Stop Time: 212.05999999999523  
Checksum: 1934578102 616994744 2970936654 2679455597

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

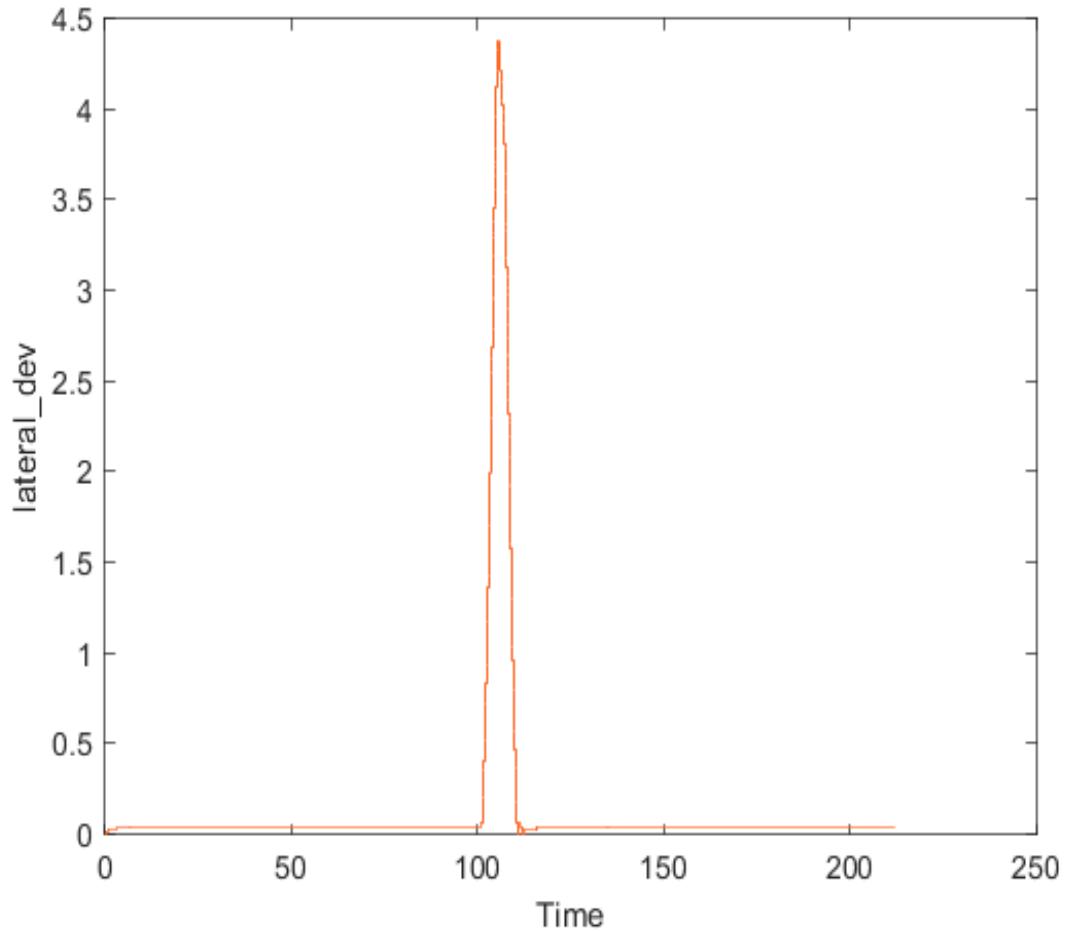
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature clockwise 40km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single static obstacle 40km/h](#)

Start Time: 19-May-2021 21:46:39  
End Time: 19-May-2021 21:46:55  
Outcome: Passed

## Test Case Information

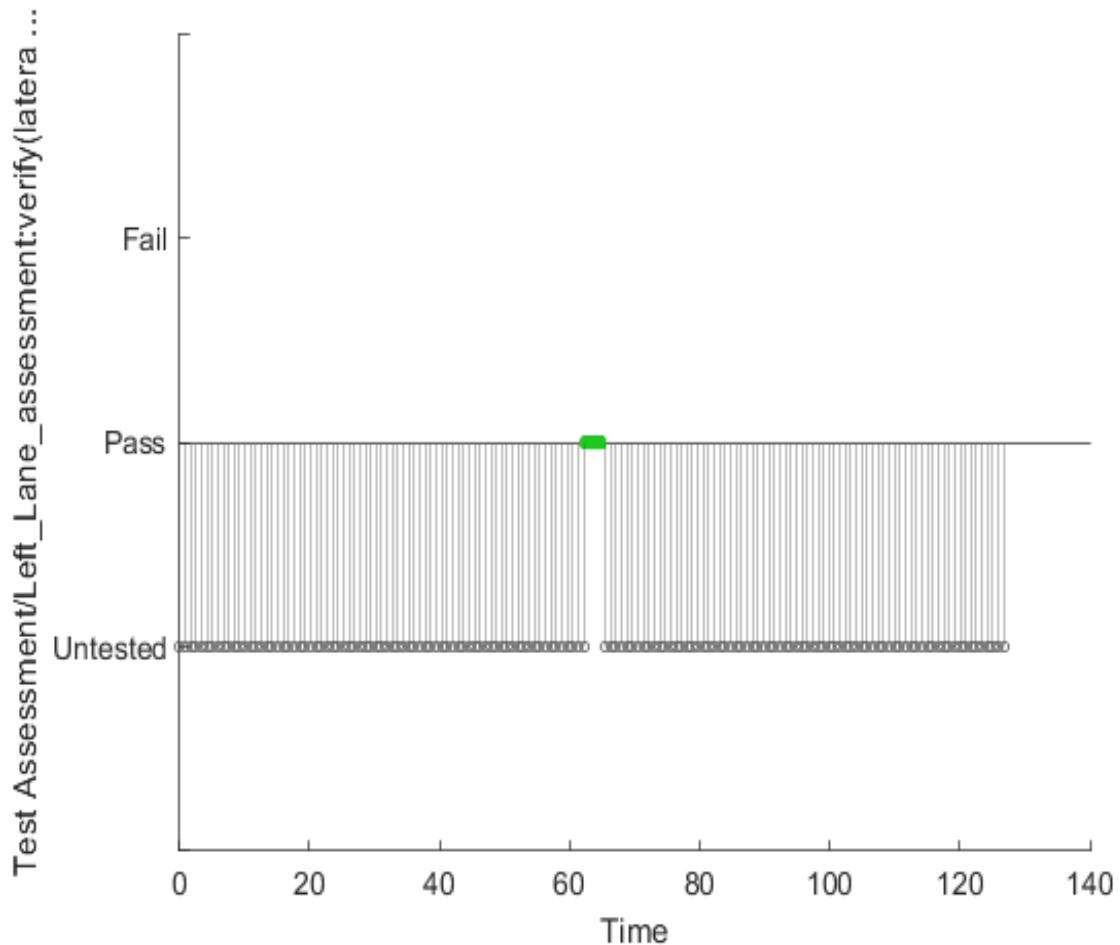
Name: 300m curvature clockwise 40km/h  
Type: Simulation Test

## Verify Result

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

### Name

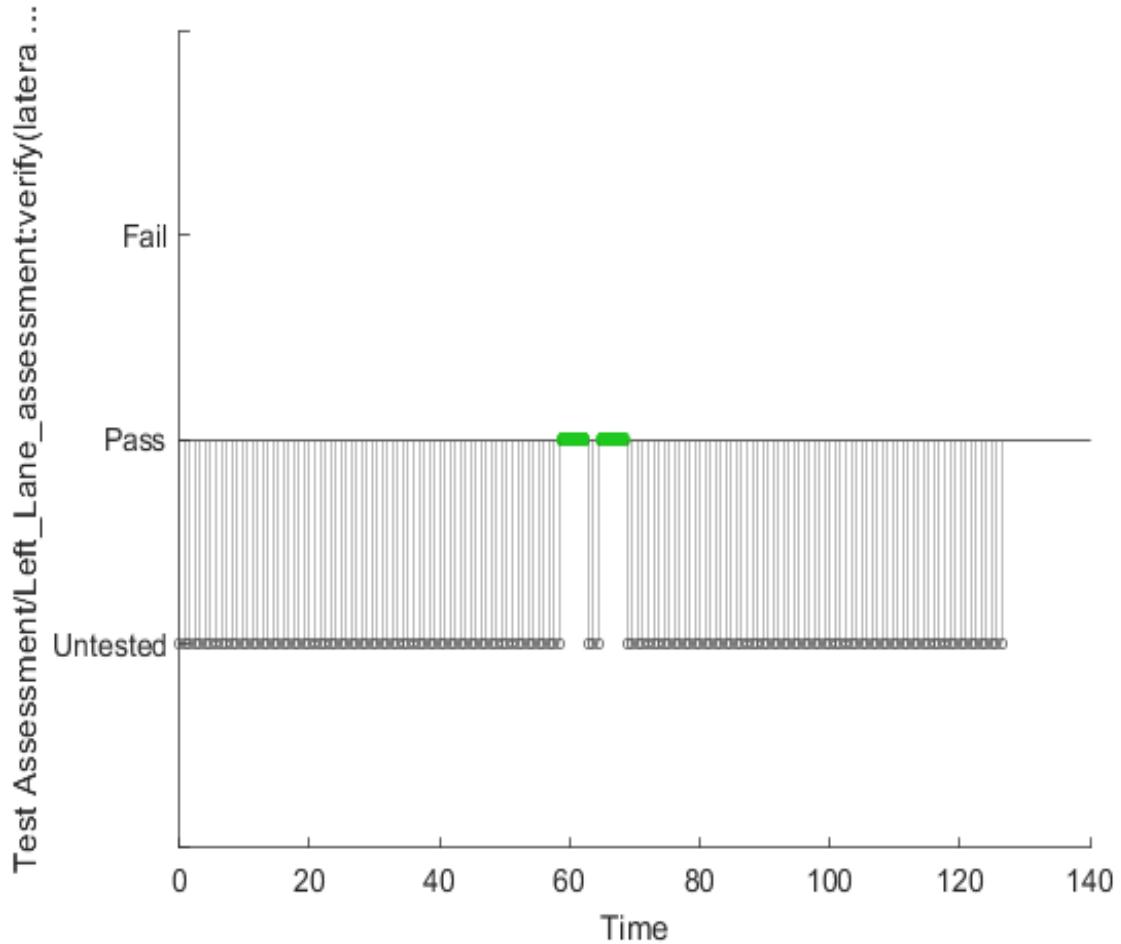
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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Name

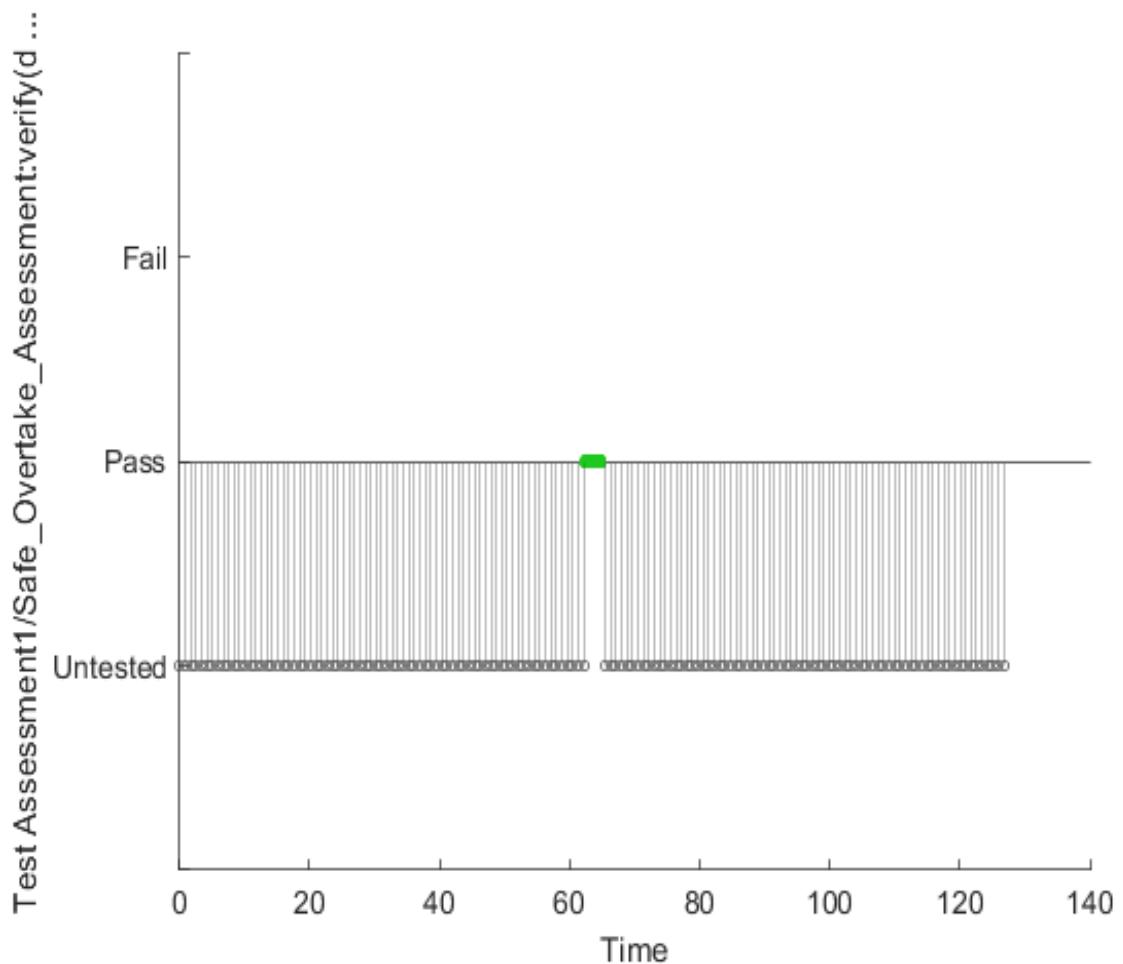
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev < 6)



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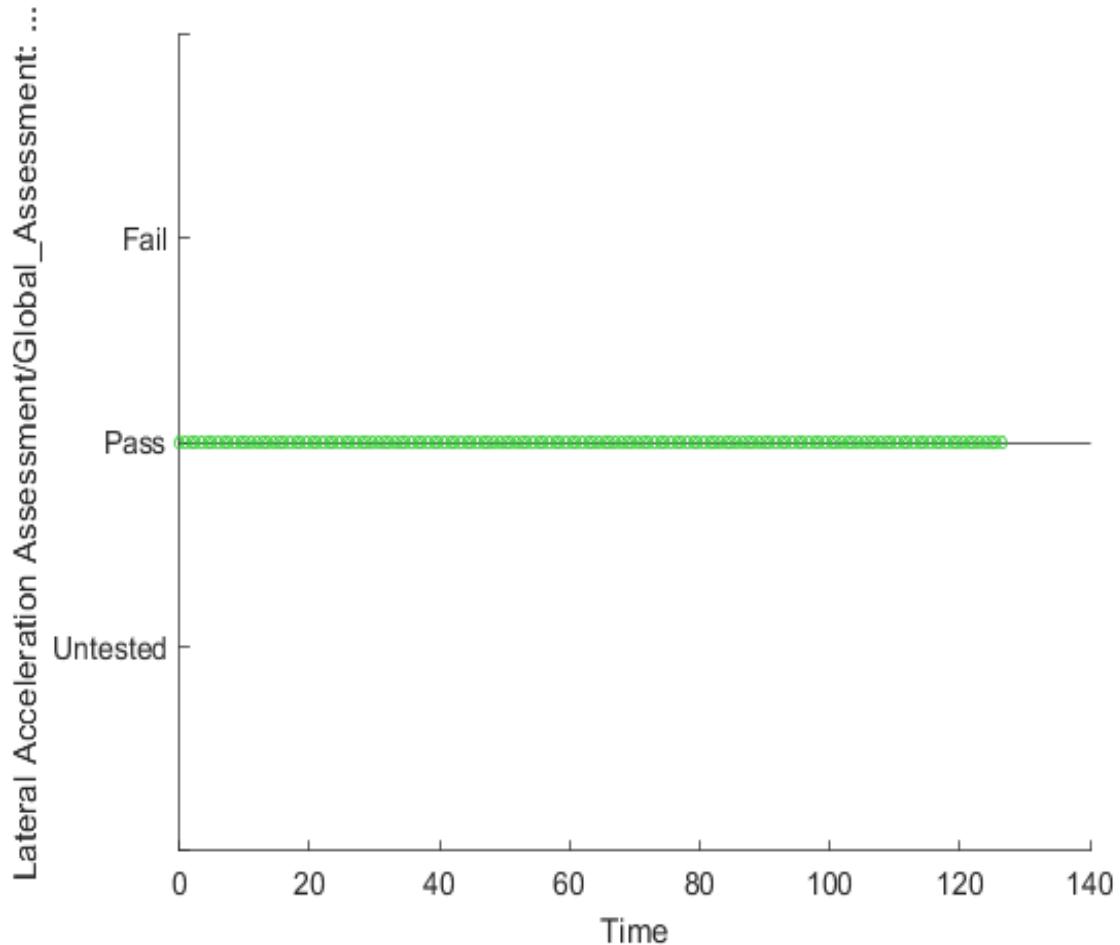
**Name**

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

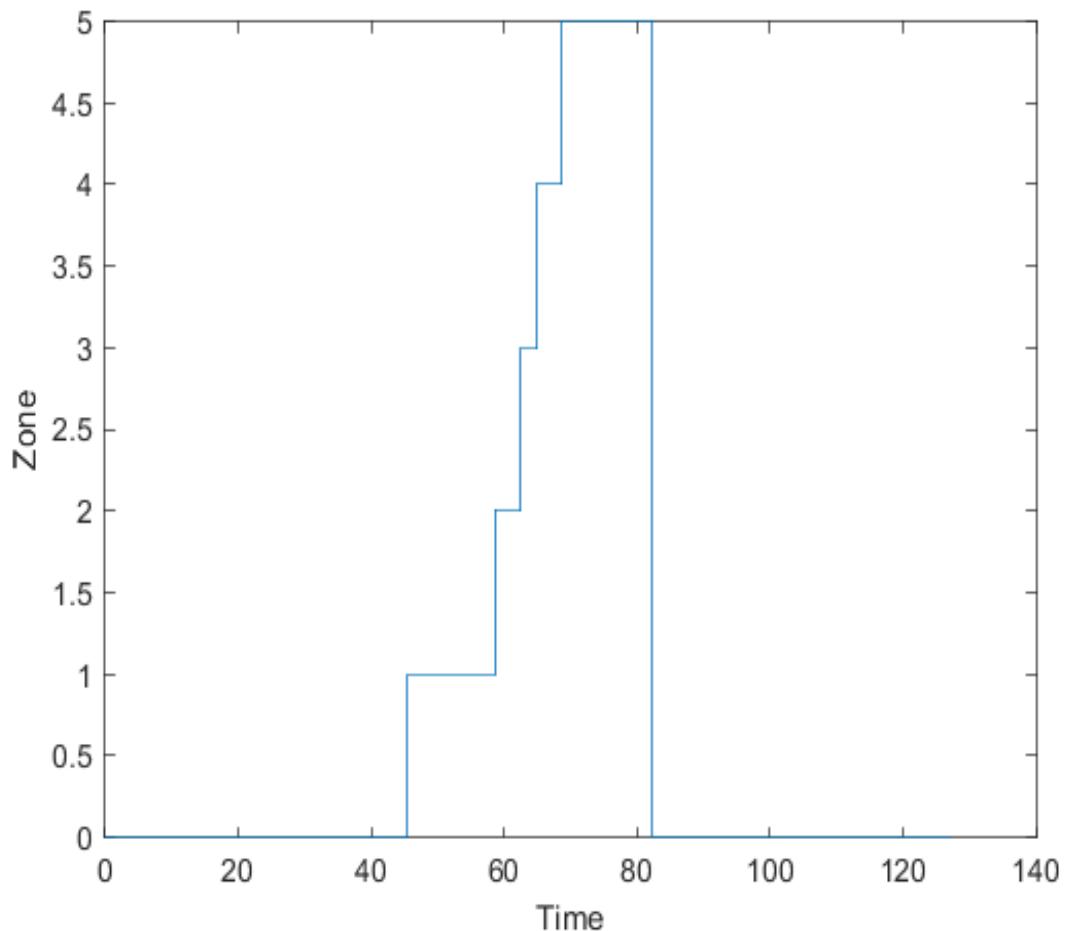
Start Time: 0  
Stop Time: 127.23999999998188  
Checksum: 1973096751 1446039707 3223495741 3116590718

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

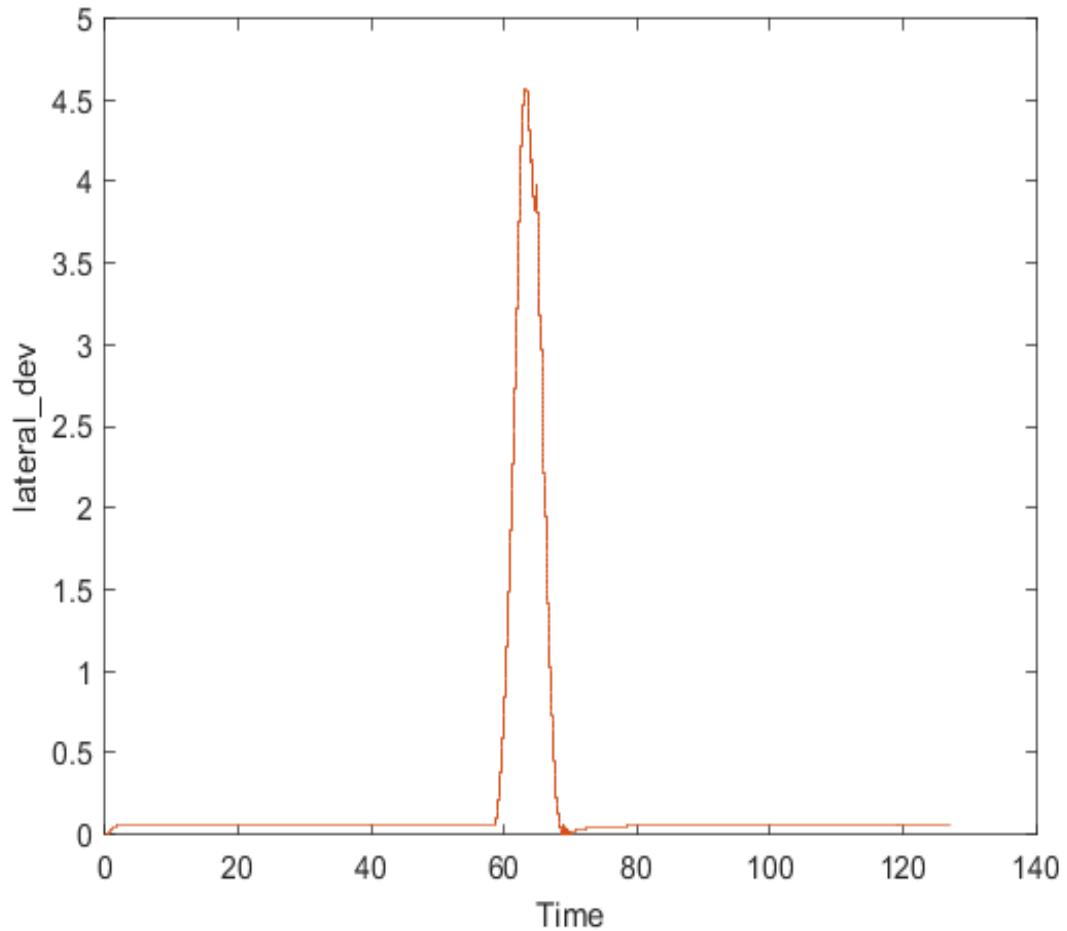
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature counterclockwise 40k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 40km/h](#)  
Start Time: 19-May-2021 21:46:55  
End Time: 19-May-2021 21:47:08  
Outcome: Passed

## Test Case Information

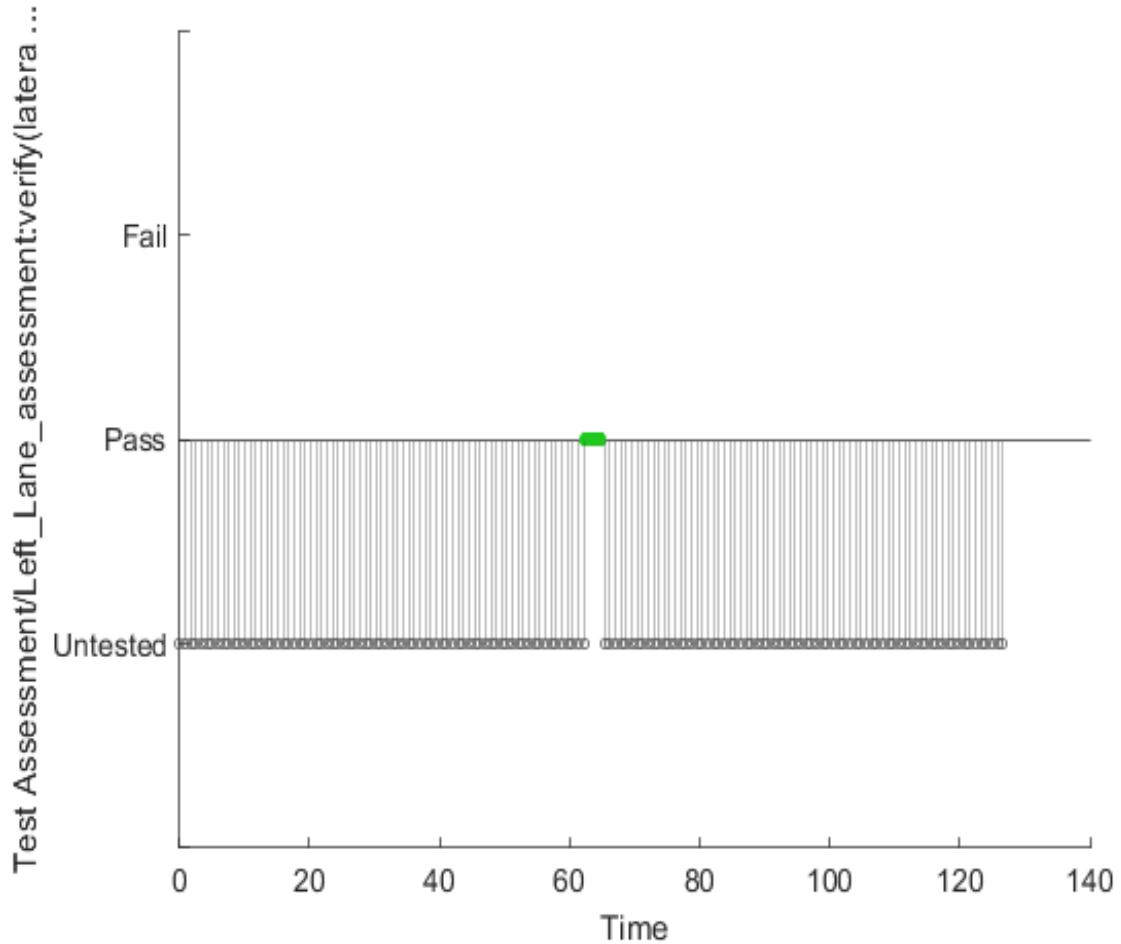
Name: 300m curvature counterclockwise 40km/h  
Type: Simulation Test

## Verify Result

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

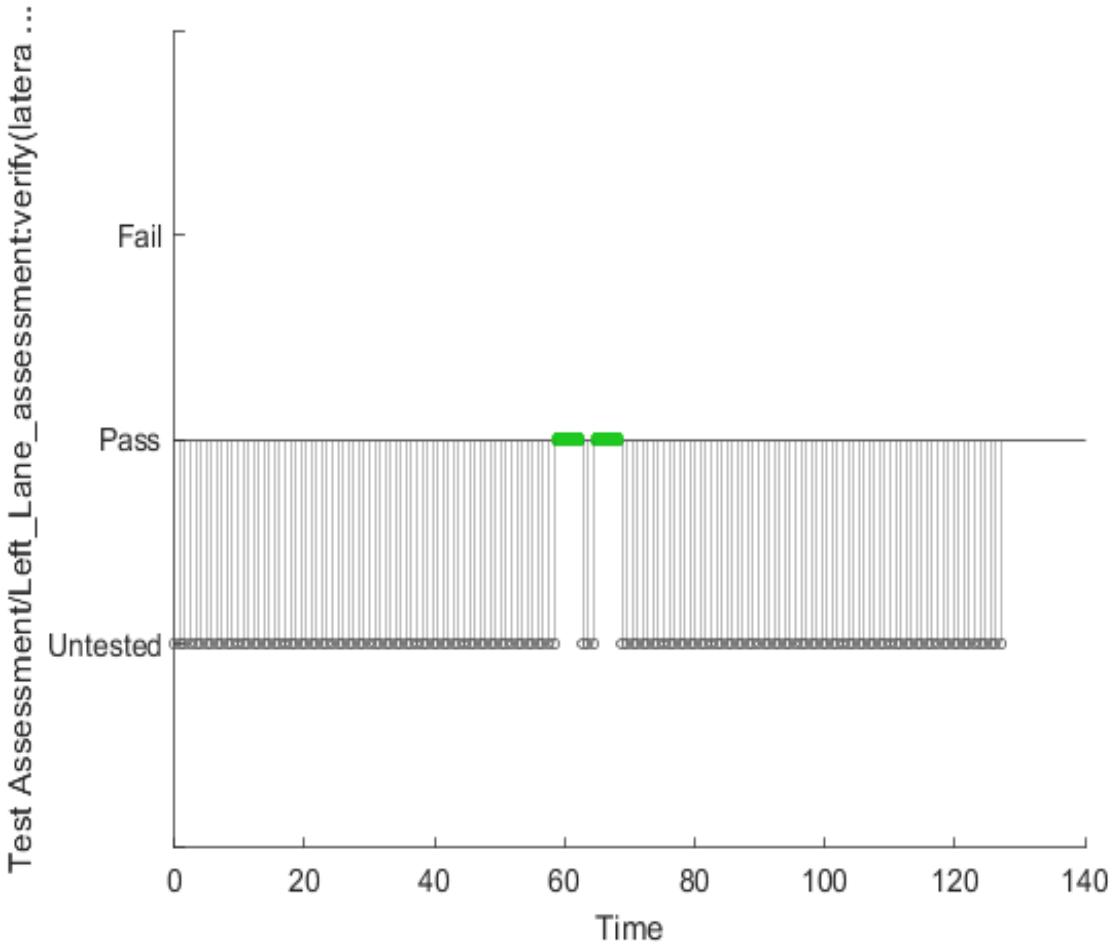
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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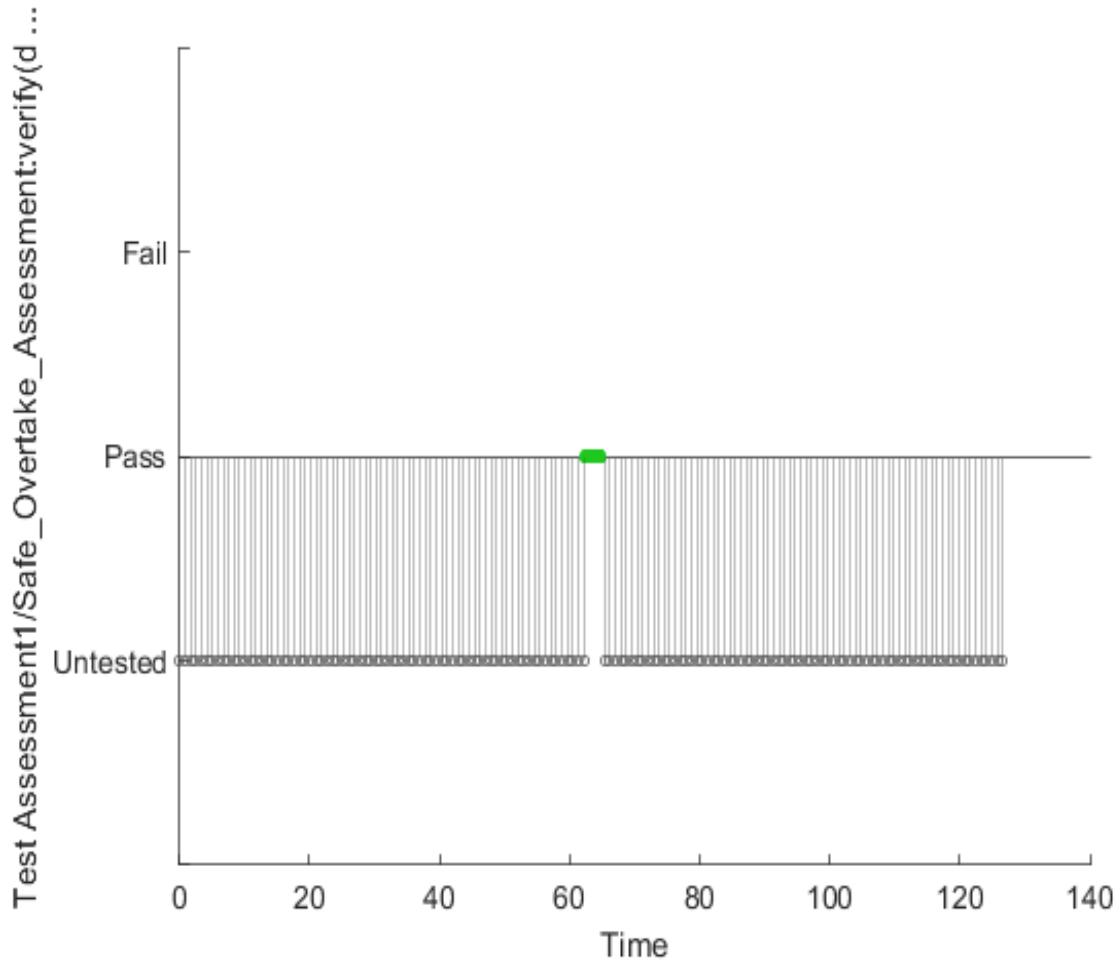
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



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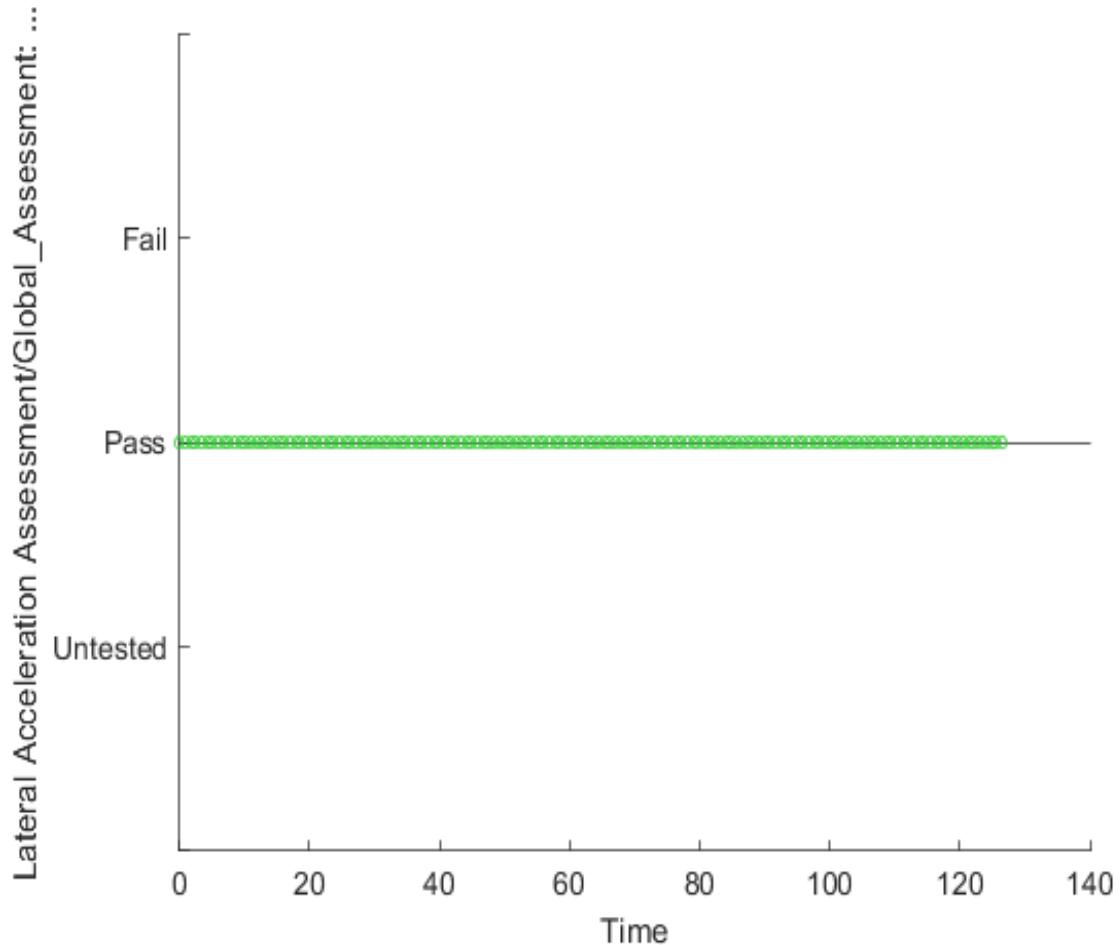
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

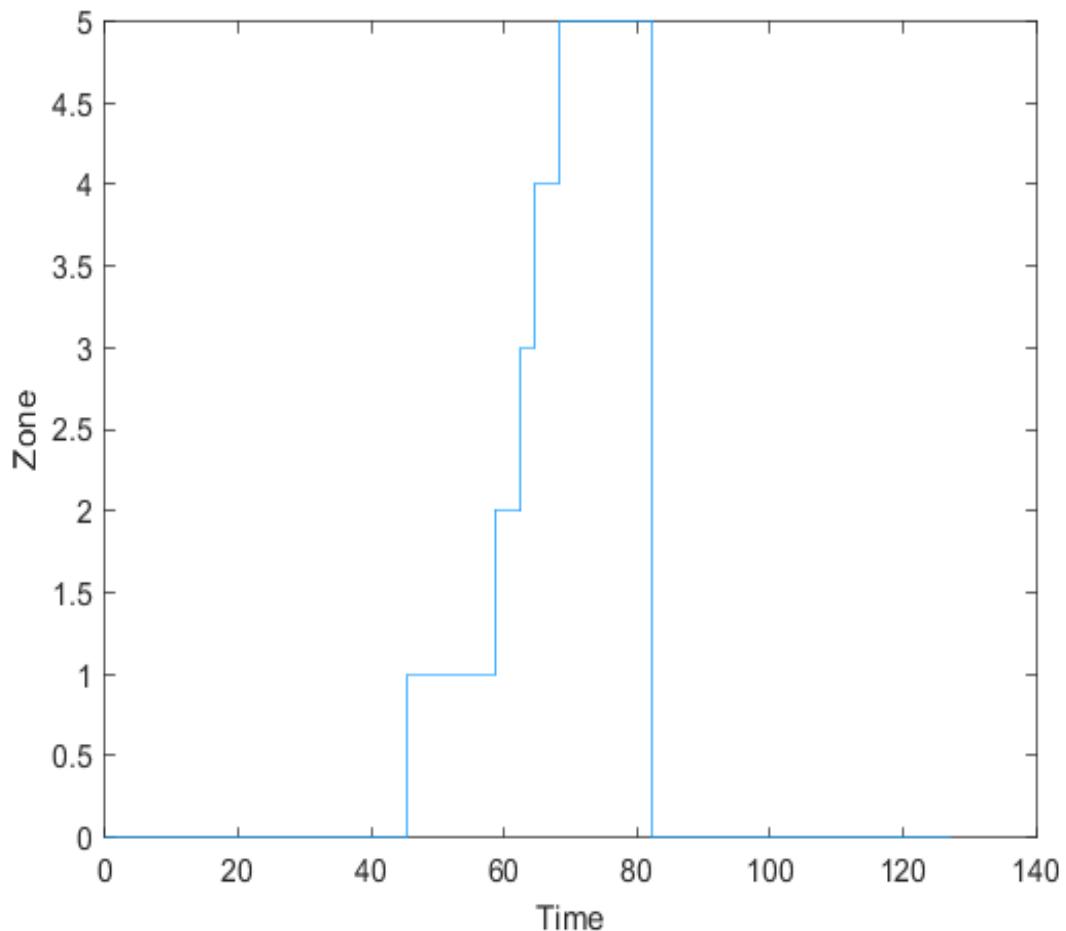
Start Time: 0  
Stop Time: 127.23999999998188  
Checksum: 1973096751 1446039707 3223495741 3116590718

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

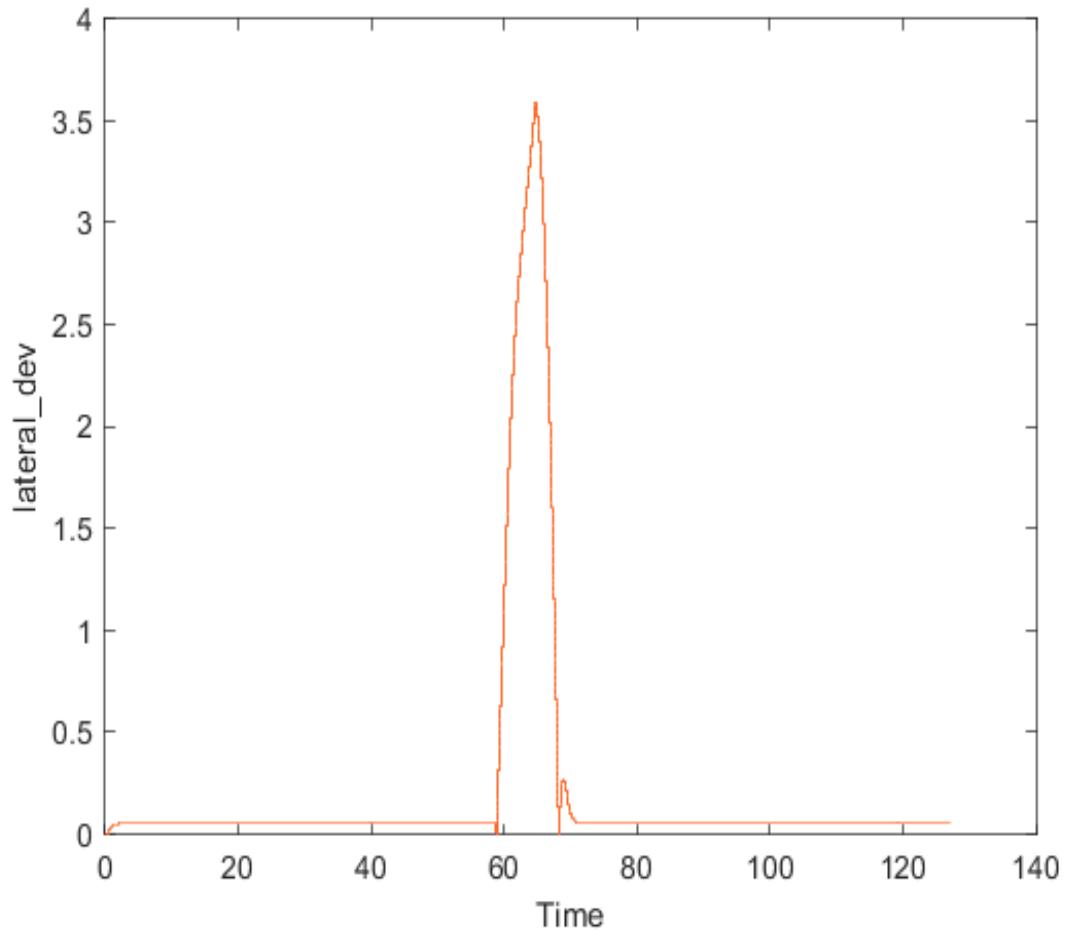
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature counterclockwise 40k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 40km/h](#)  
Start Time: 19-May-2021 21:47:08  
End Time: 19-May-2021 21:47:32  
Outcome: Passed

## Test Case Information

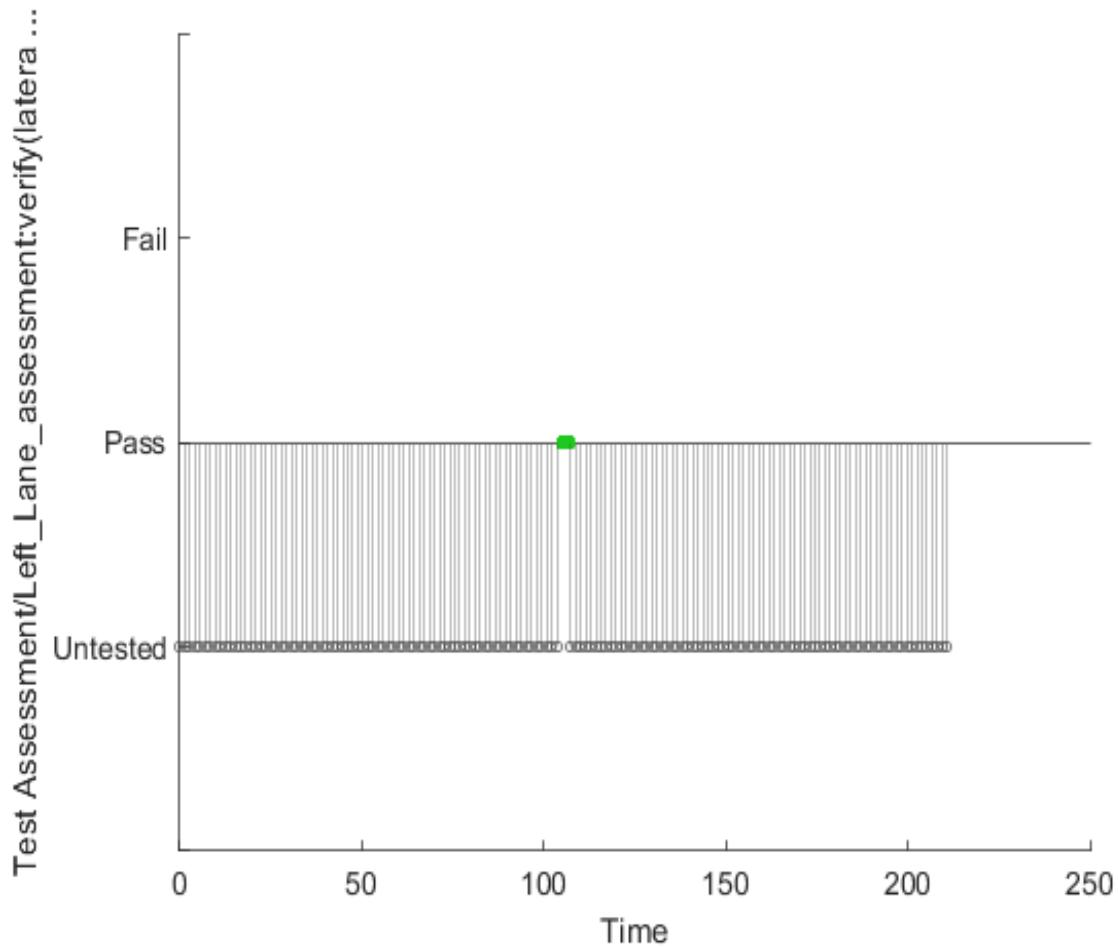
Name: 500m curvature counterclockwise 40km/h  
Type: Simulation Test

## Verify Result

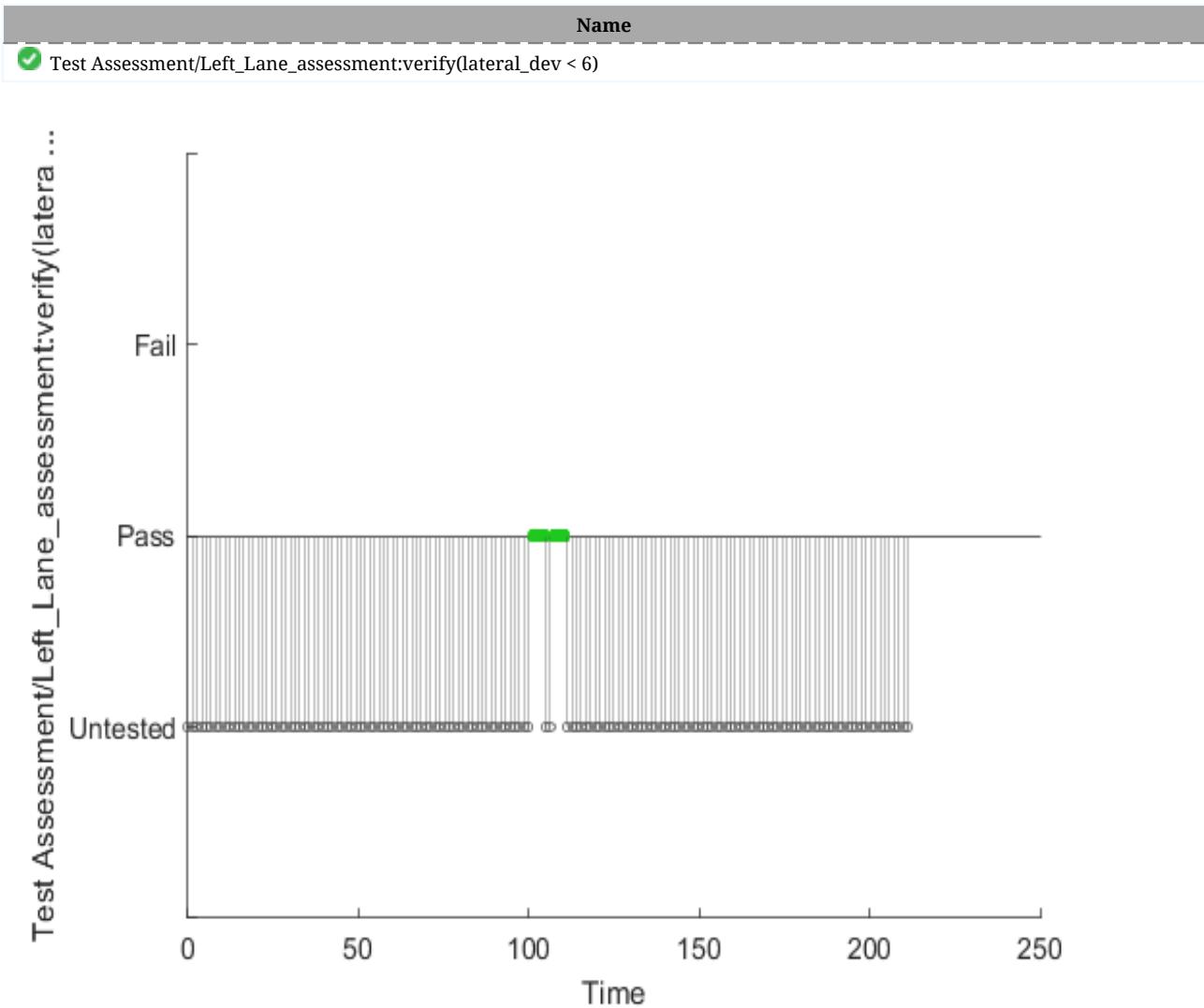
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



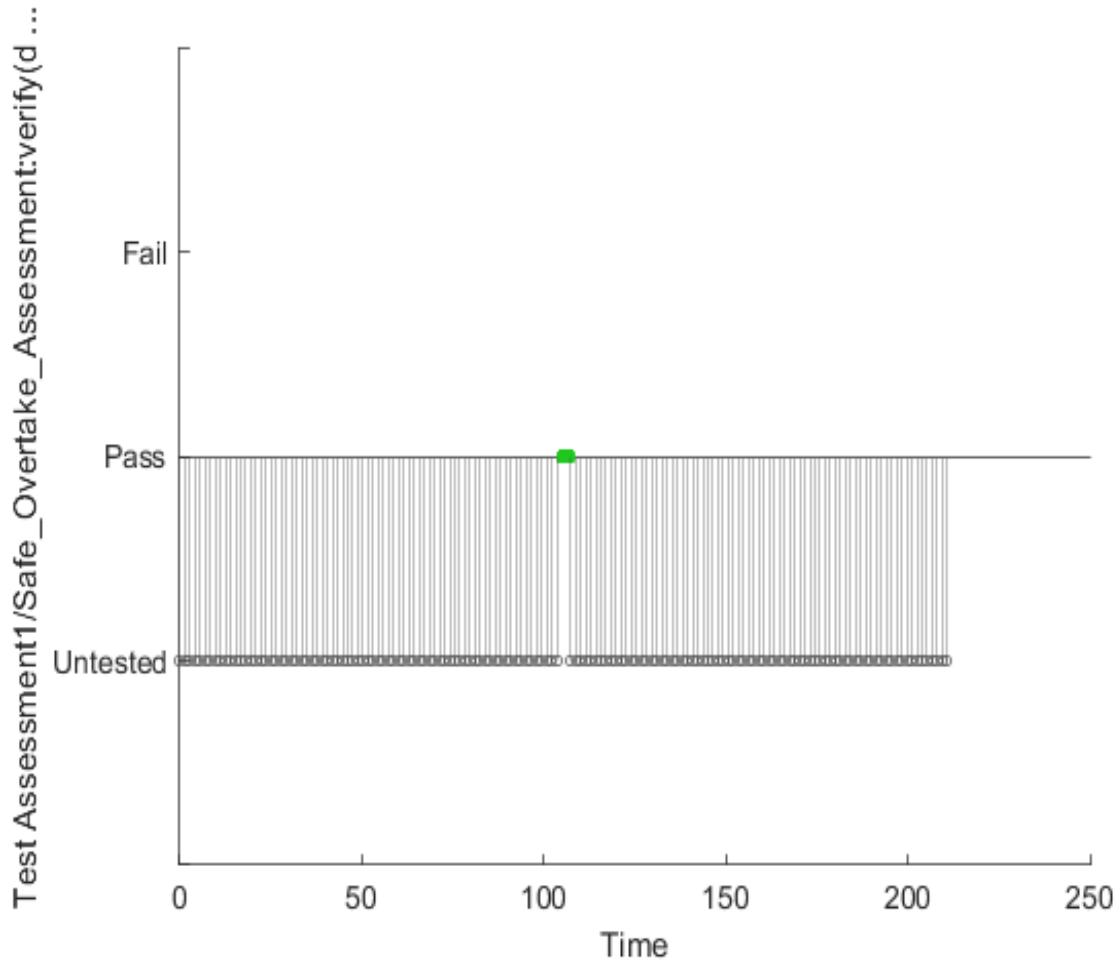
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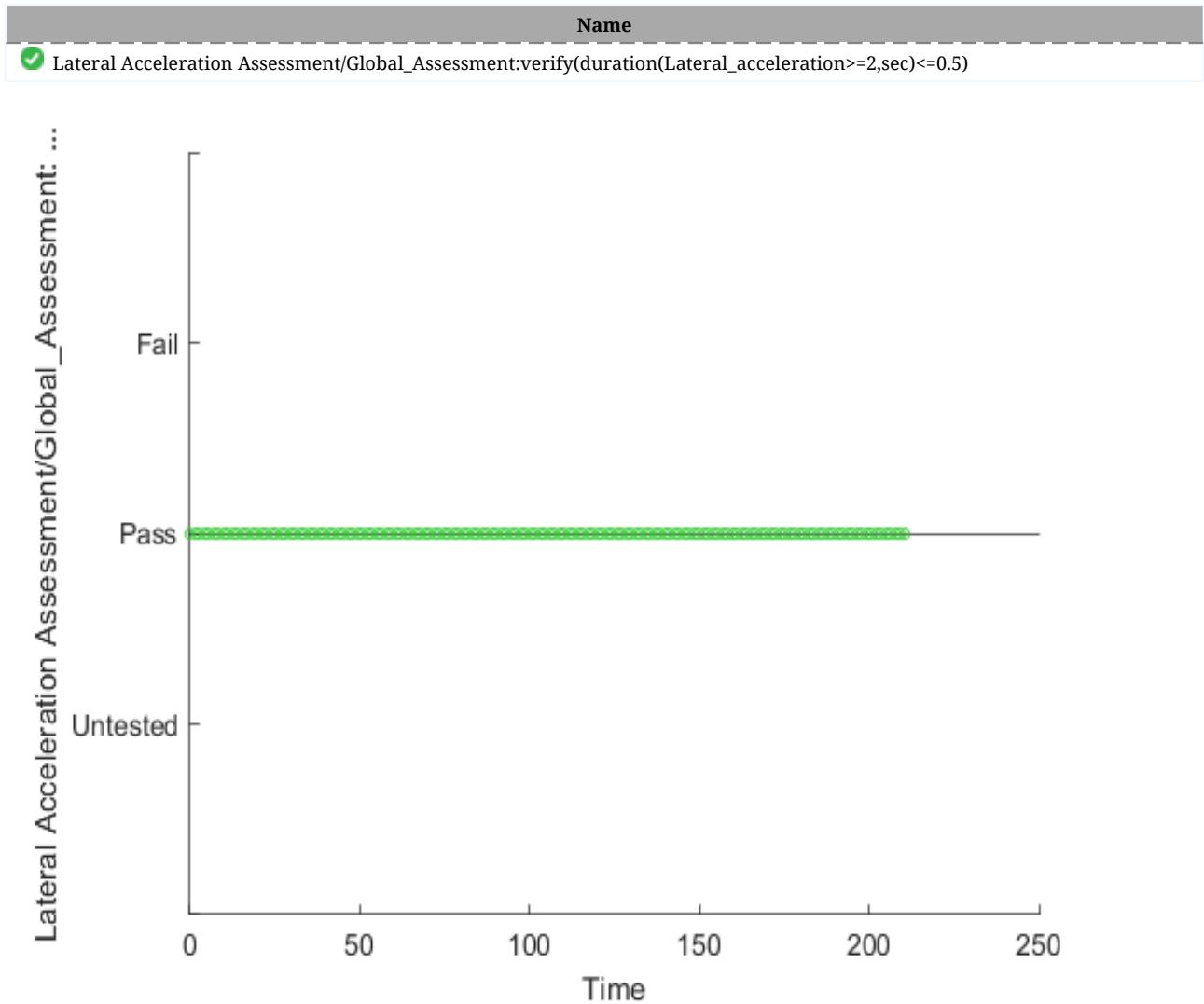
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

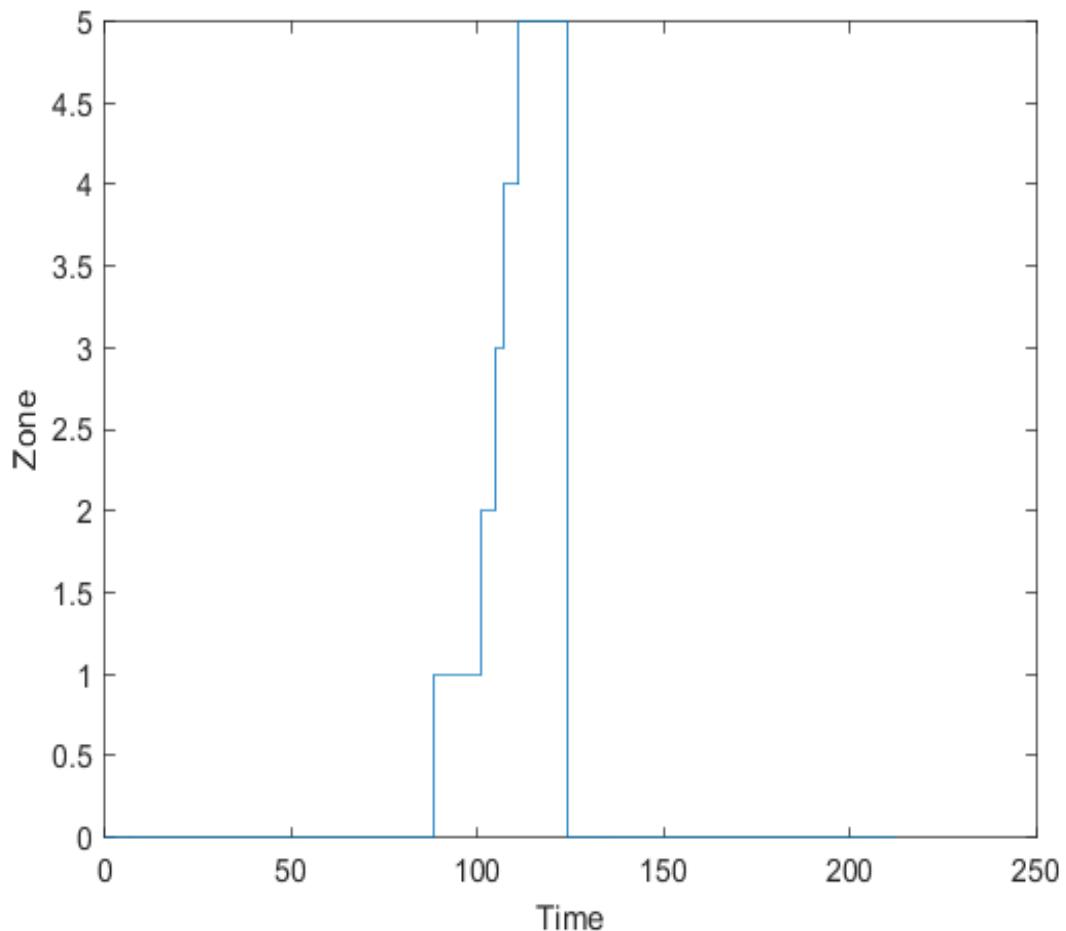
Start Time: 0  
Stop Time: 212.05999999999523  
Checksum: 1934578102 616994744 2970936654 2679455597

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

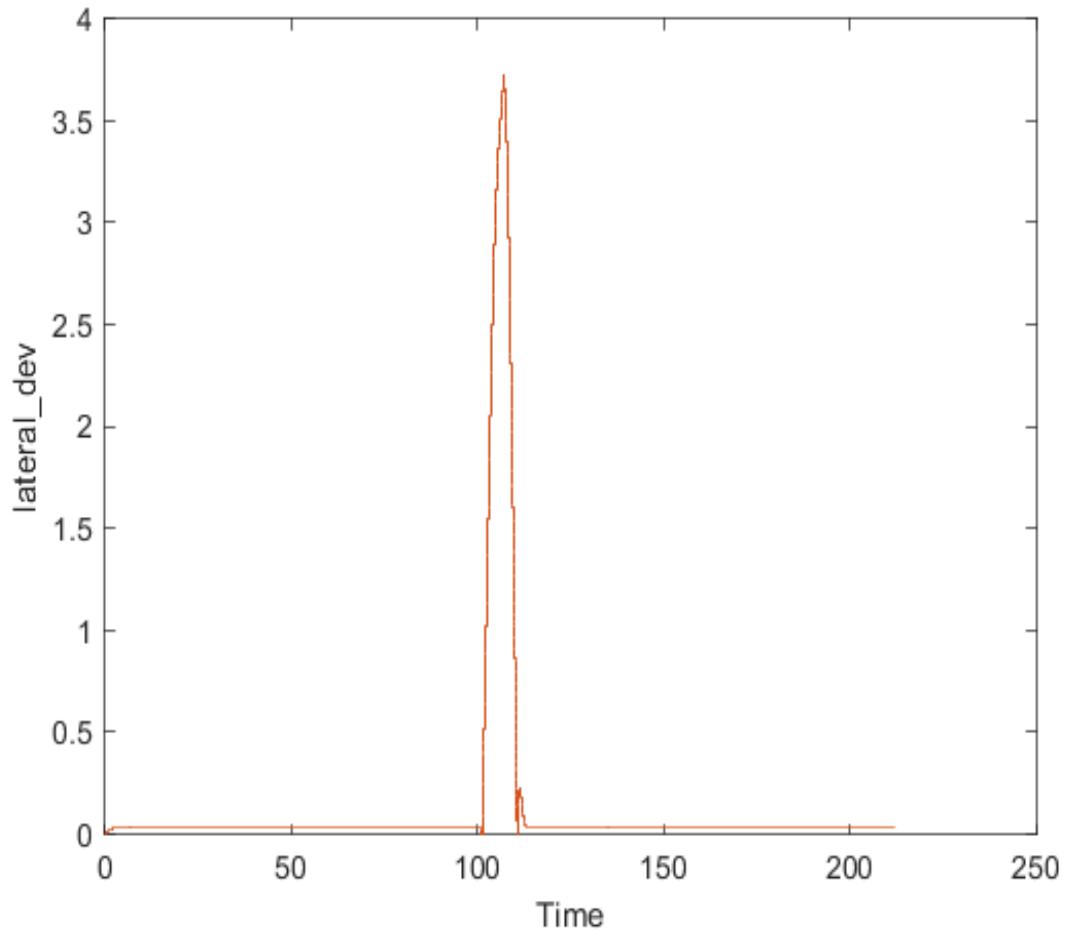
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature counterclockwise 40k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 40km/h](#)  
Start Time: 19-May-2021 21:47:32  
End Time: 19-May-2021 21:48:38  
Outcome: Passed

## Test Case Information

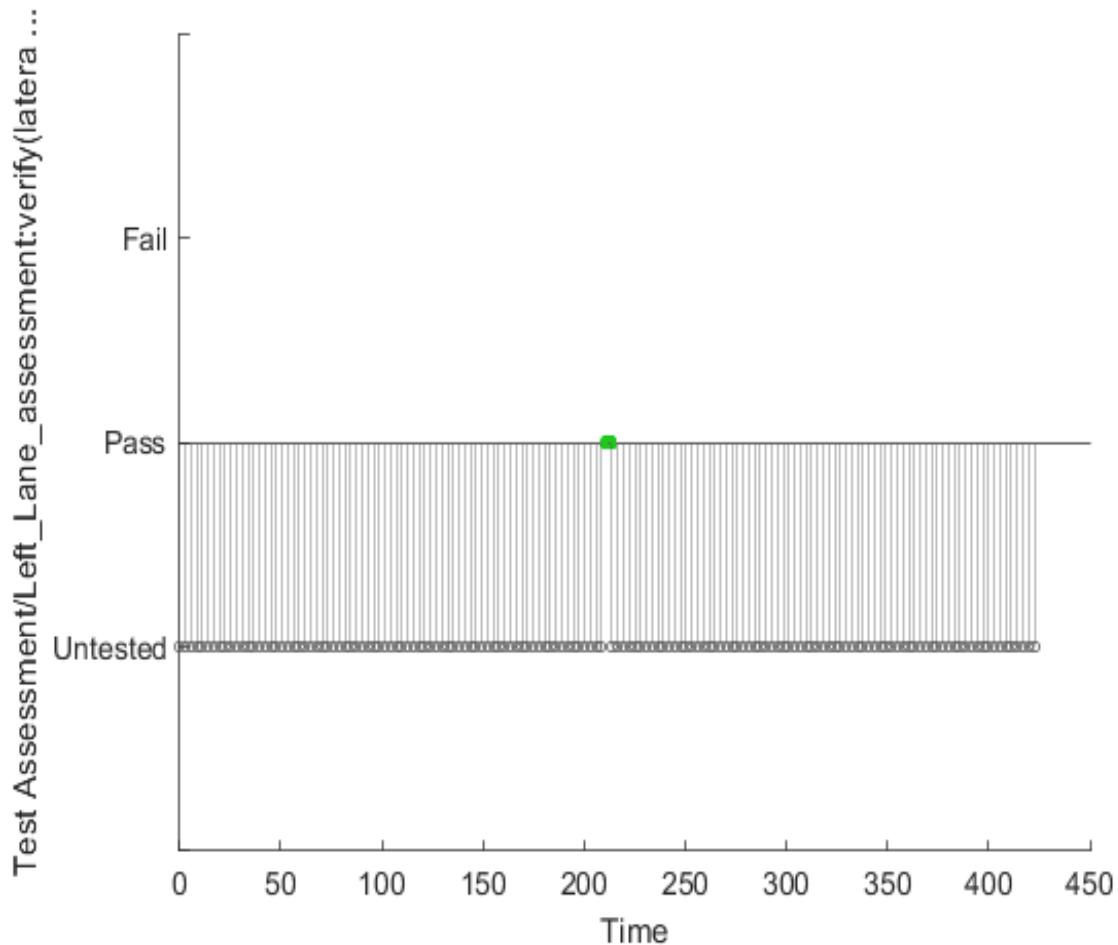
Name: 1000m curvature counterclockwise 40km/h  
Type: Simulation Test

## Verify Result

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

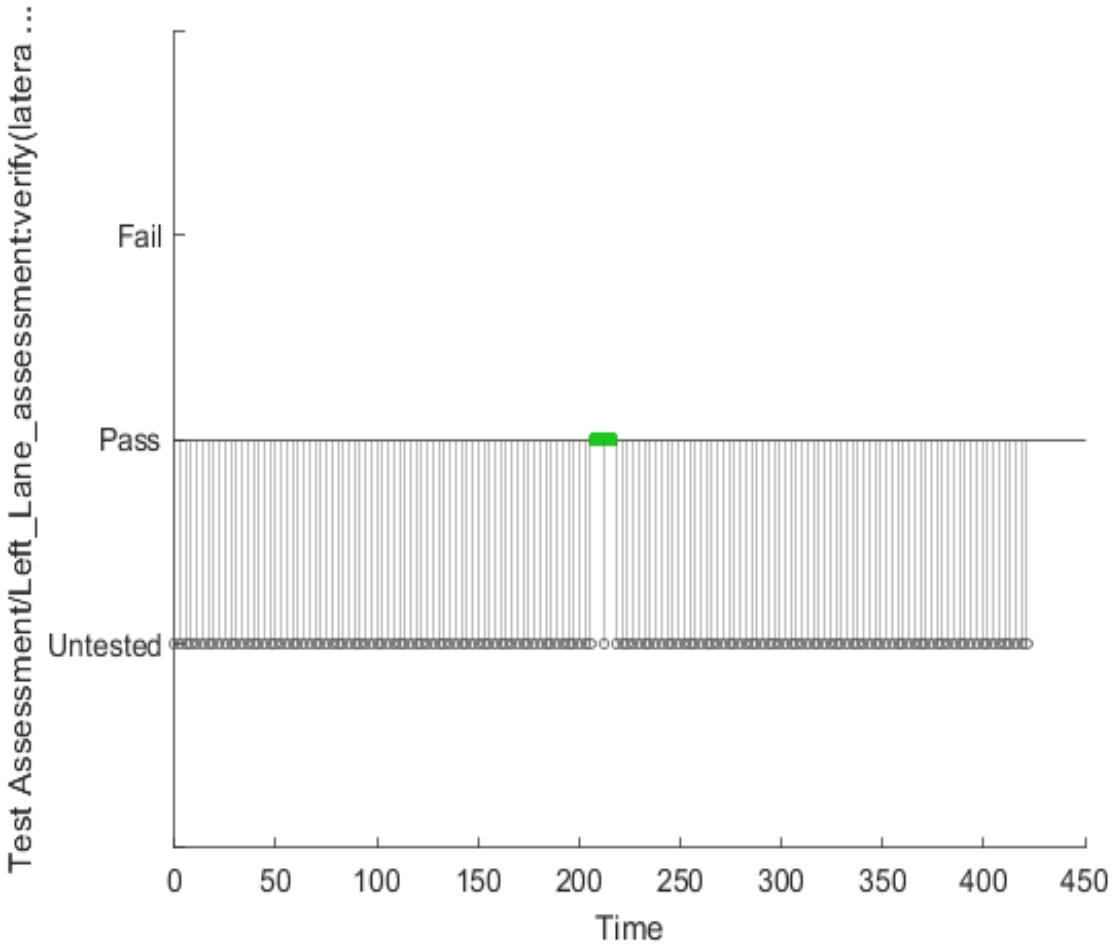
Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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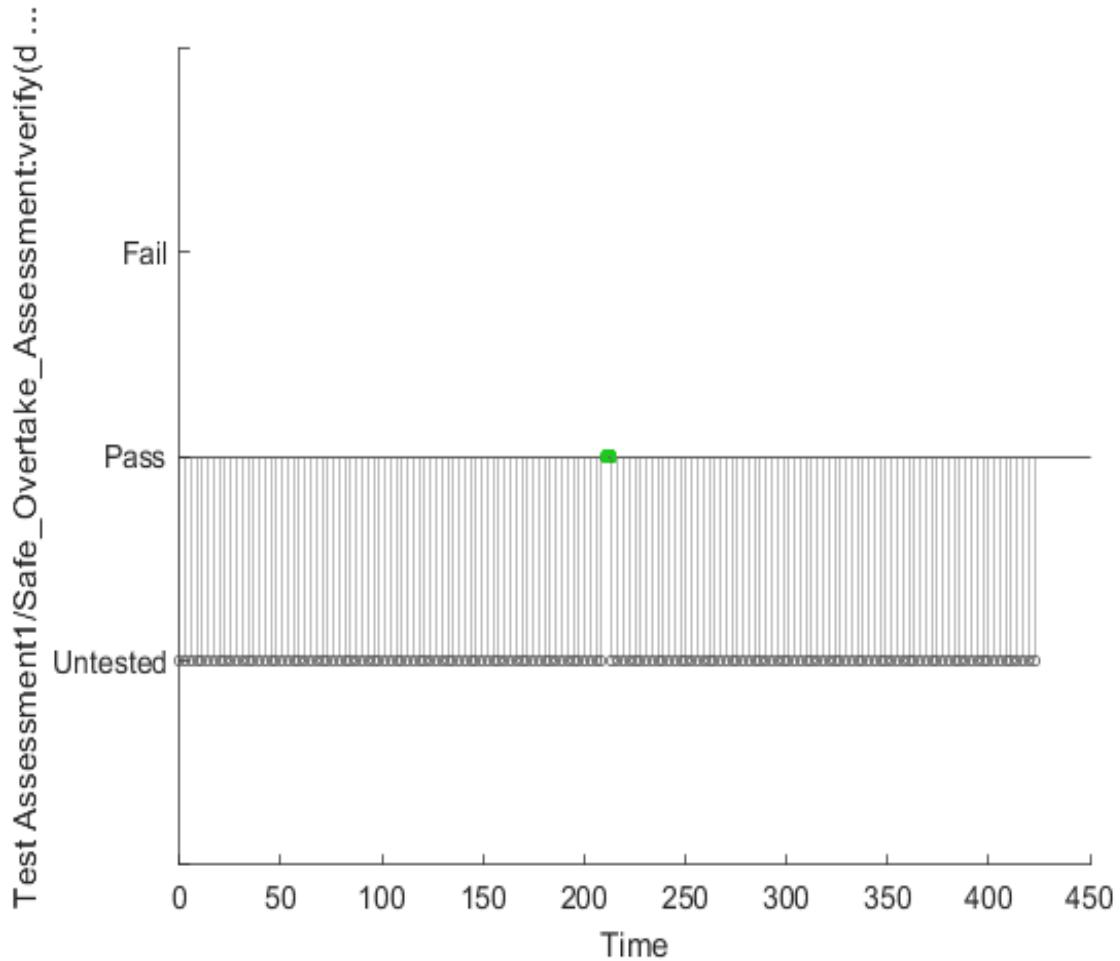
Name
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)



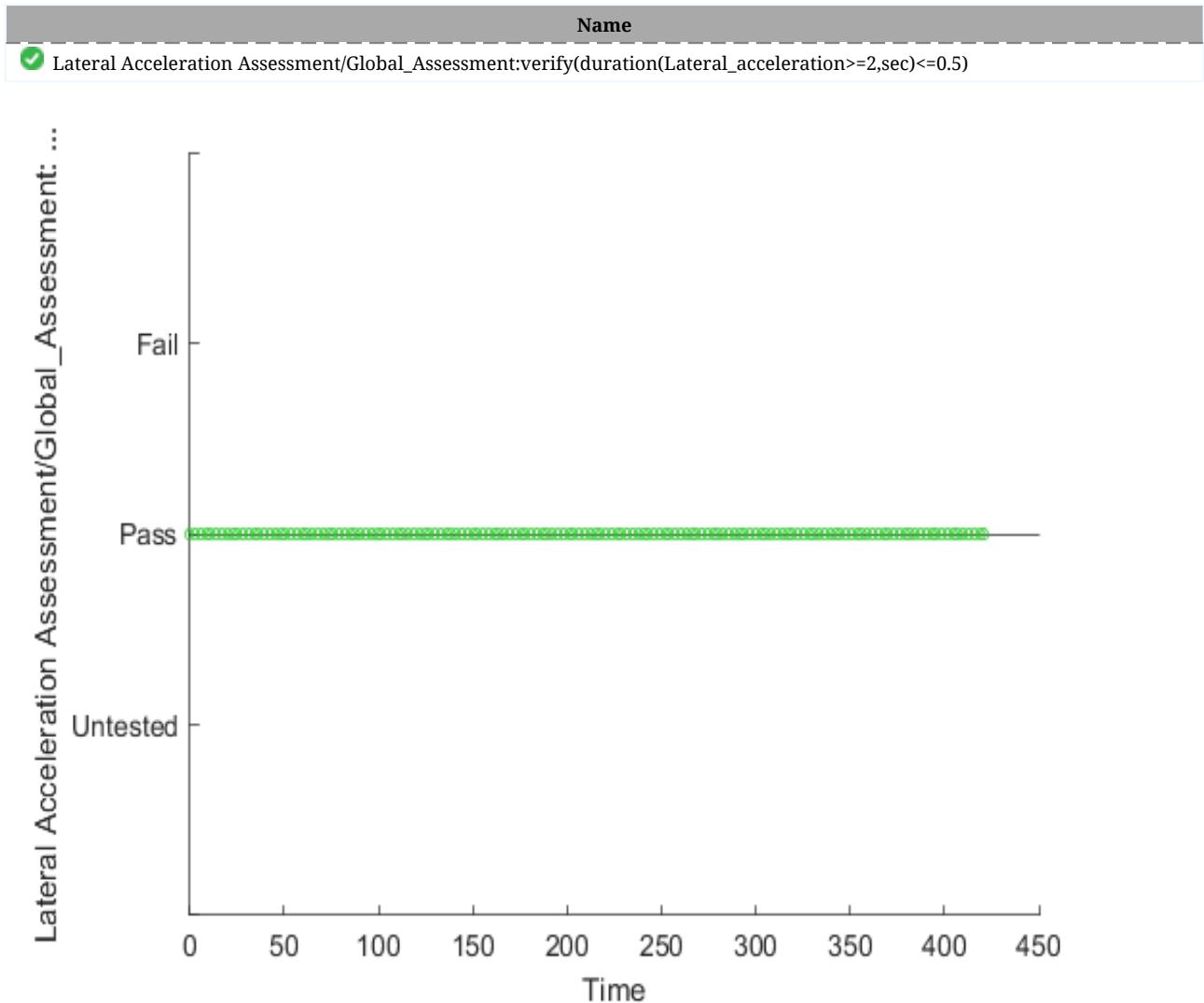
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

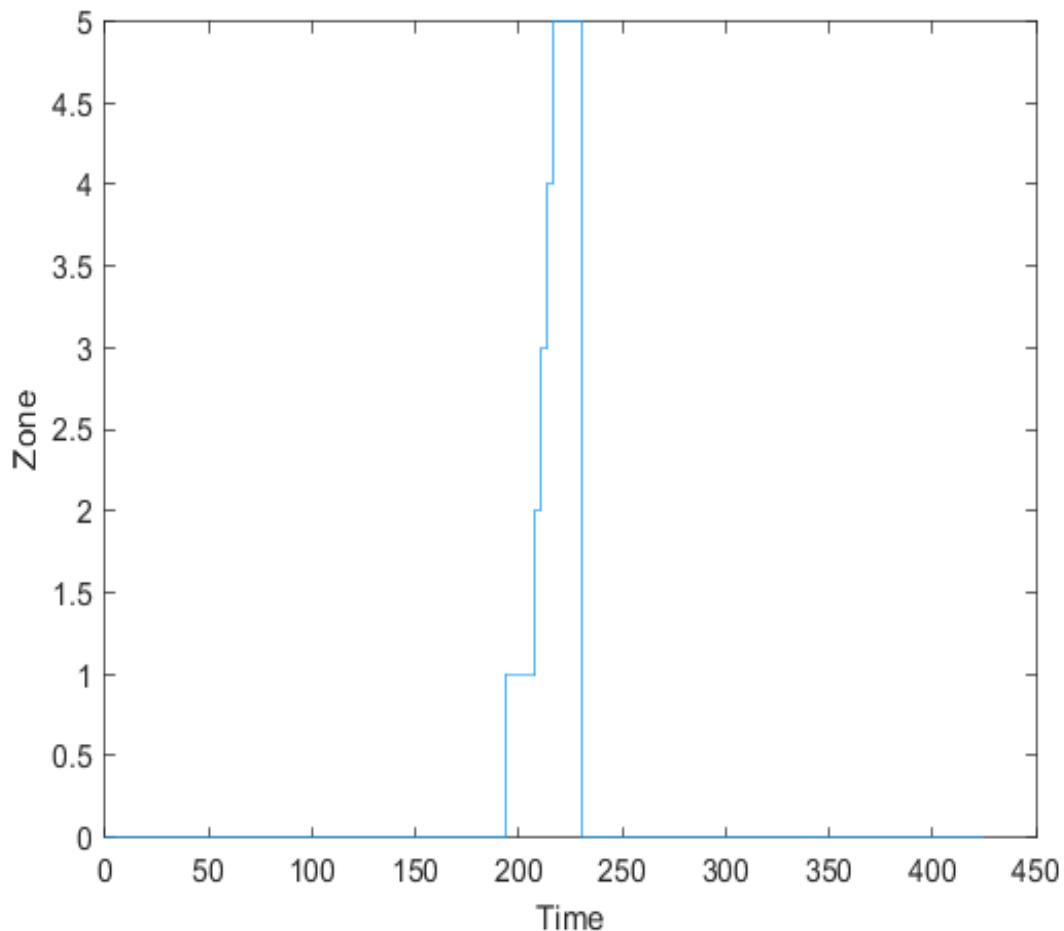
Start Time: 0  
Stop Time: 424.12000000024483  
Checksum: 3931183343 3051008935 2491778415 539767003

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

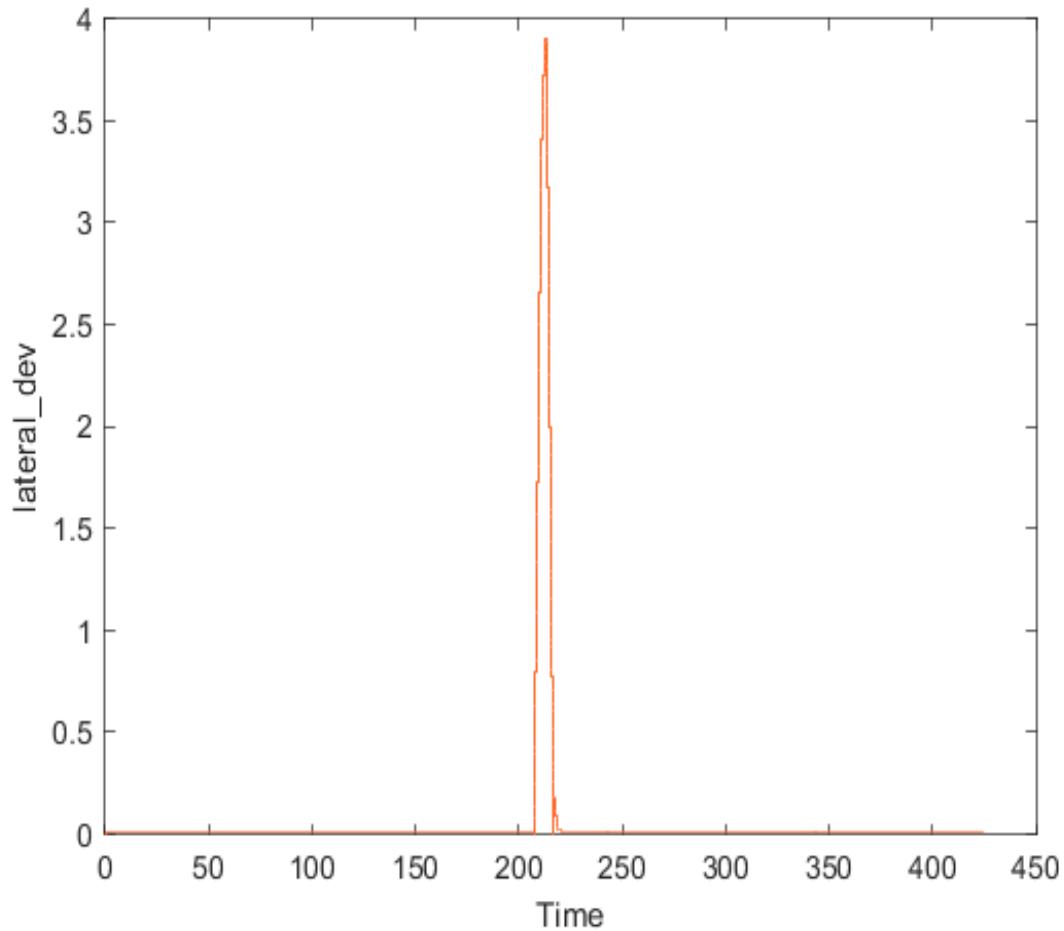
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## Single\_static\_obstacle\_30km/h

### Test Result Information

Result Type: Test Suite Result  
Parent: [Static\\_obstacle\\_avoidance](#)

Start Time: 19-May-2021 21:48:38  
End Time: 19-May-2021 22:00:32  
Outcome: Total: 22, Passed: 20, Failed: 2

## Test Suite Information

Name: Single\_static\_obstacle\_30km/h

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## 0° 30km/h

### Test Result Information

Result Type: Test Case Result  
Parent: [Single\\_static\\_obstacle\\_30km/h](#)  
Start Time: 19-May-2021 21:48:38  
End Time: 19-May-2021 21:48:54  
Outcome: Passed

### Test Case Information

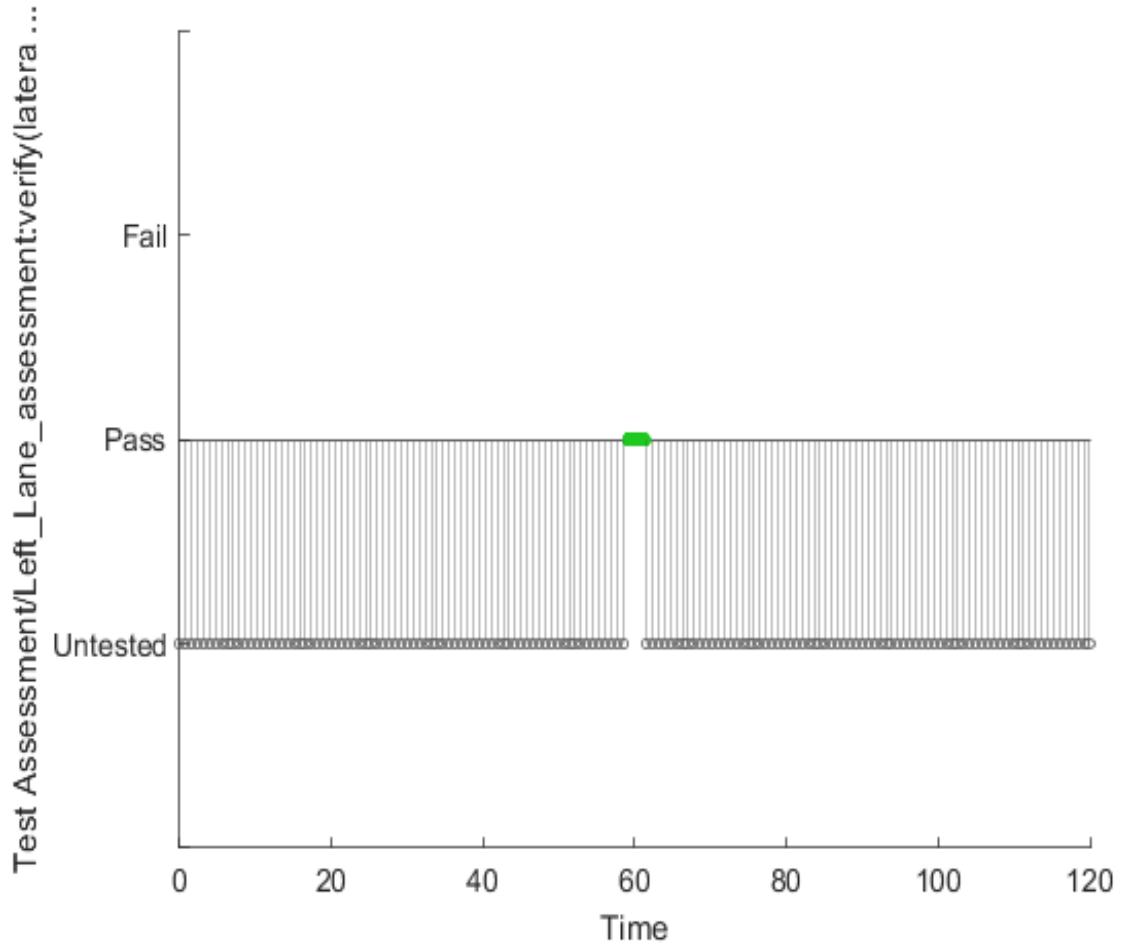
Name: 0° 30km/h  
Type: Simulation Test

### Verify Result

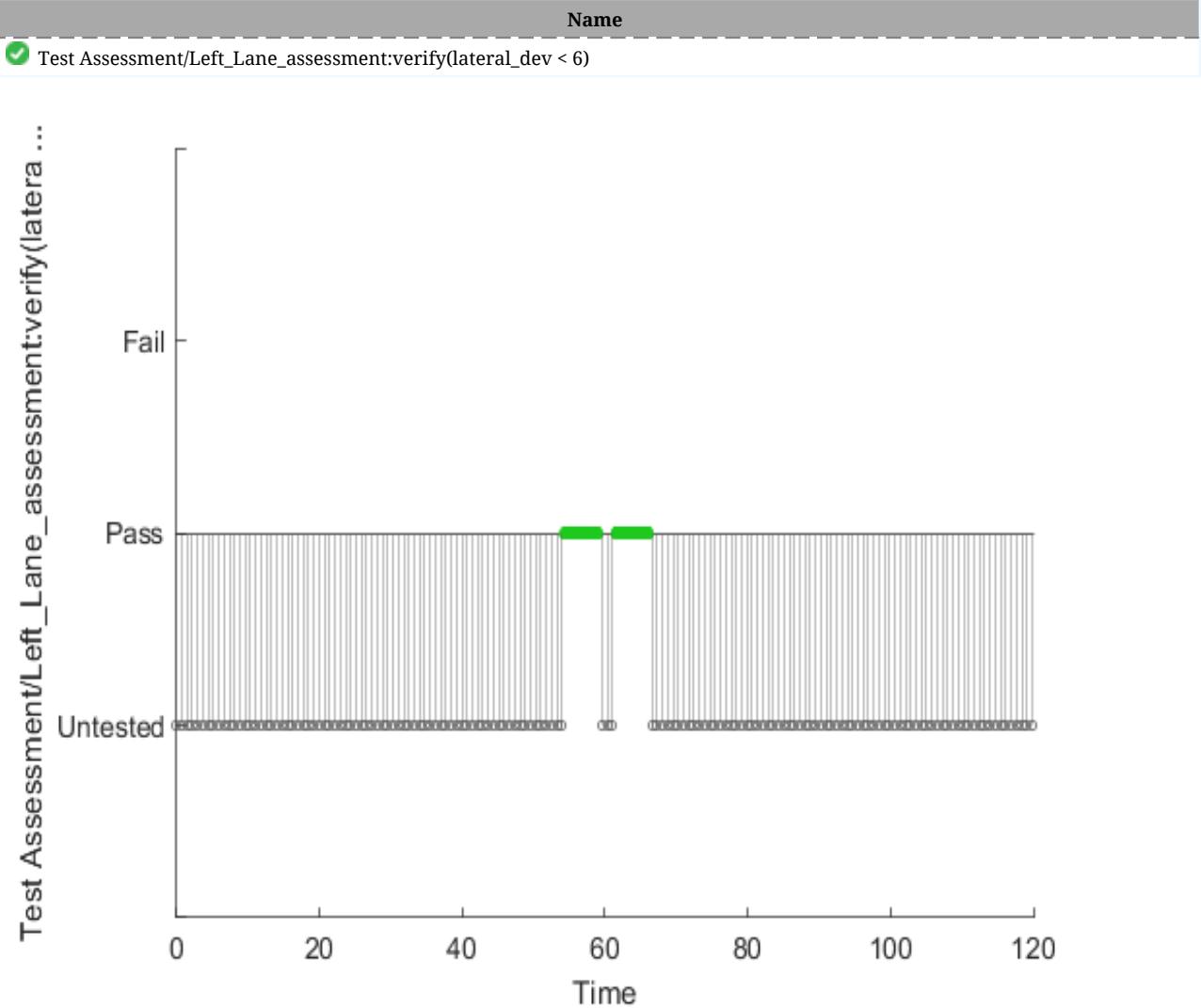
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



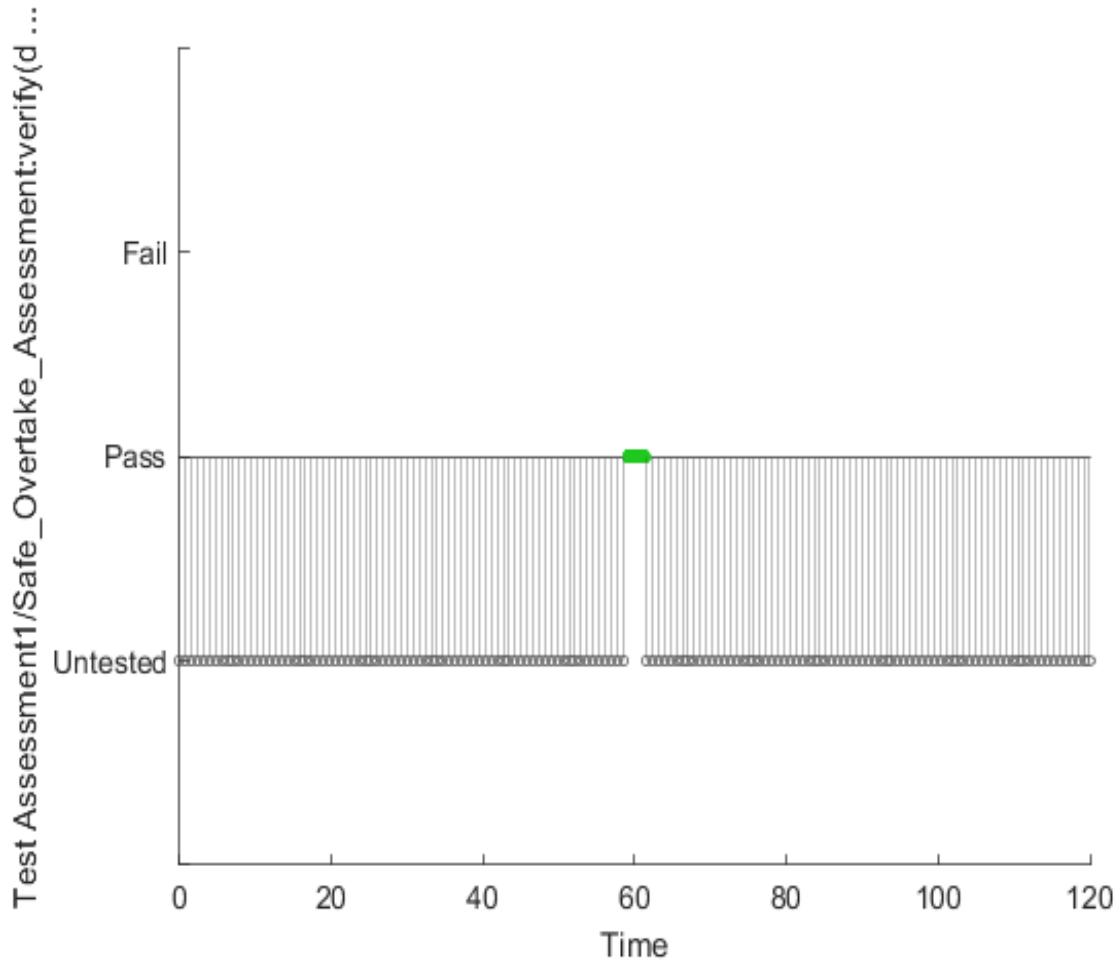
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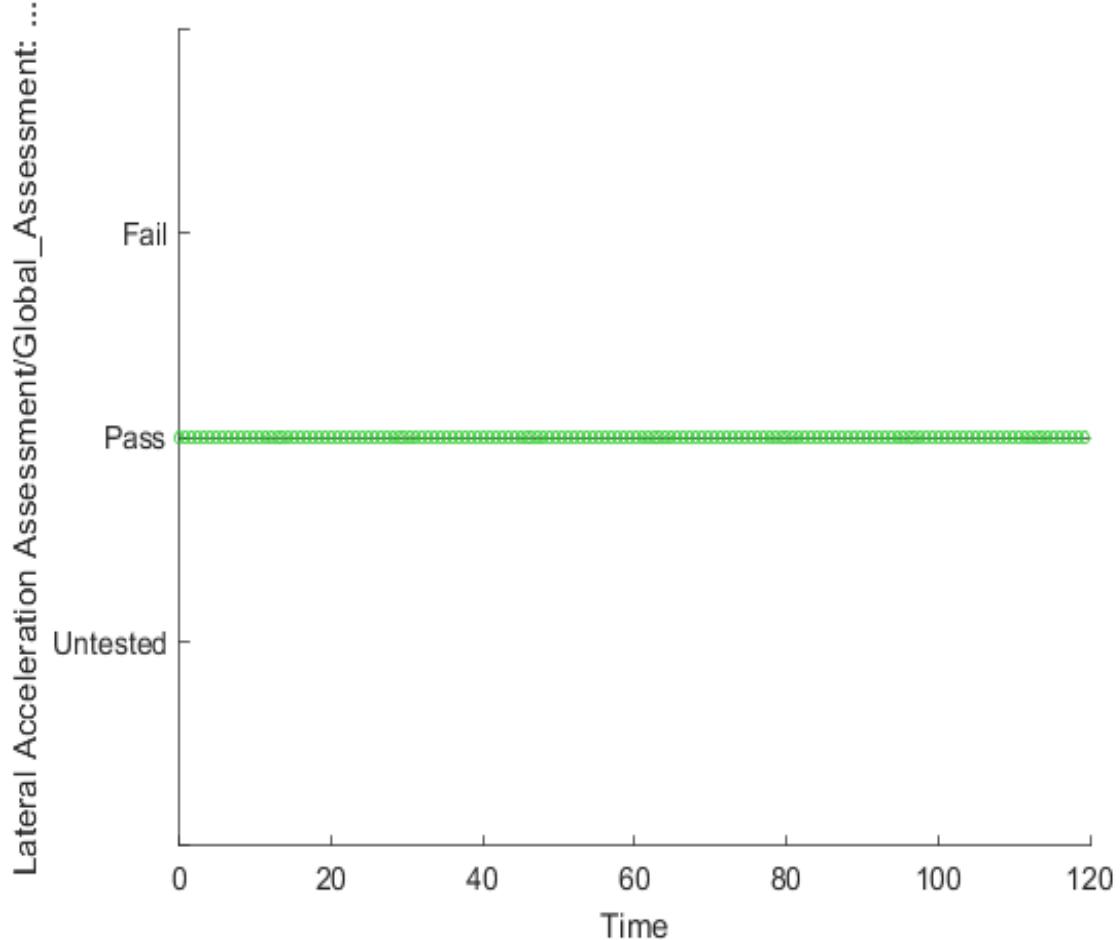
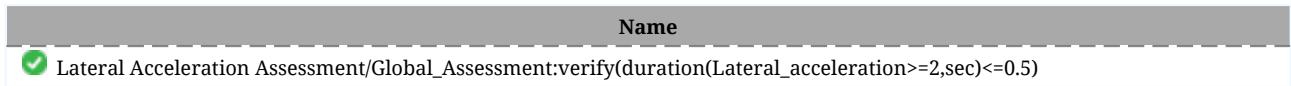
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

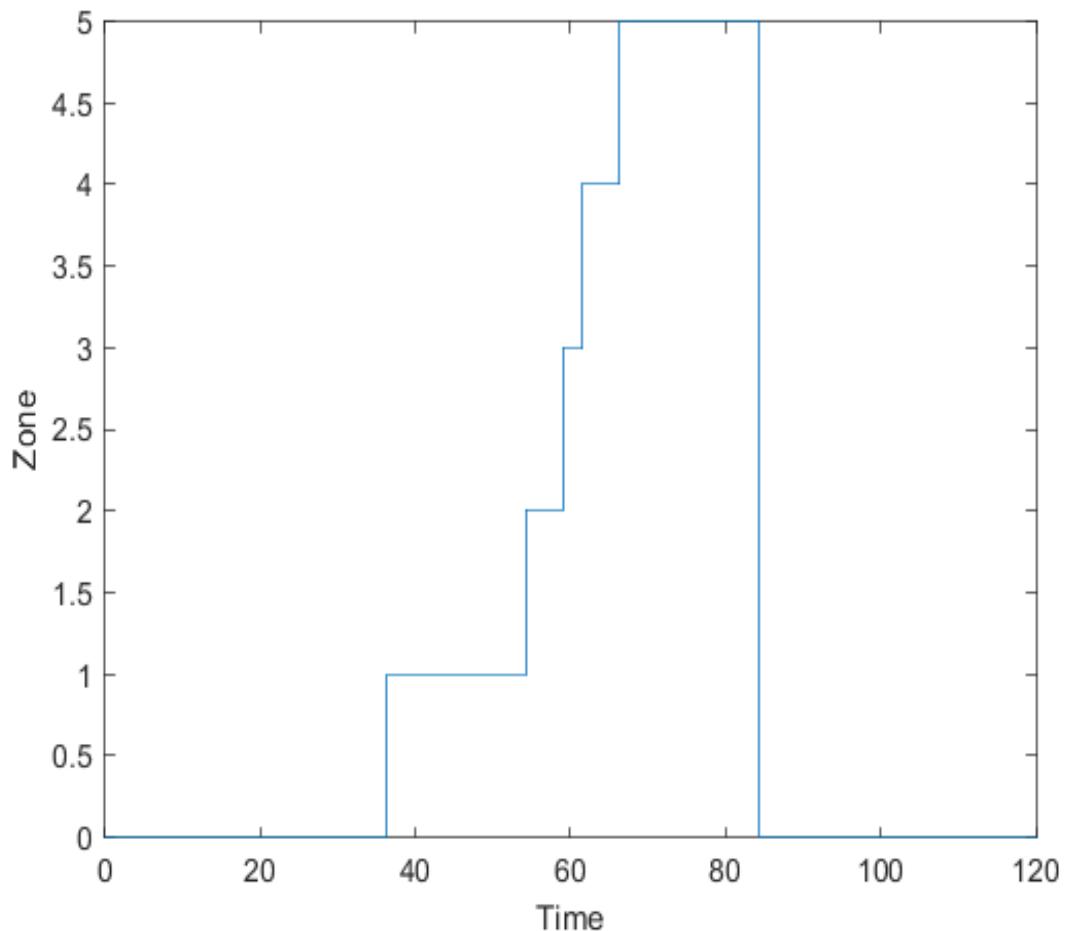
Start Time: 0  
Stop Time: 119.9999999999999  
Checksum: 2041890581 3909965806 2103483158 113047456

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

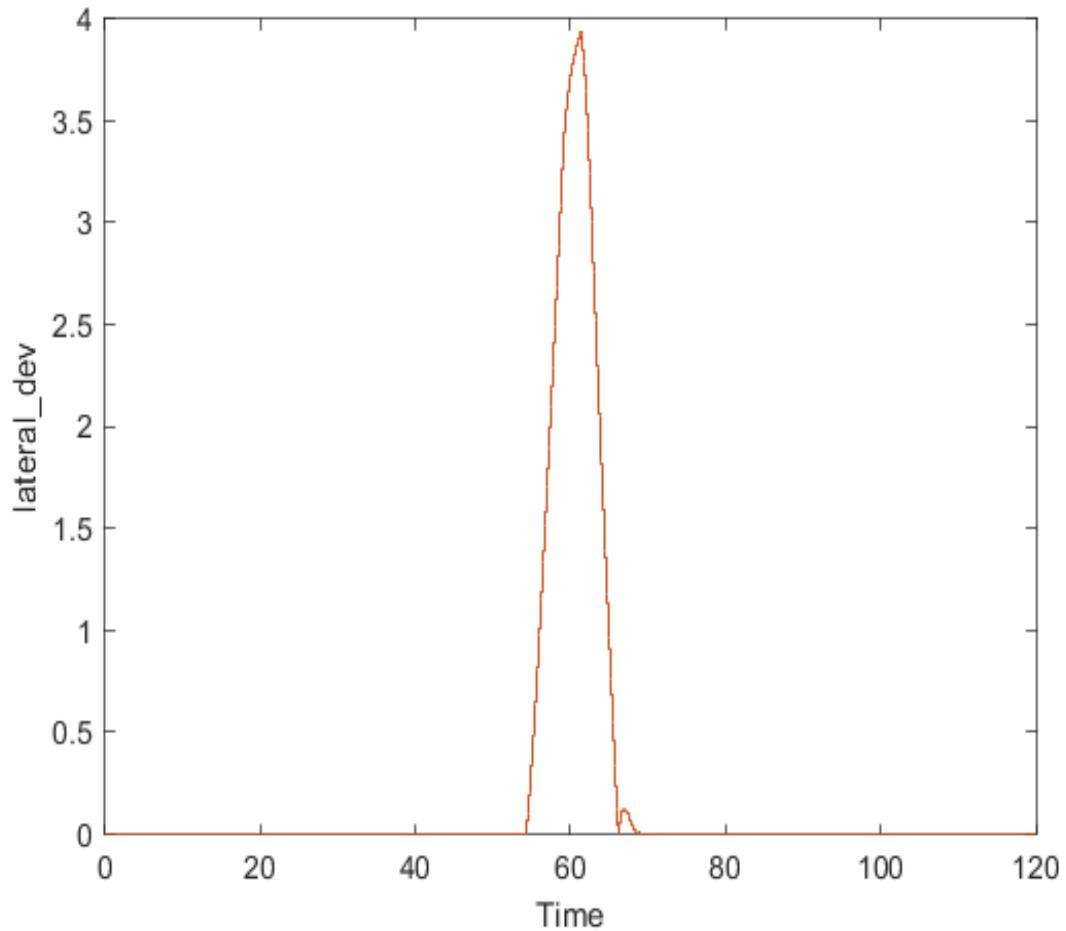
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 20° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

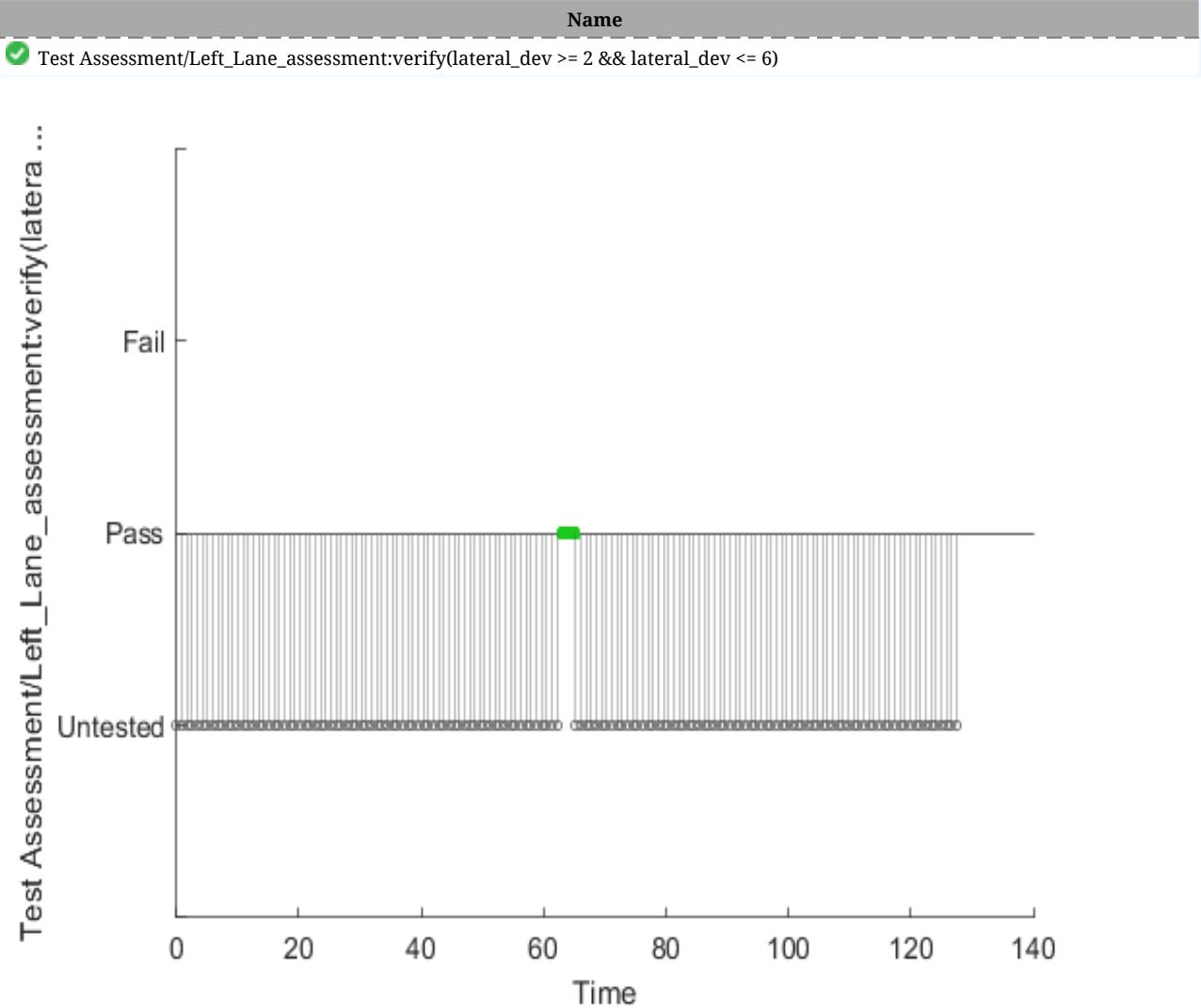
Start Time: 19-May-2021 21:48:54  
End Time: 19-May-2021 21:49:10  
Outcome: Passed

## Test Case Information

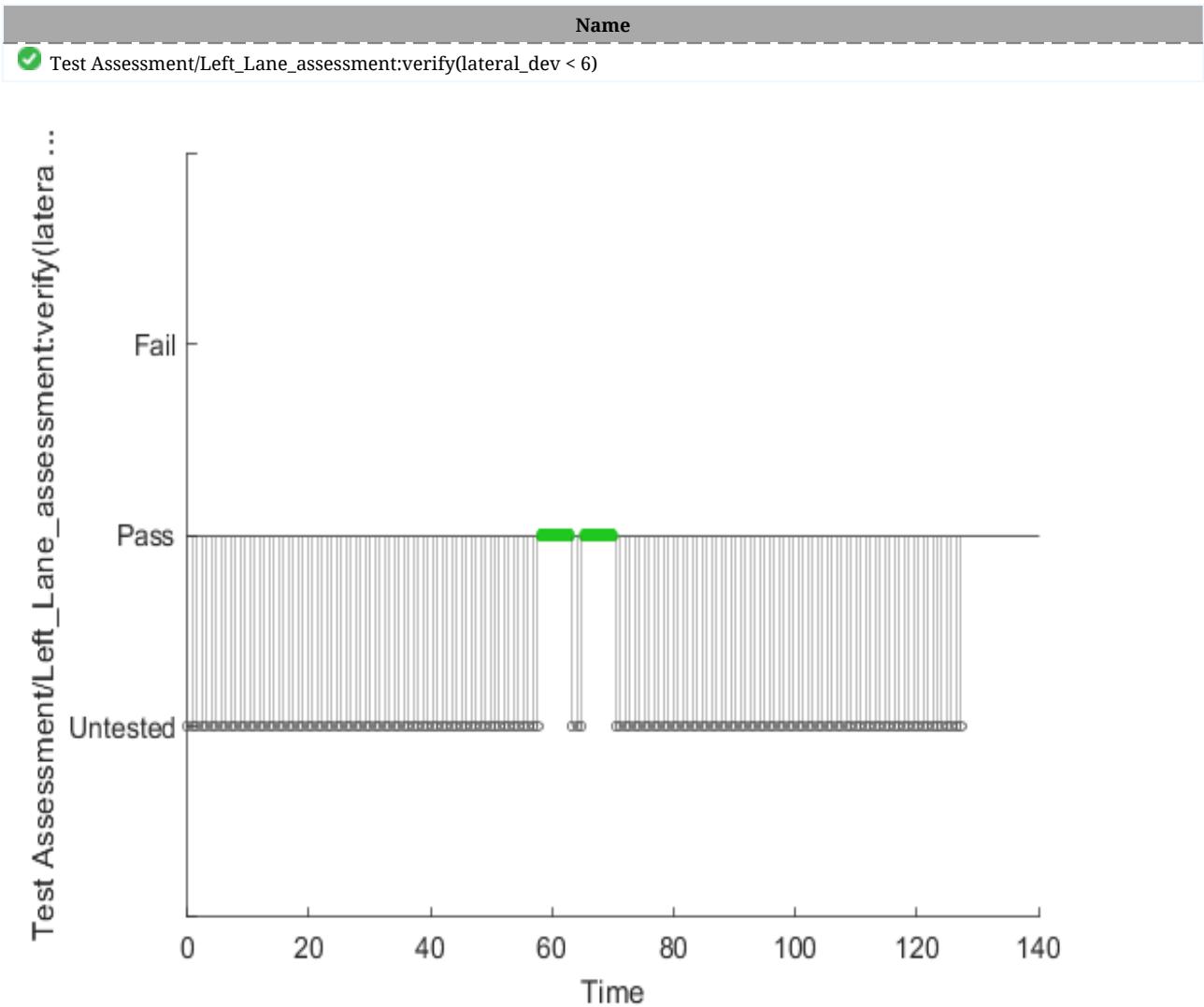
Name: 20° 30km/h  
Type: Simulation Test

## Verify Result

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



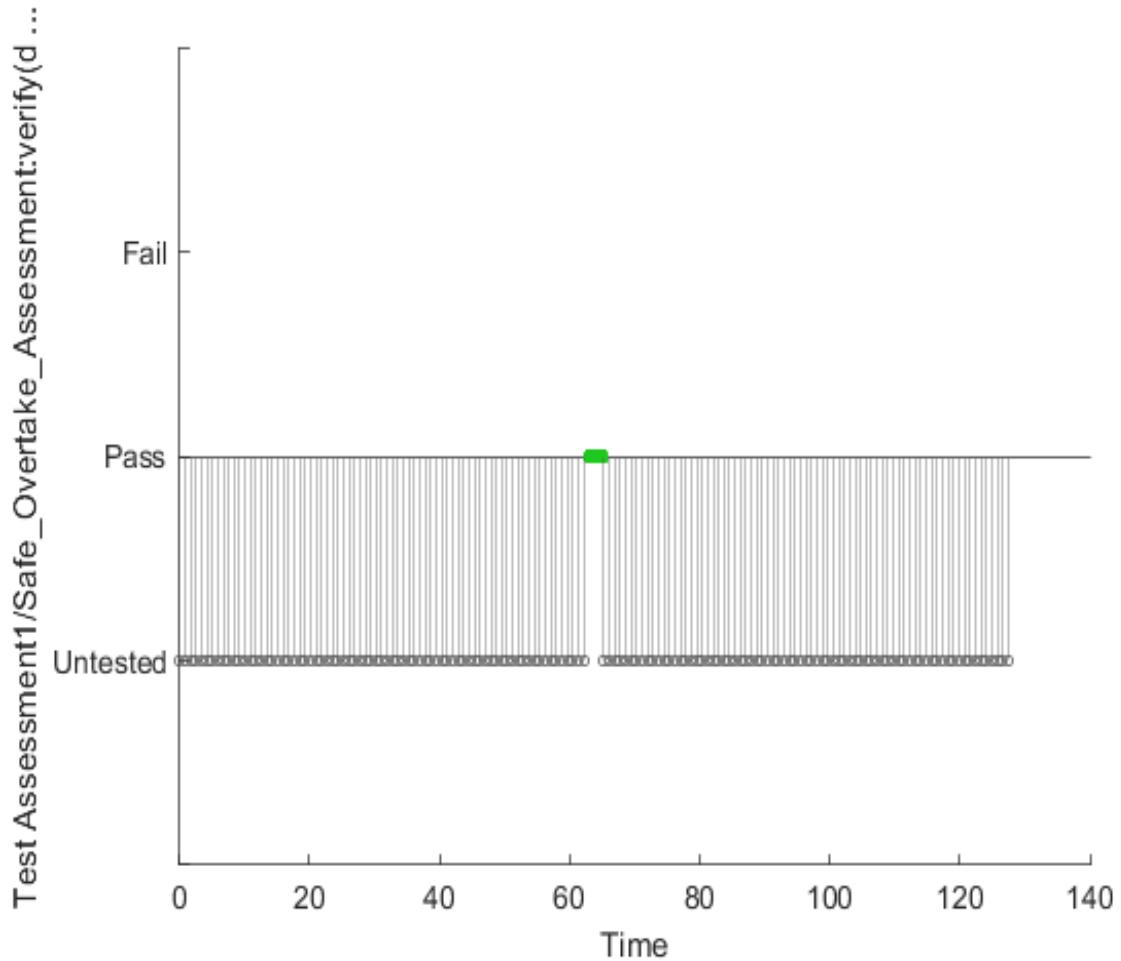
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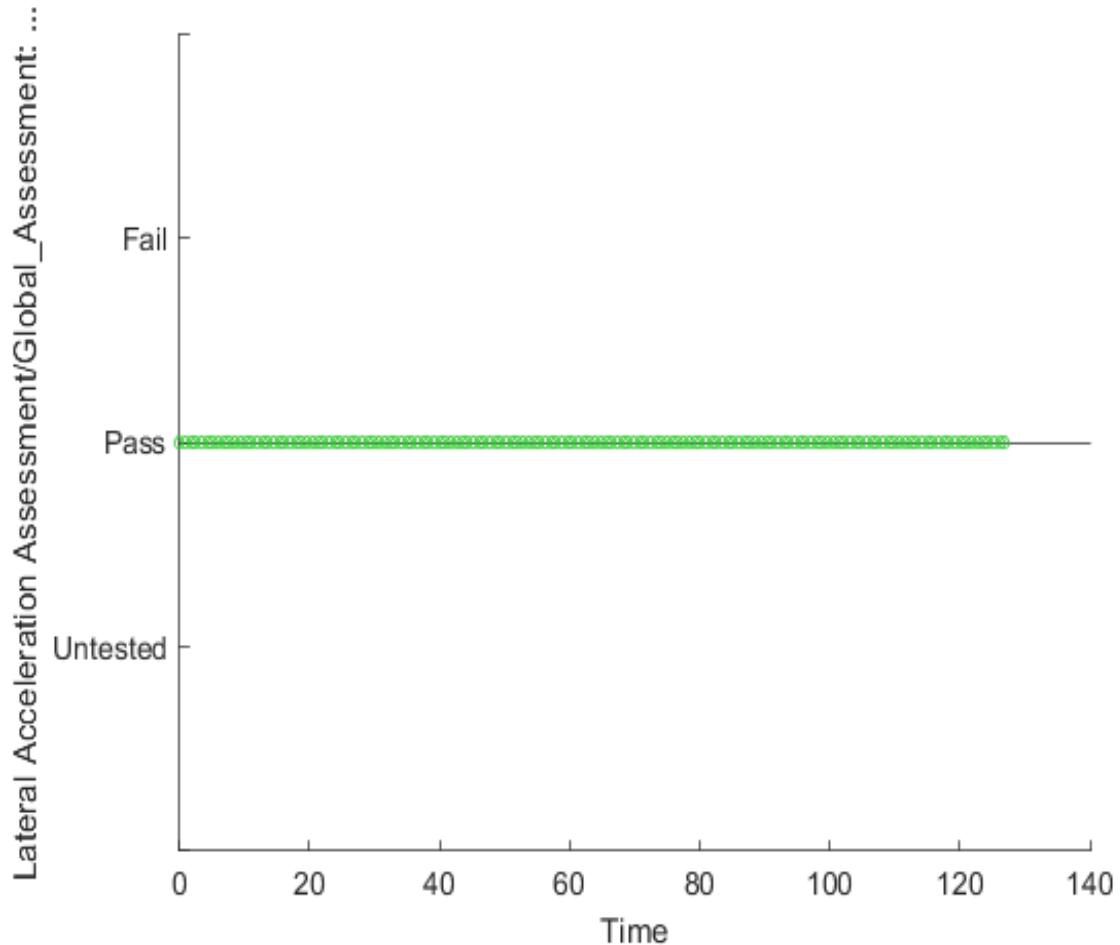
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

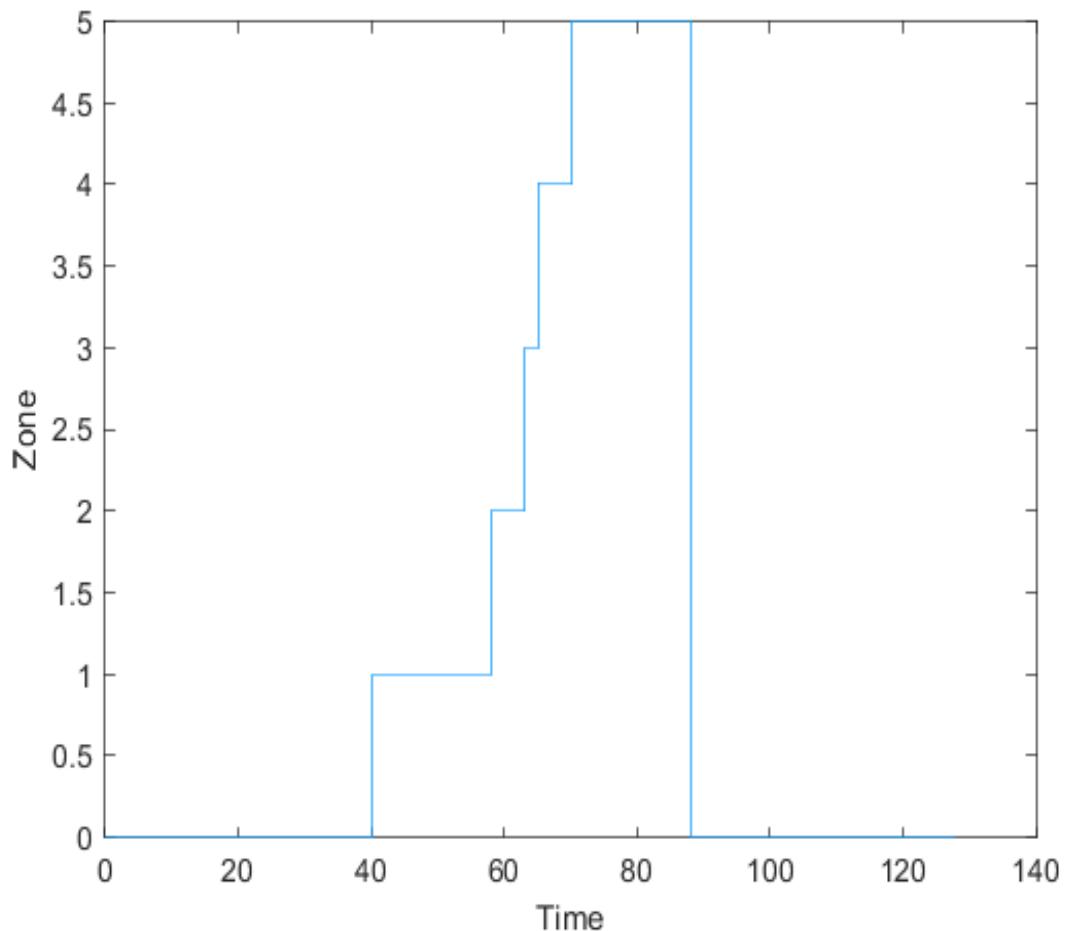
Start Time: 0  
Stop Time: 127.70255439888429  
Checksum: 683140037 1277069260 1389166635 1421240856

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

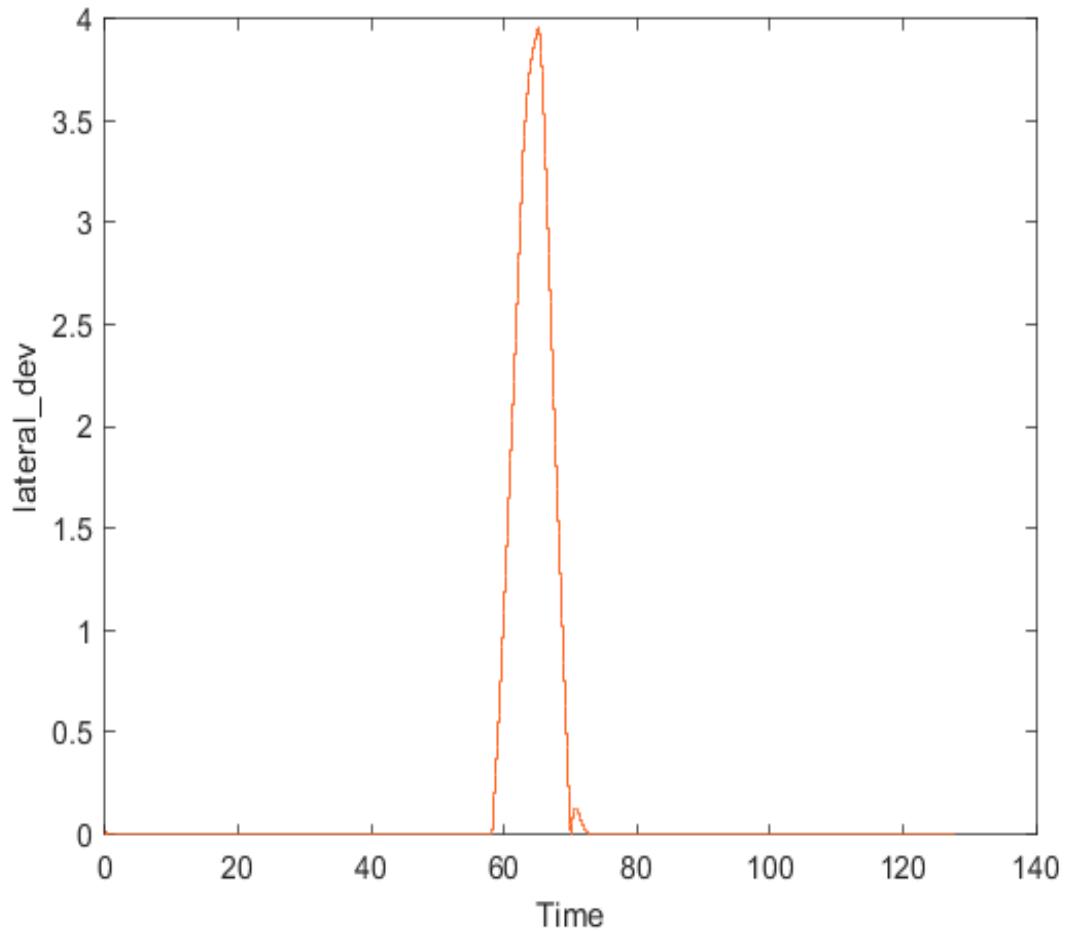
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 45° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:49:10  
End Time: 19-May-2021 21:49:30  
Outcome: Passed

## Test Case Information

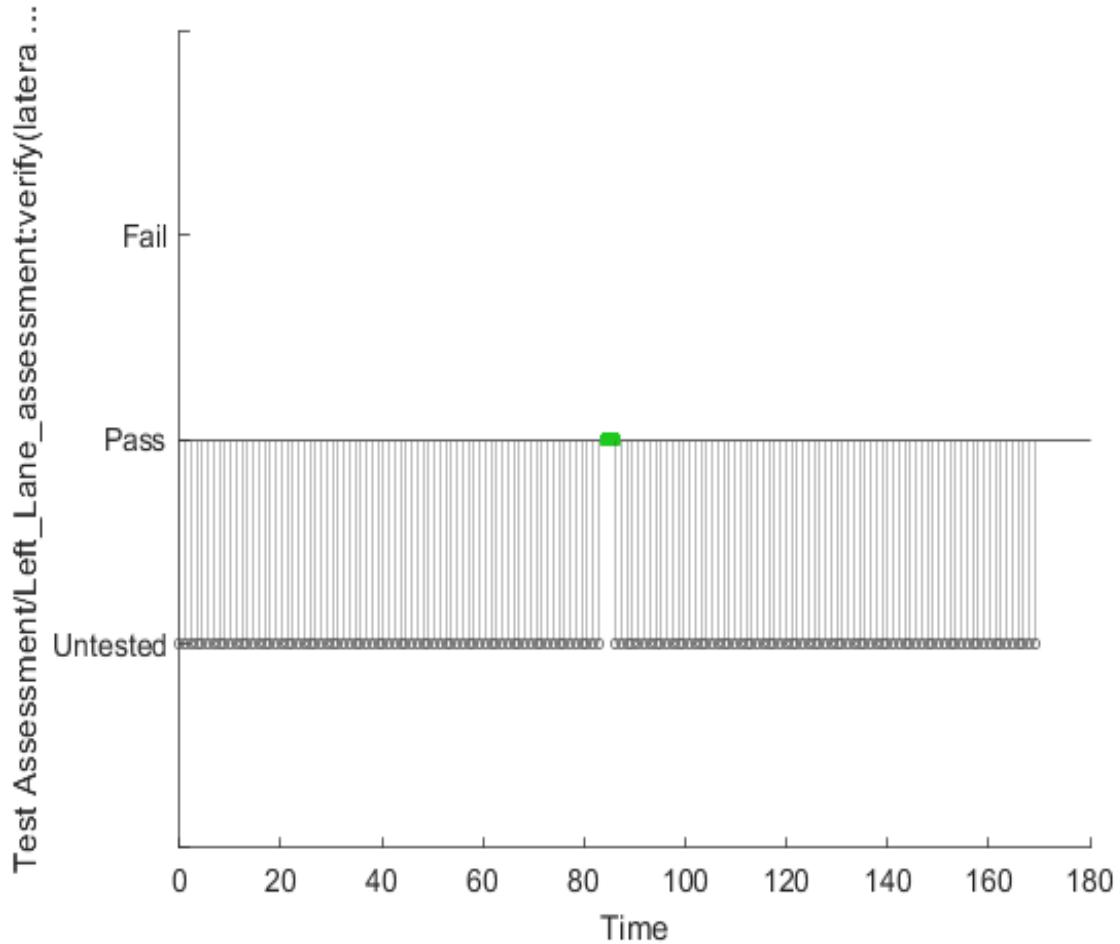
Name: 45° 30km/h  
Type: Simulation Test

## Verify Result

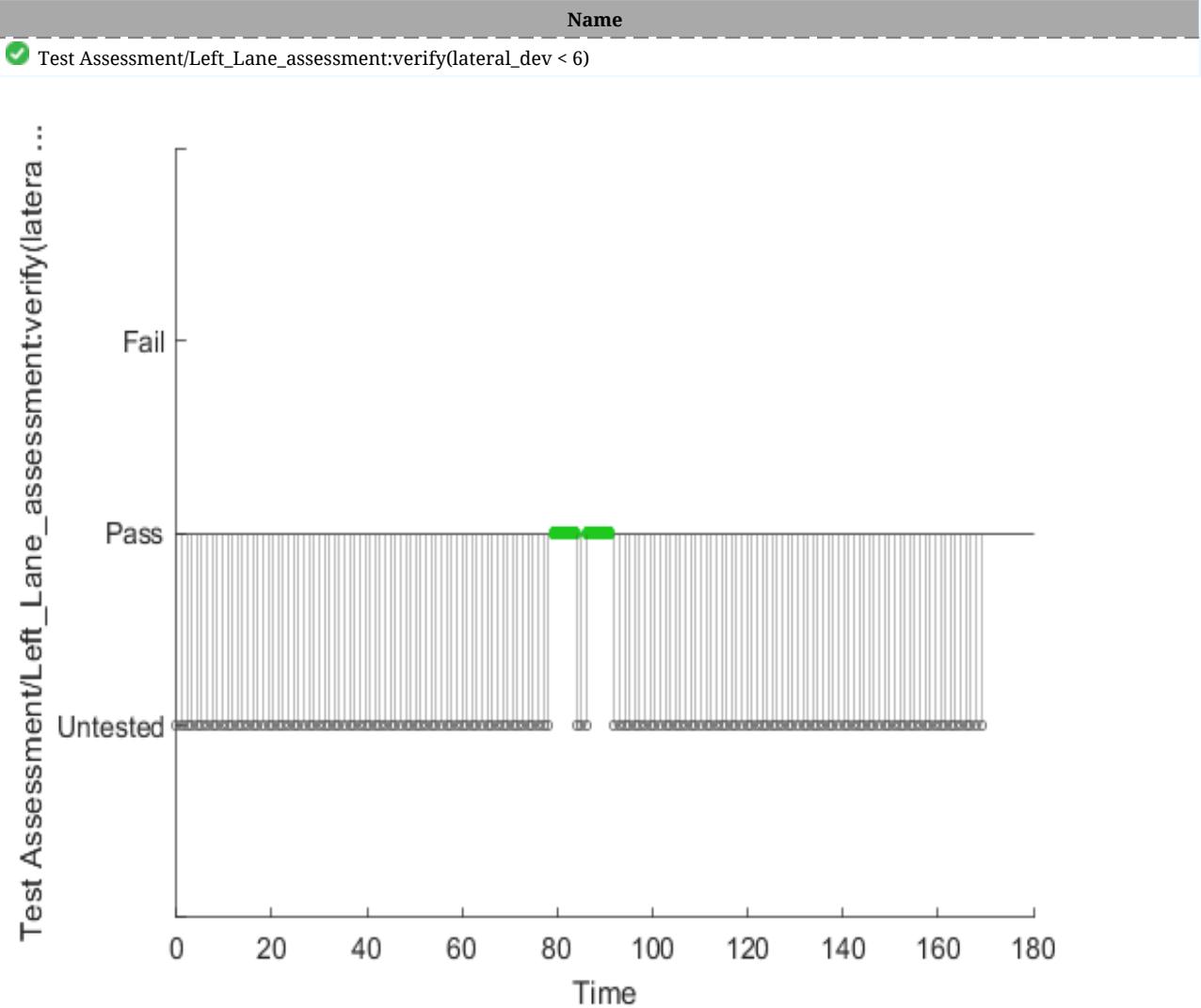
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



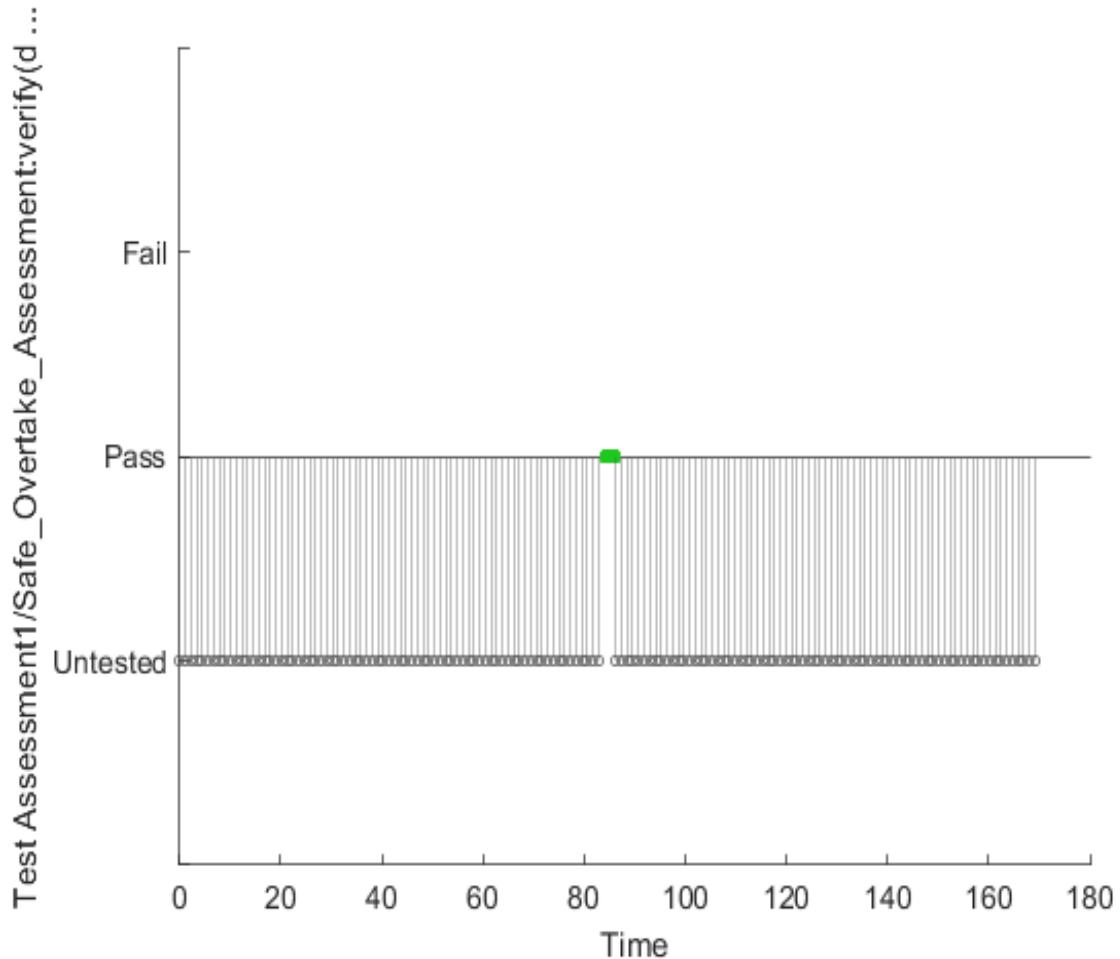
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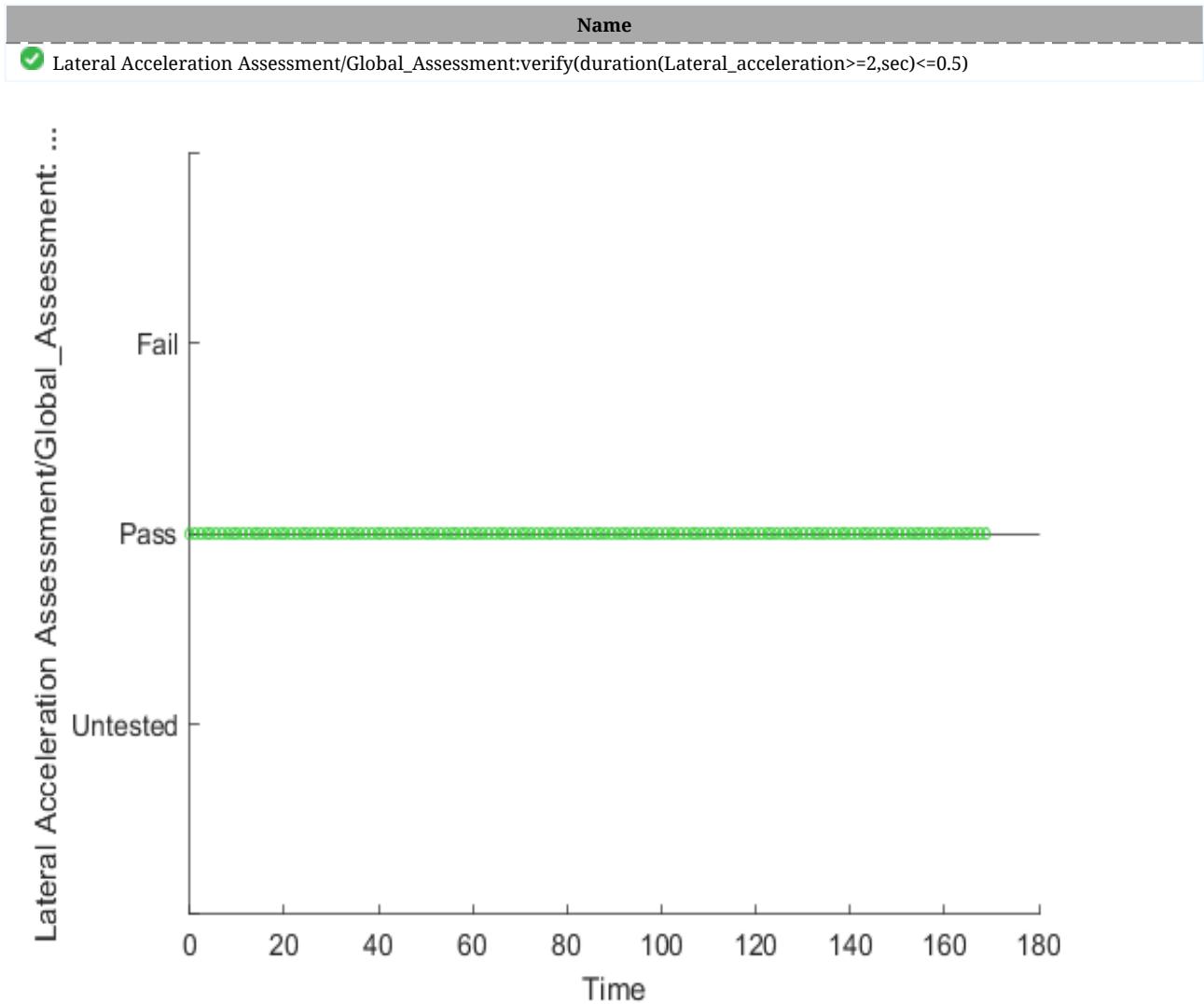
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

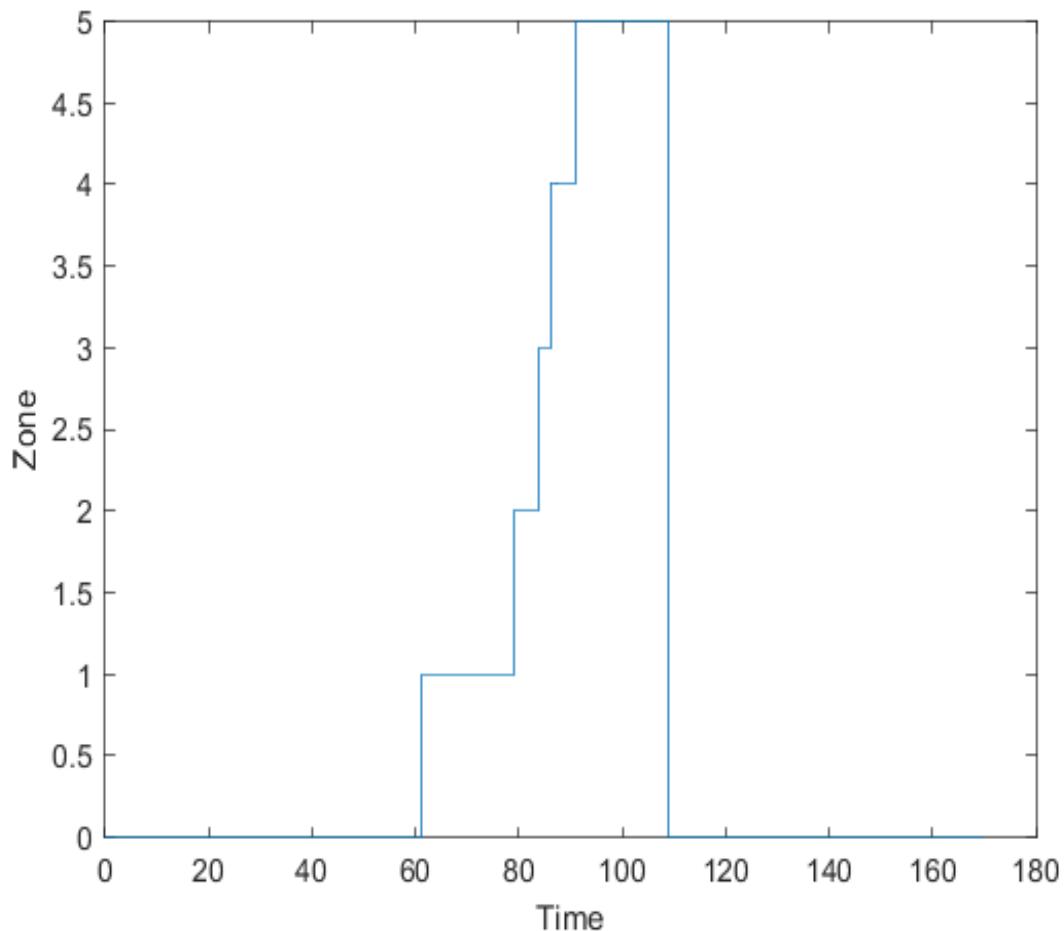
Start Time: 0  
Stop Time: 169.70562748477141  
Checksum: 3637510351 376823517 3882411658 459587679

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

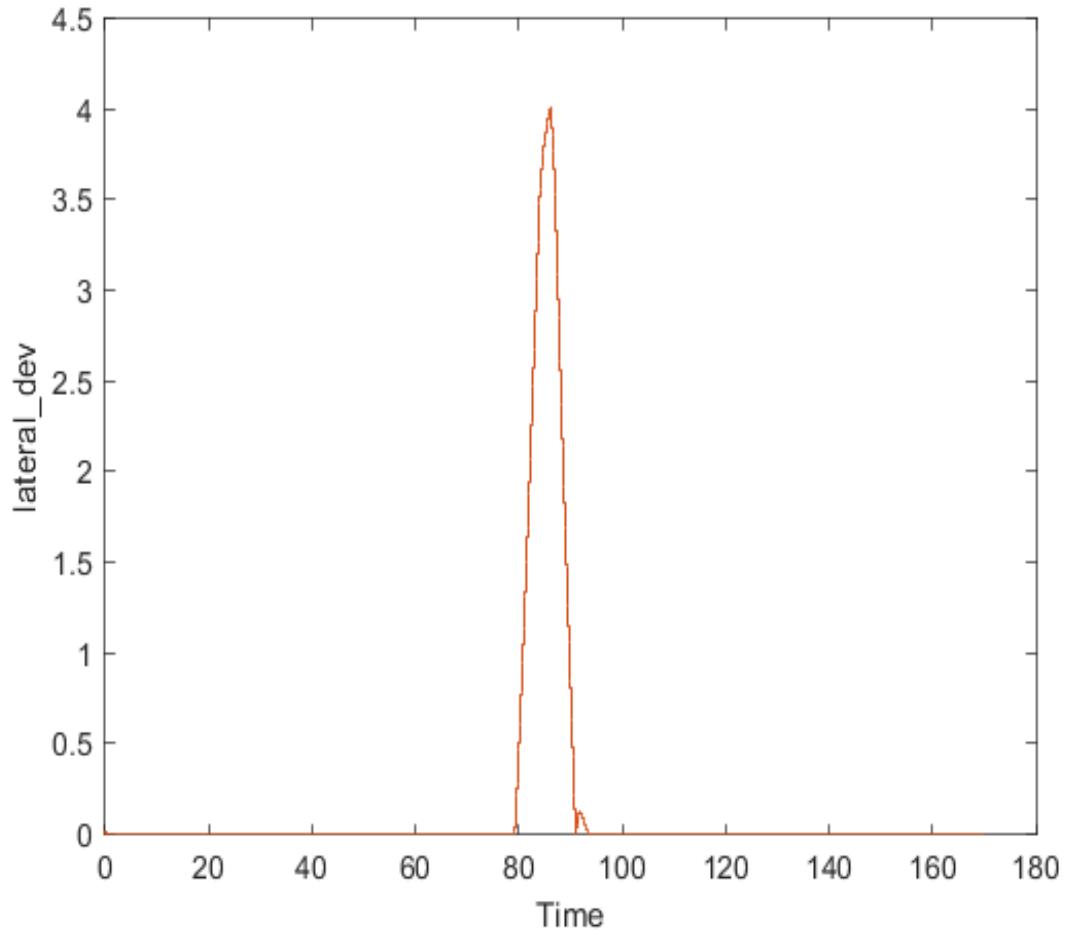
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 70° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:49:30  
End Time: 19-May-2021 21:50:18  
Outcome: Passed

## Test Case Information

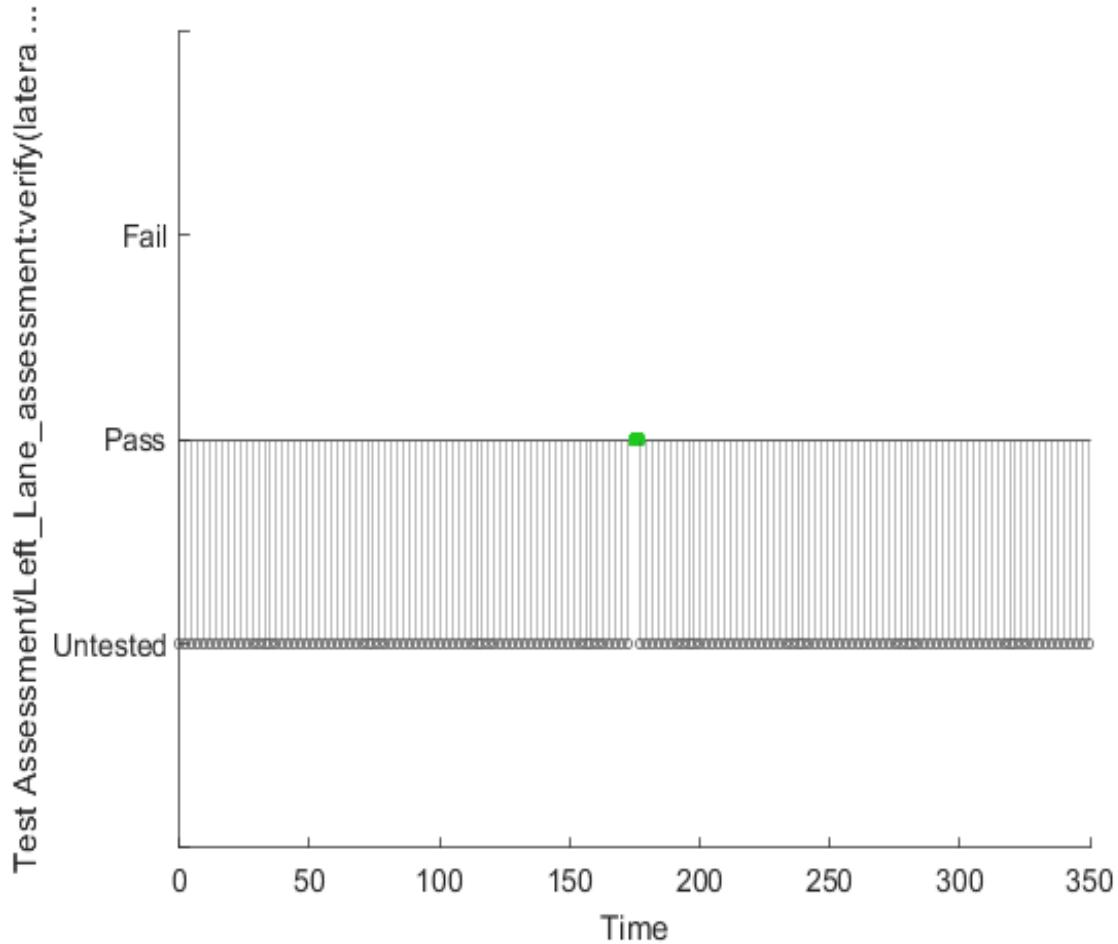
Name: 70° 30km/h  
Type: Simulation Test

## Verify Result

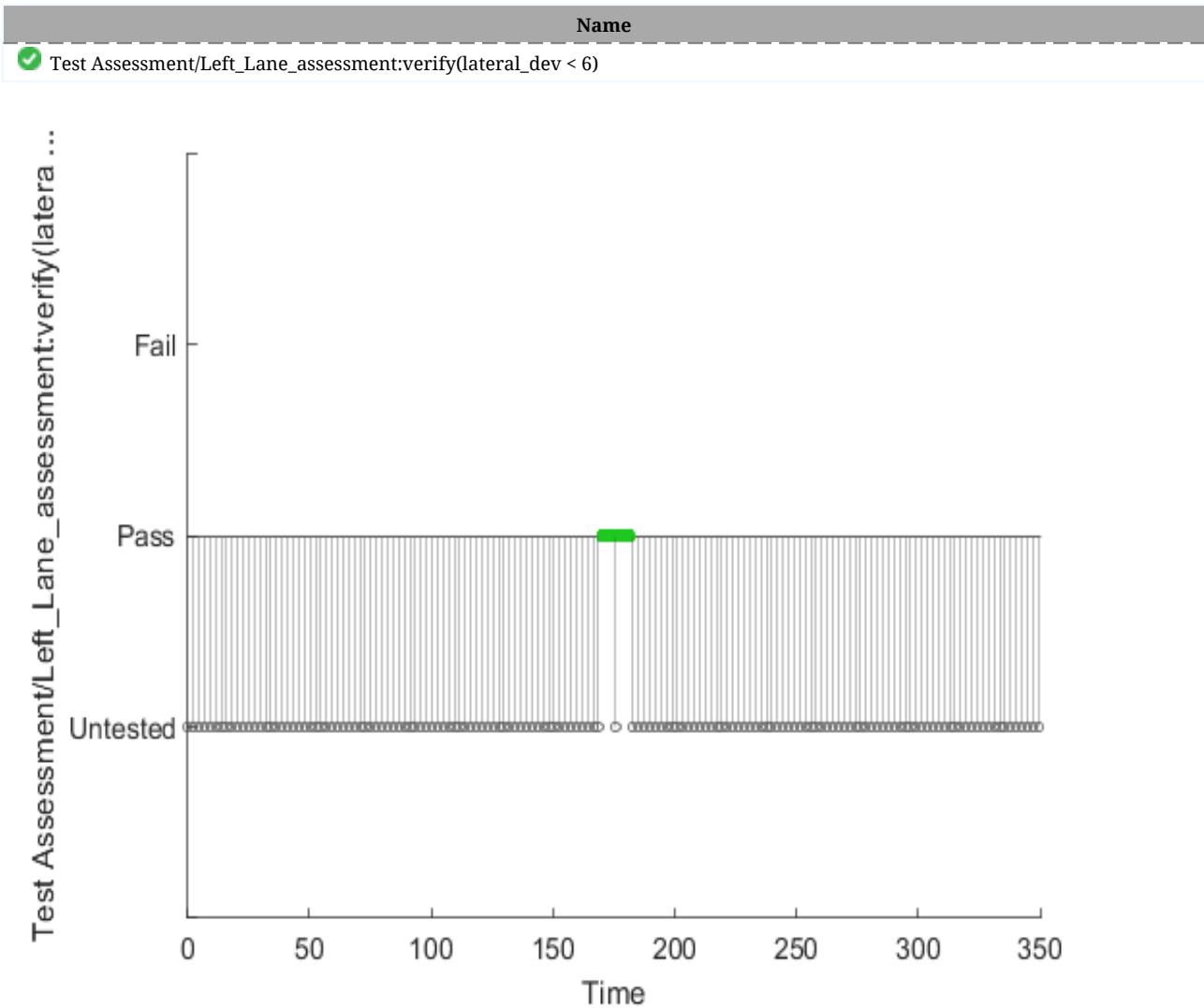
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



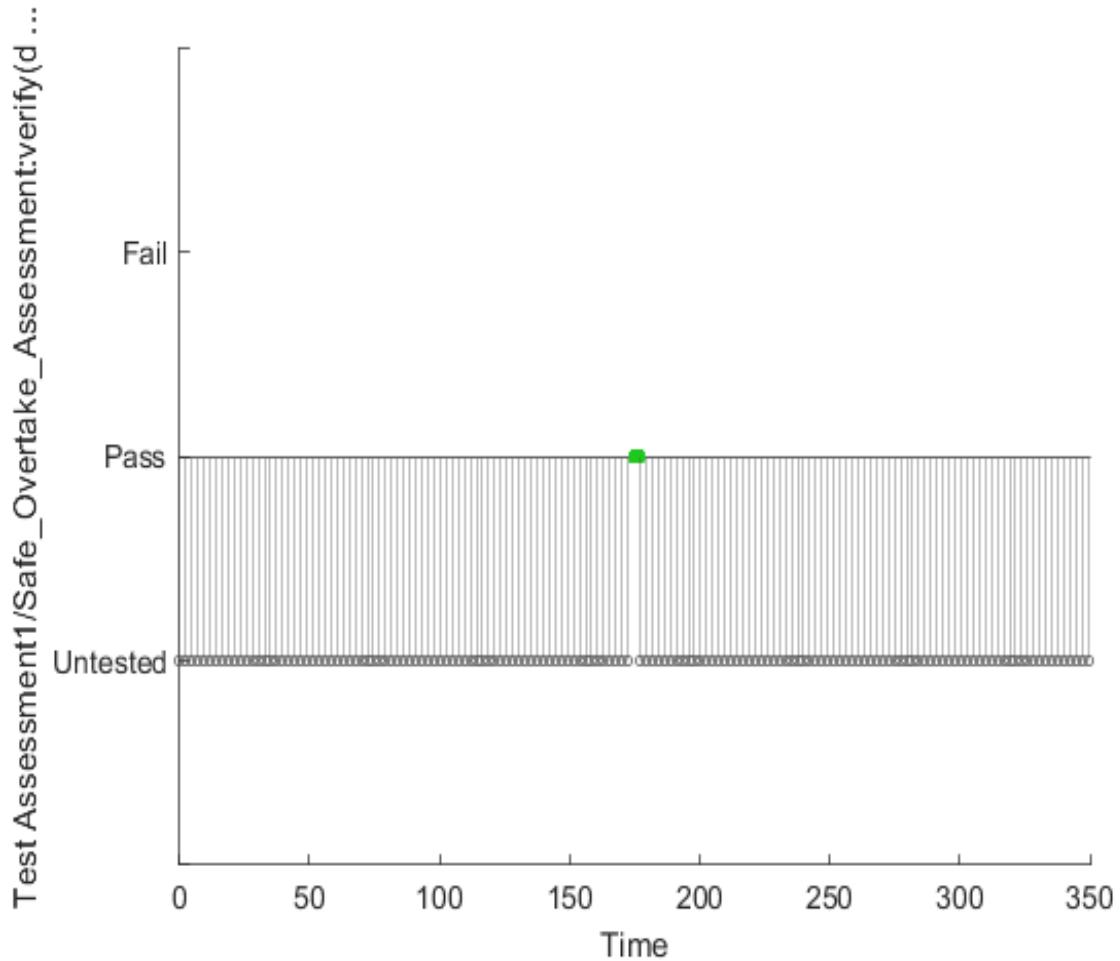
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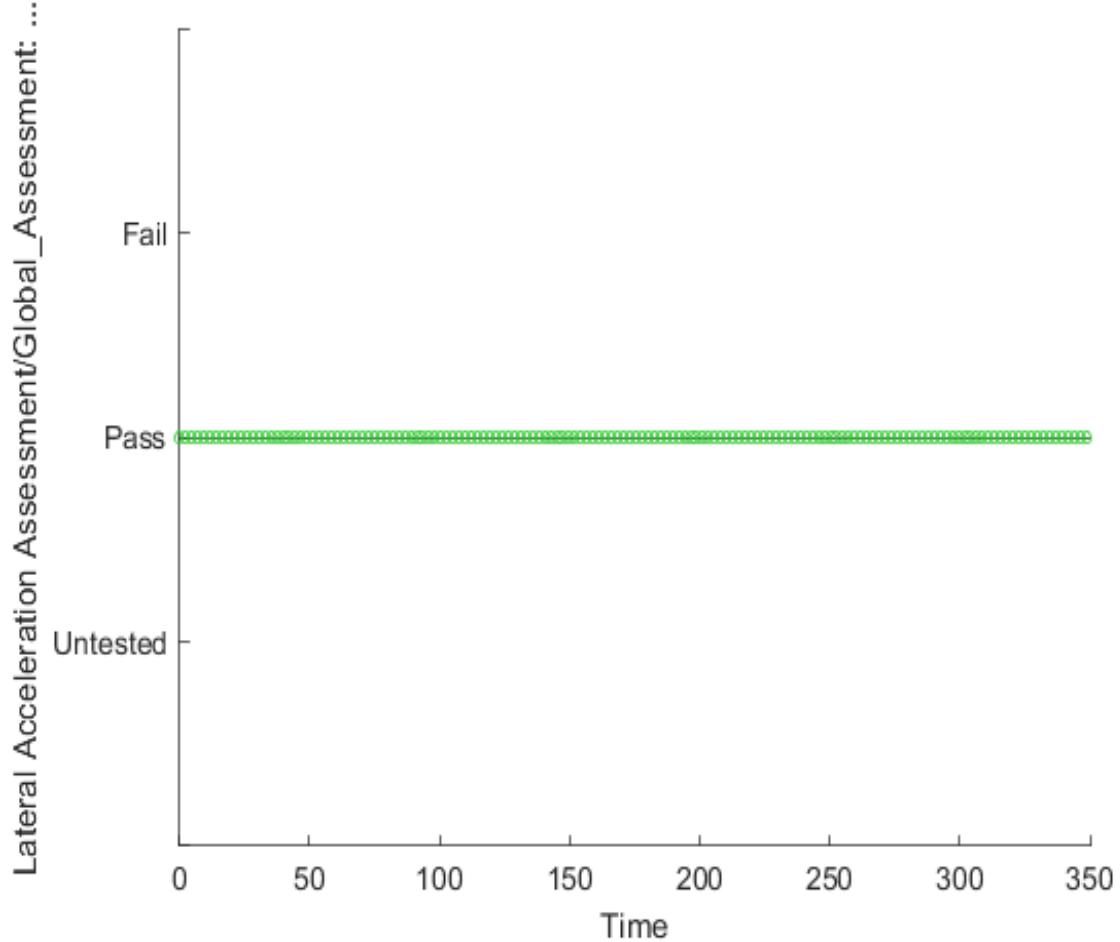
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

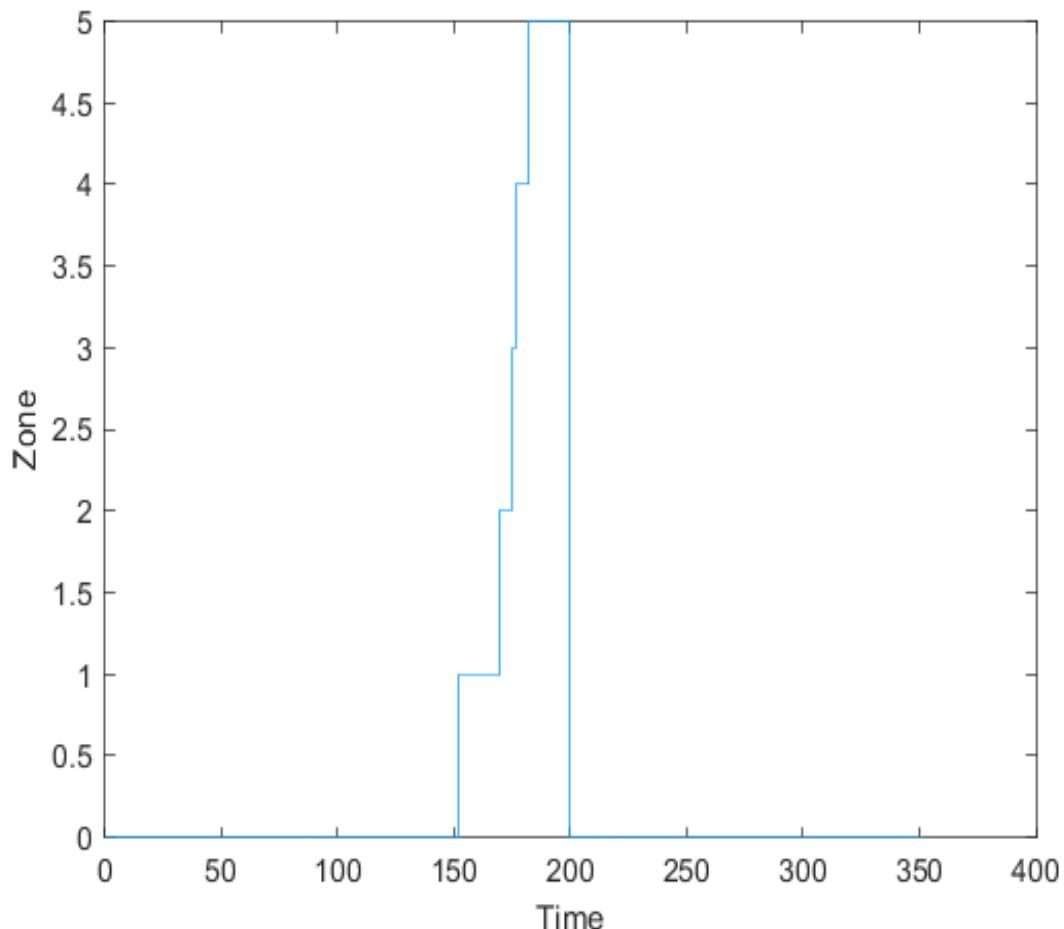
Start Time: 0  
Stop Time: 350.80269326218121  
Checksum: 452172243 3280721110 1263425972 1203986333

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

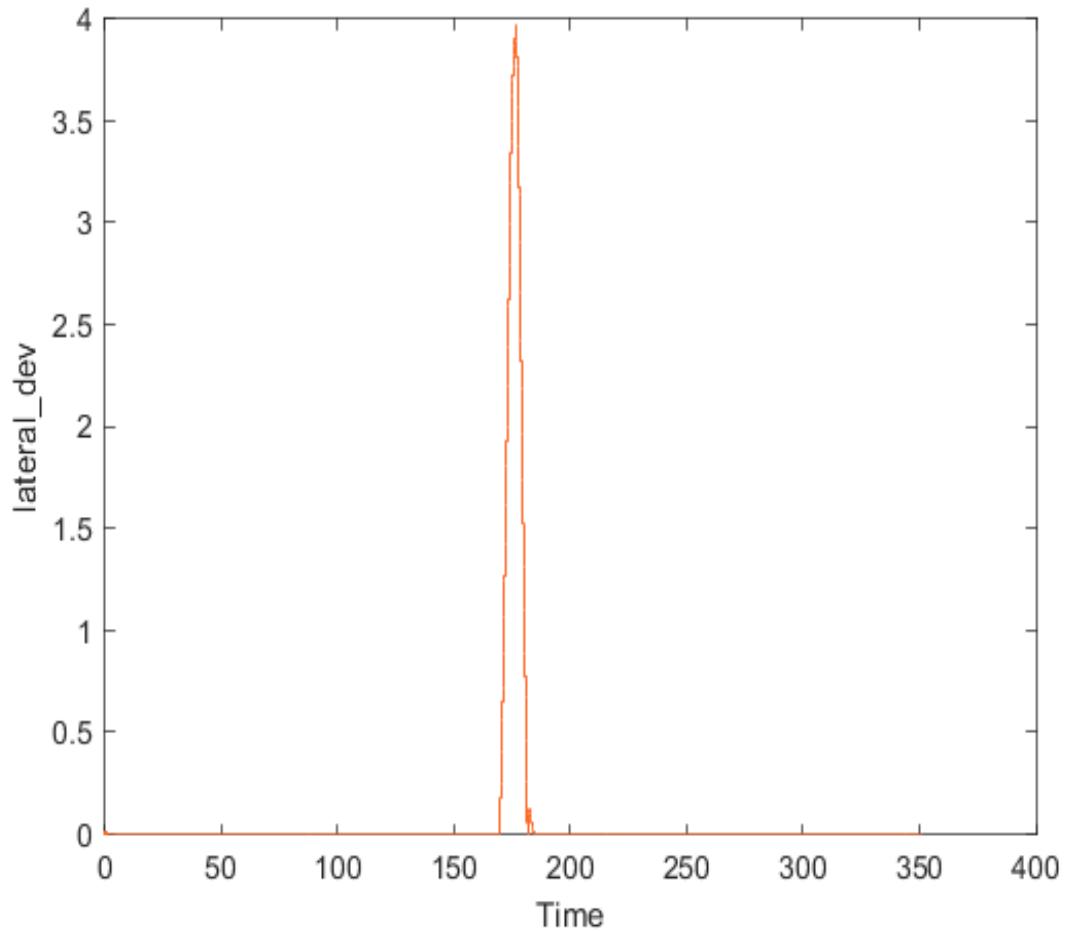
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 90° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:50:18  
End Time: 19-May-2021 21:50:30  
Outcome: Passed

## Test Case Information

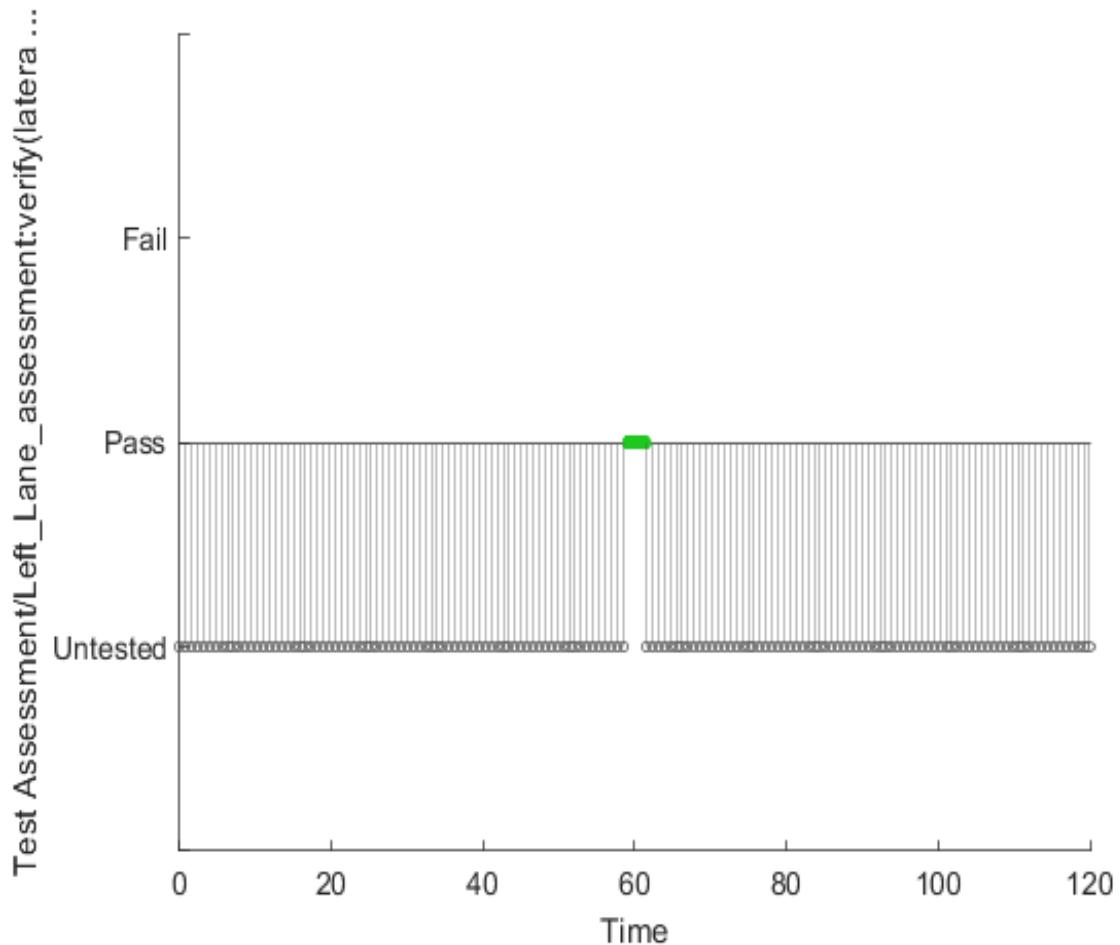
Name: 90° 30km/h  
Type: Simulation Test

## Verify Result

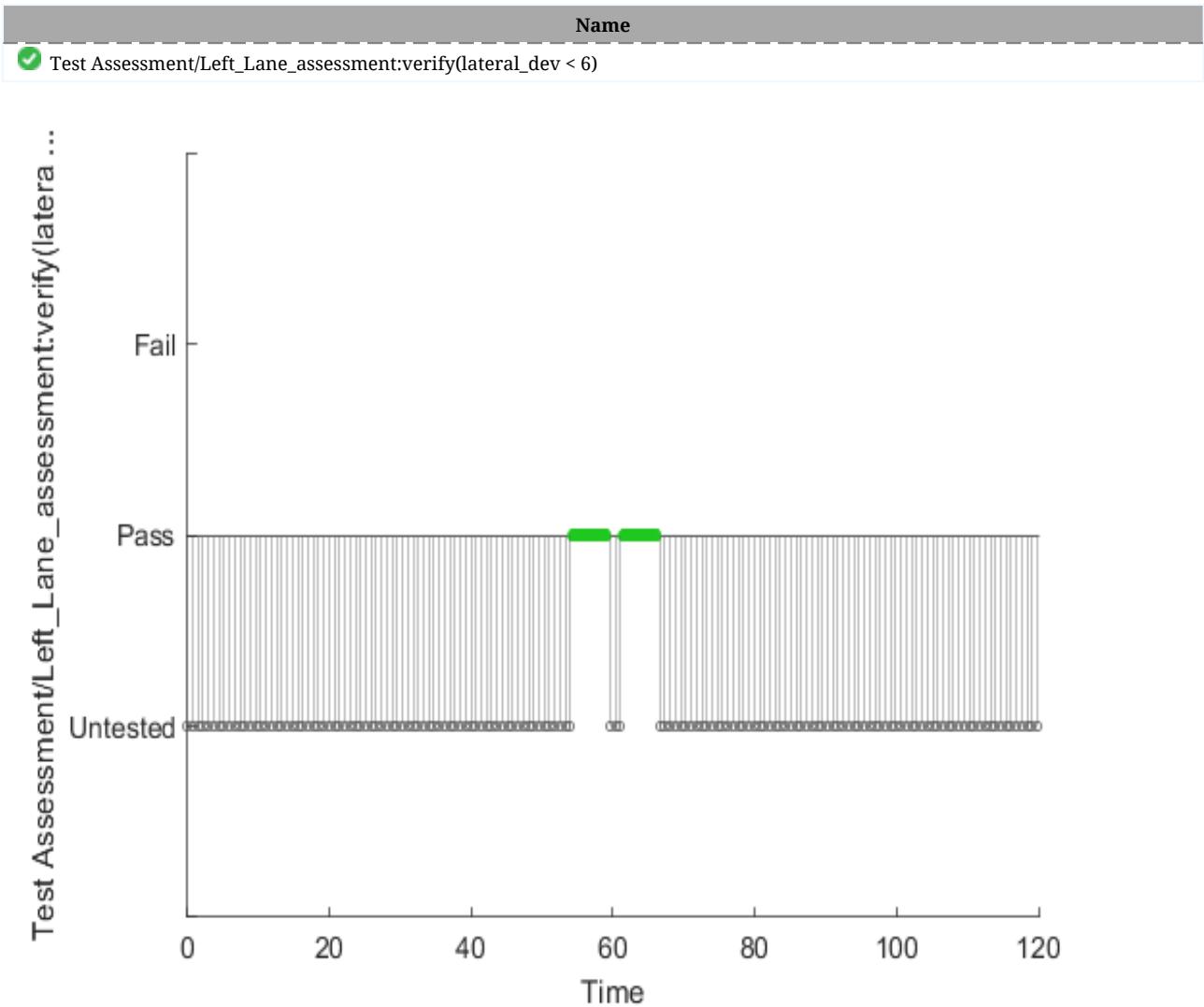
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



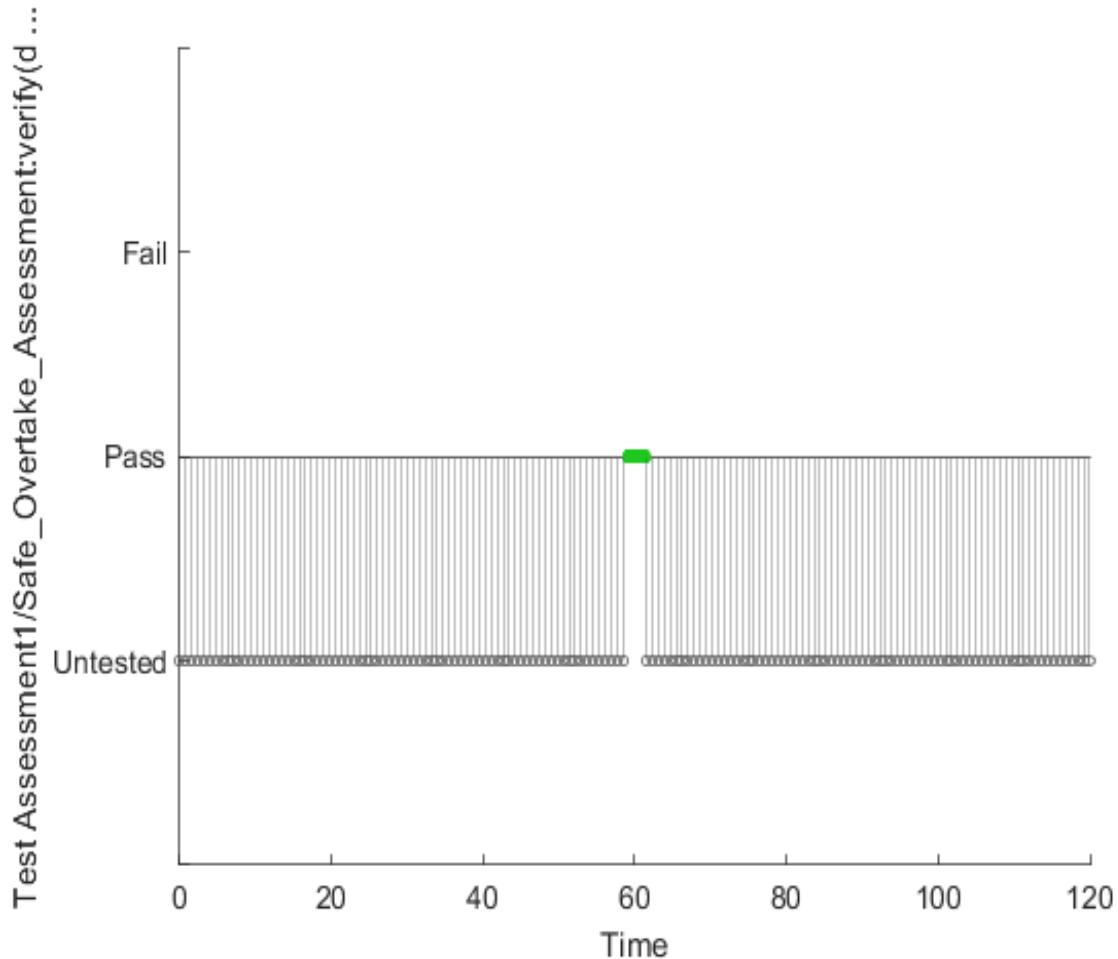
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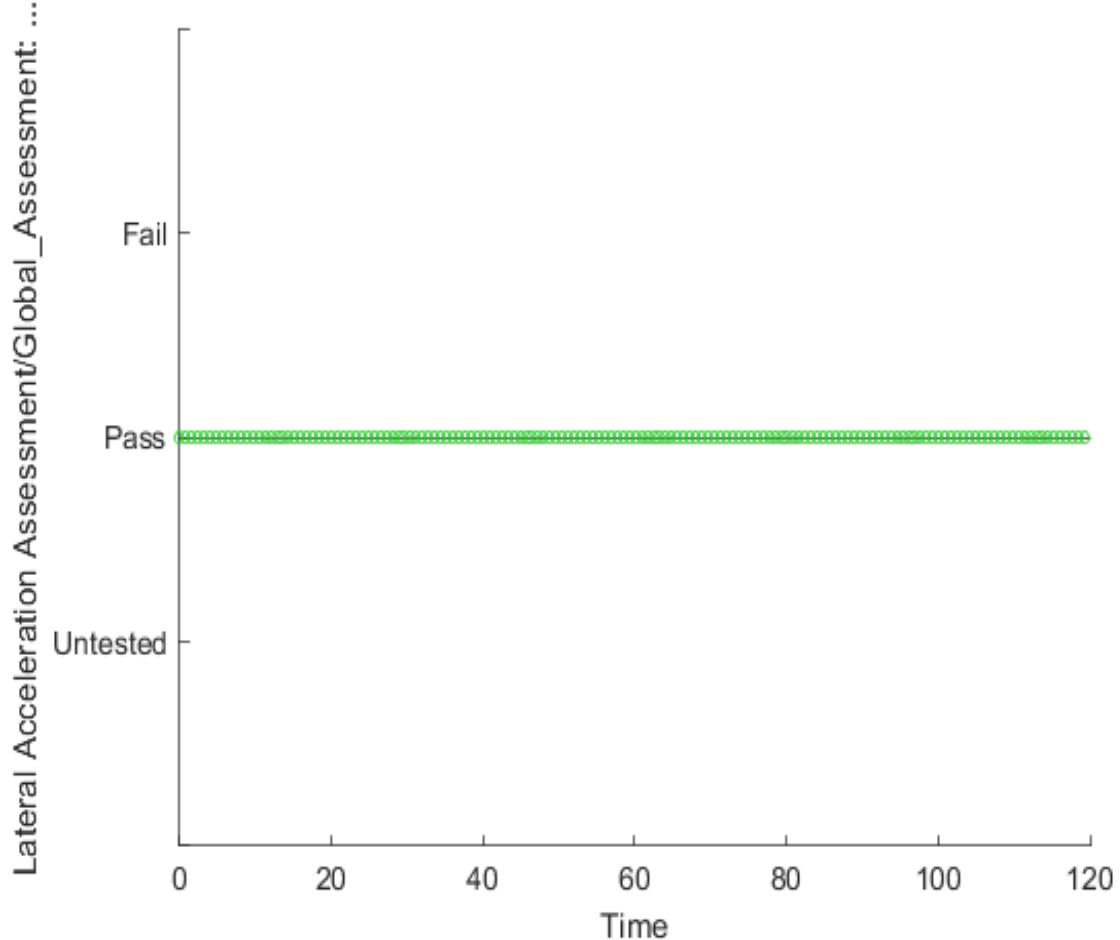
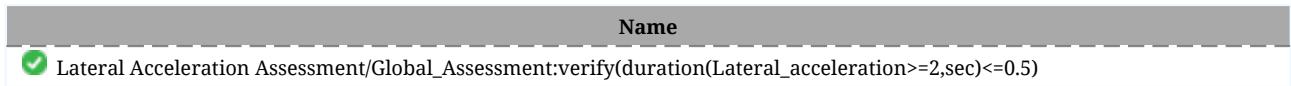
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

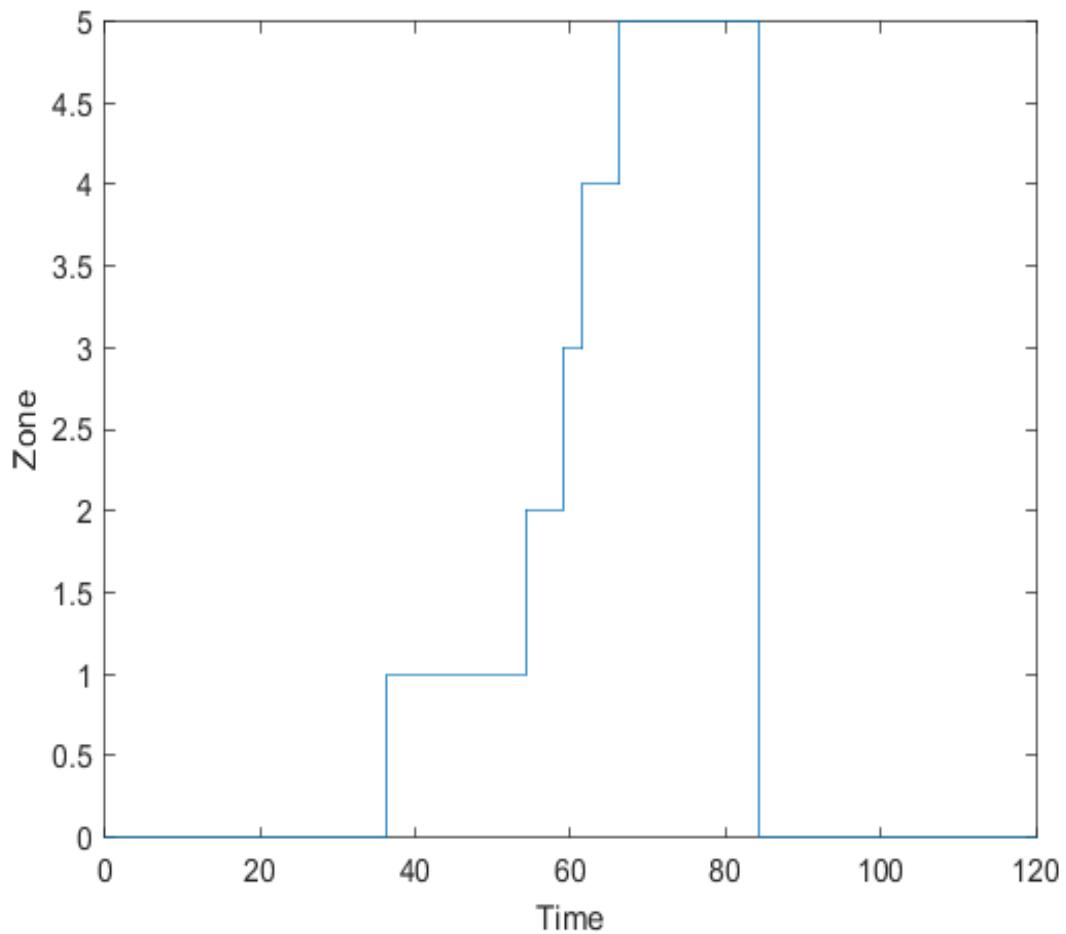
Start Time: 0  
Stop Time: 119.9999999999999  
Checksum: 2041890581 3909965806 2103483158 113047456

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

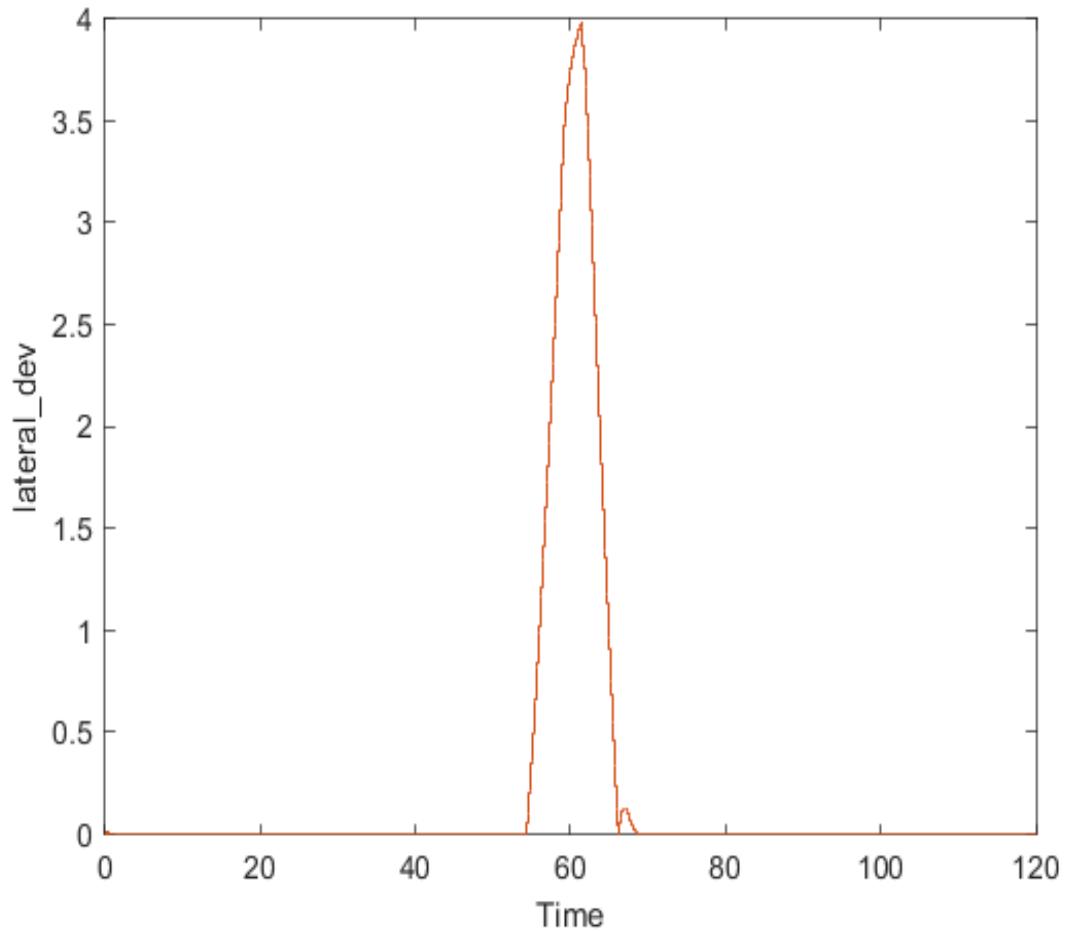
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 110° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

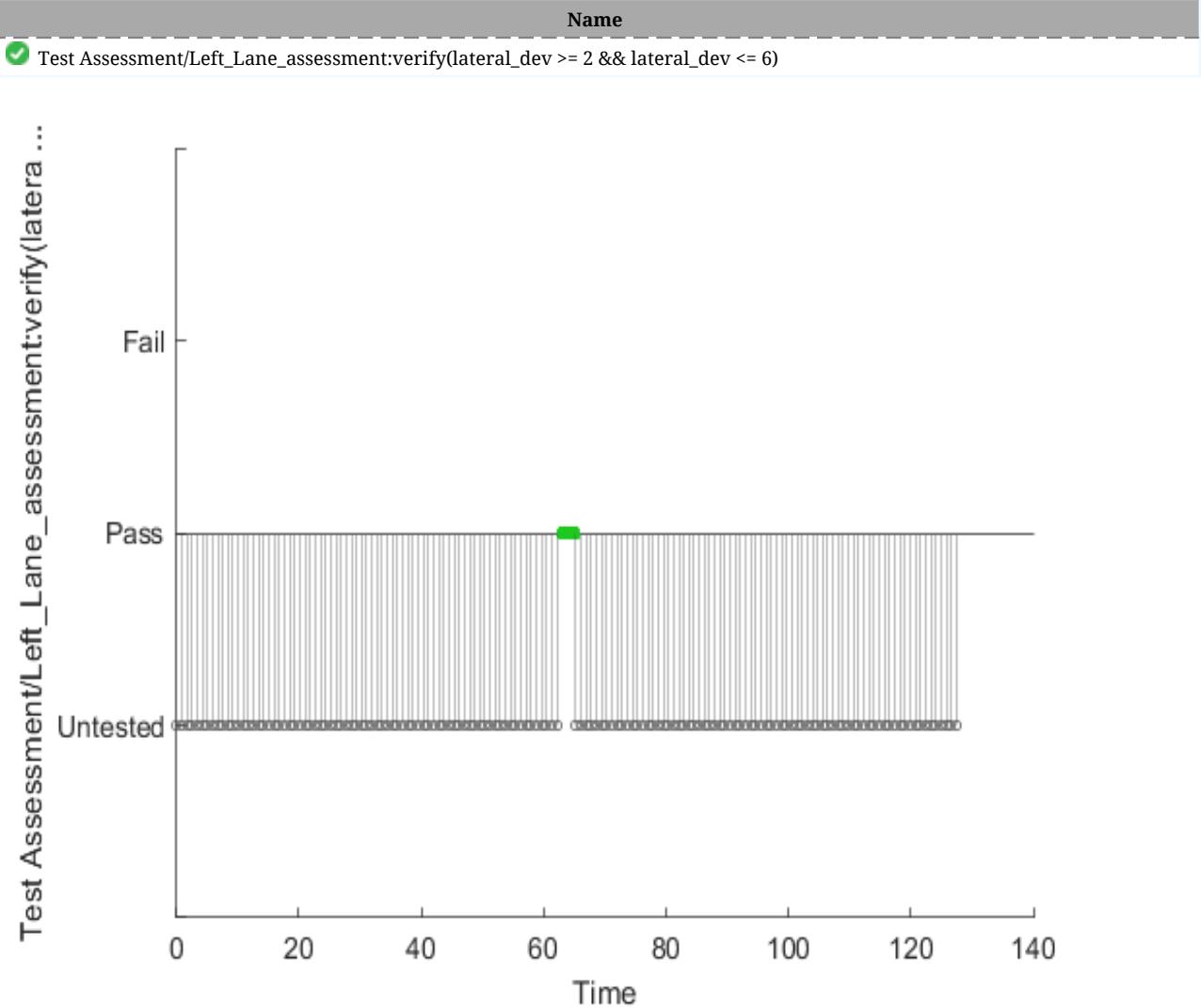
Start Time: 19-May-2021 21:50:30  
End Time: 19-May-2021 21:50:43  
Outcome: Passed

## Test Case Information

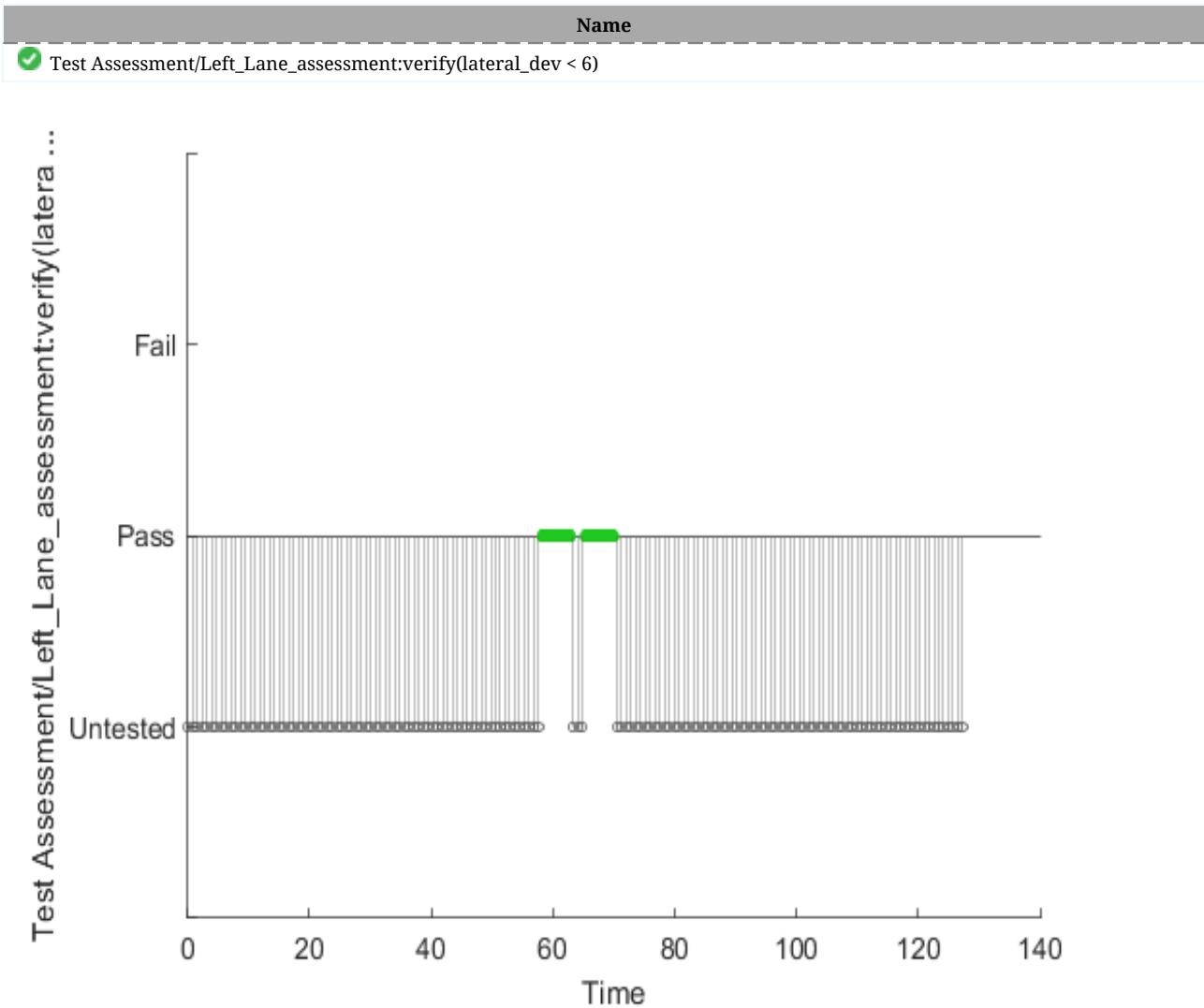
Name: 110° 30km/h  
Type: Simulation Test

## Verify Result

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



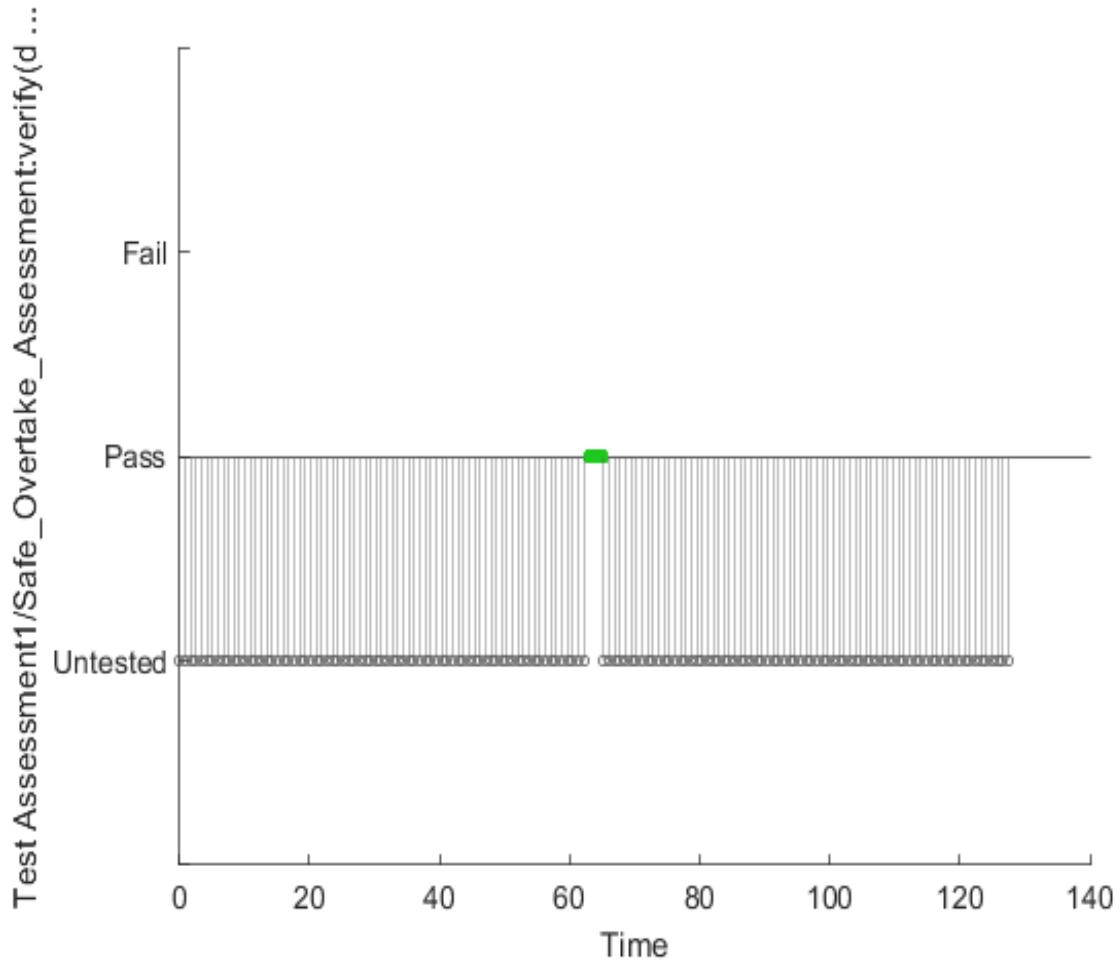
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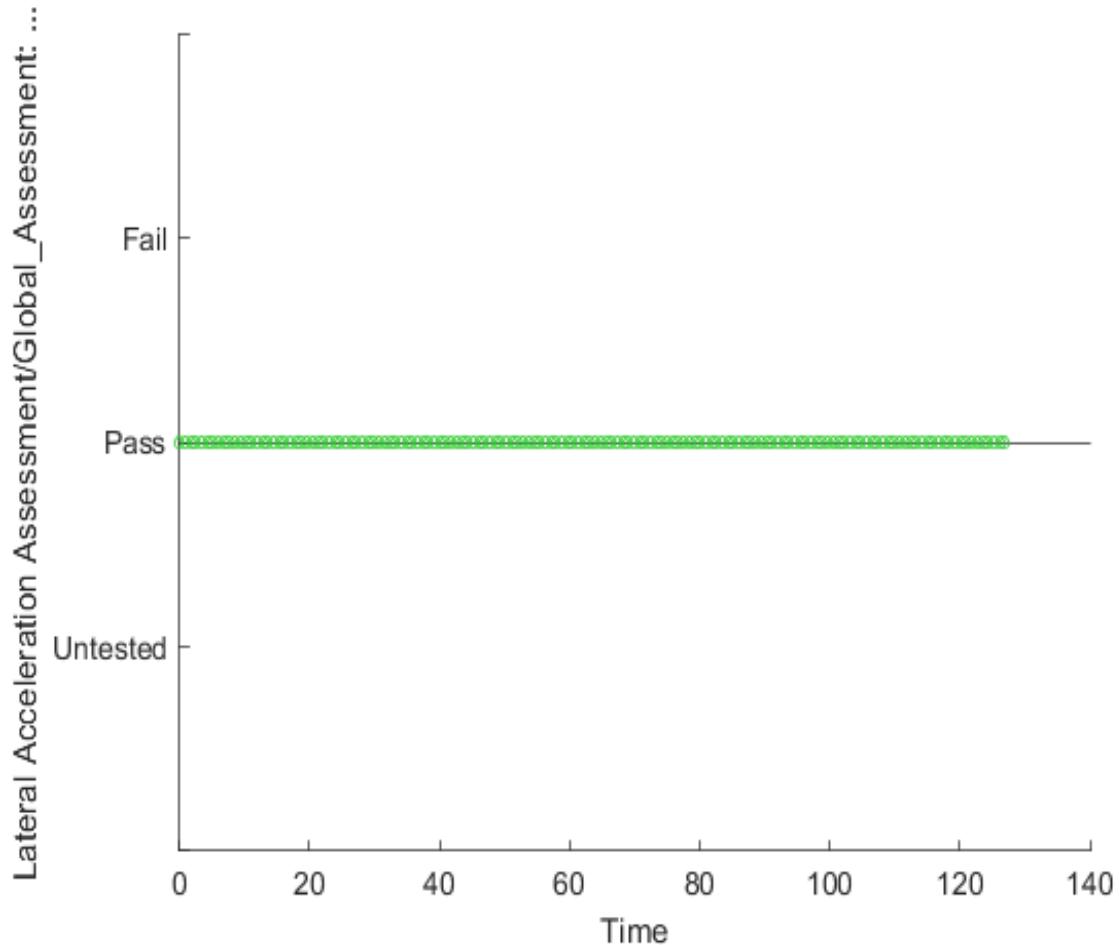
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

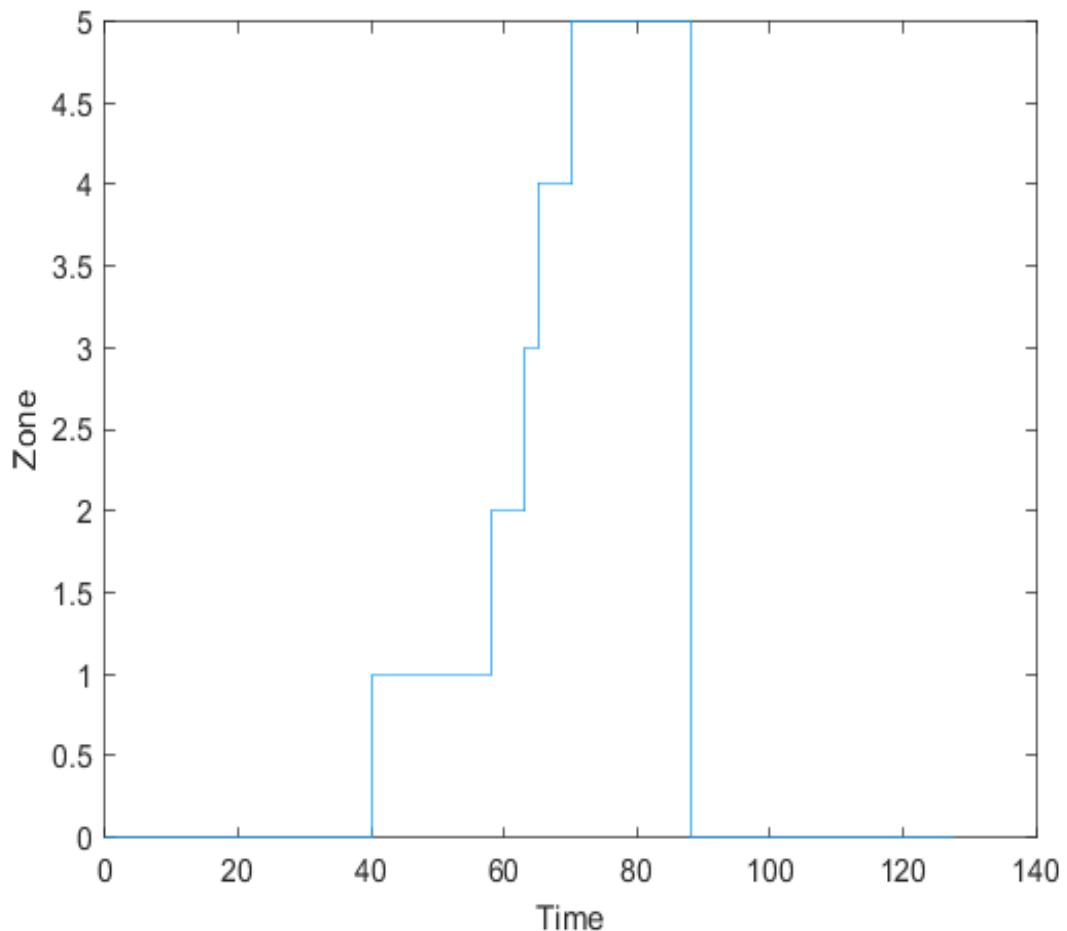
Start Time: 0  
Stop Time: 127.70255439888429  
Checksum: 683140037 1277069260 1389166635 1421240856

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

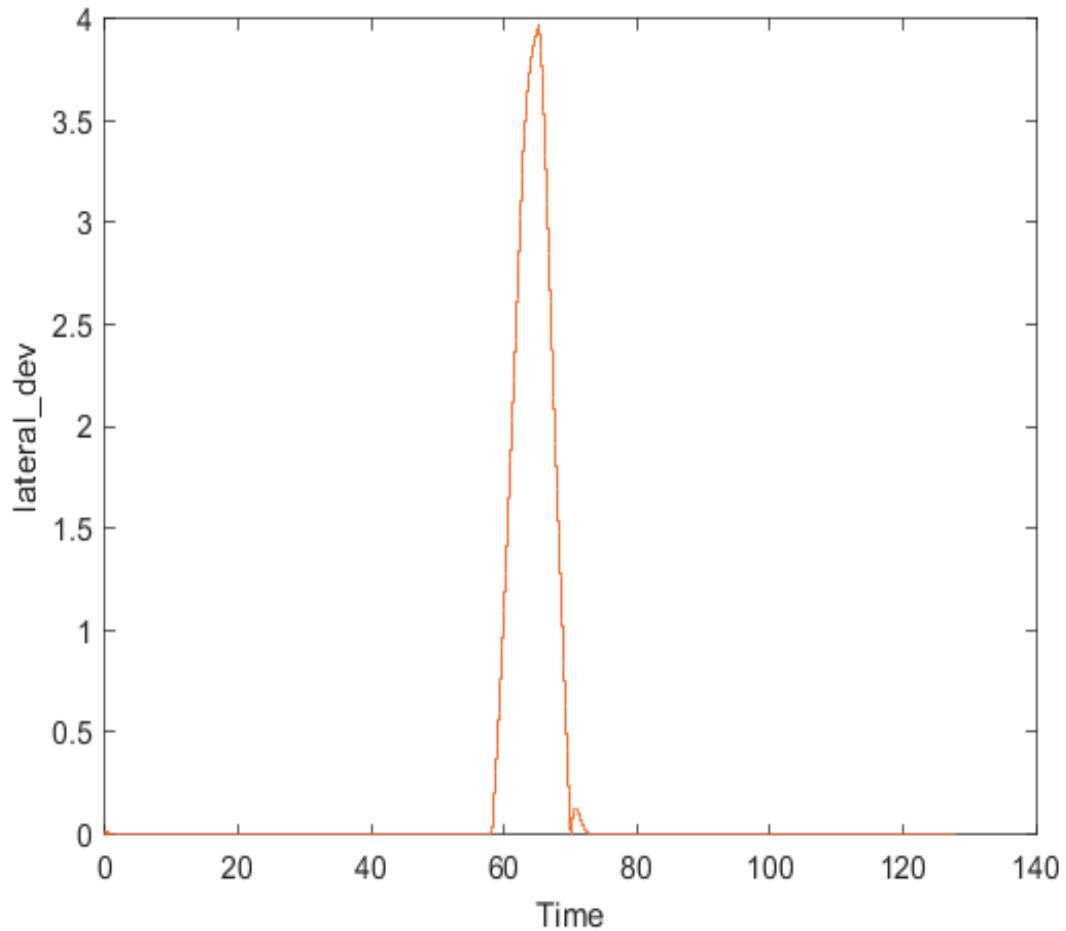
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 135° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:50:43  
End Time: 19-May-2021 21:51:01  
Outcome: Passed

## Test Case Information

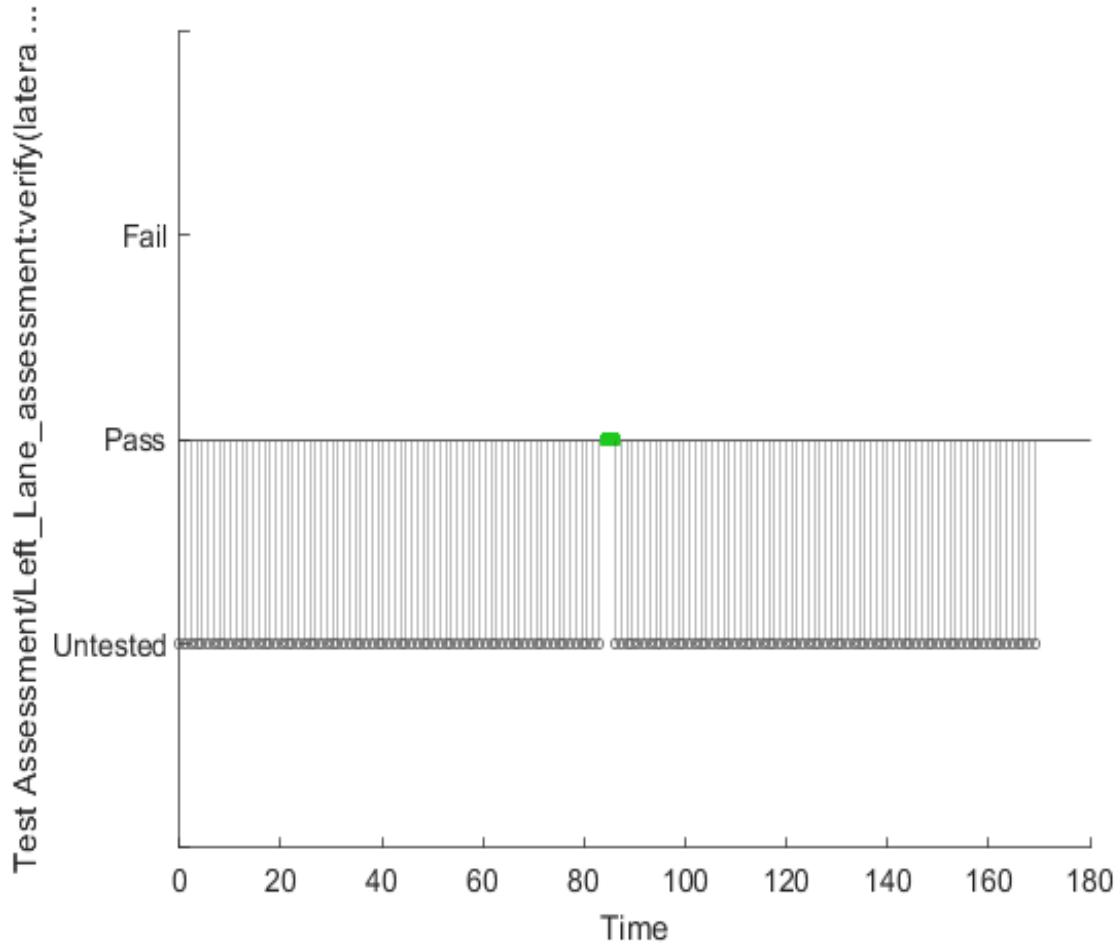
Name: 135° 30km/h  
Type: Simulation Test

## Verify Result

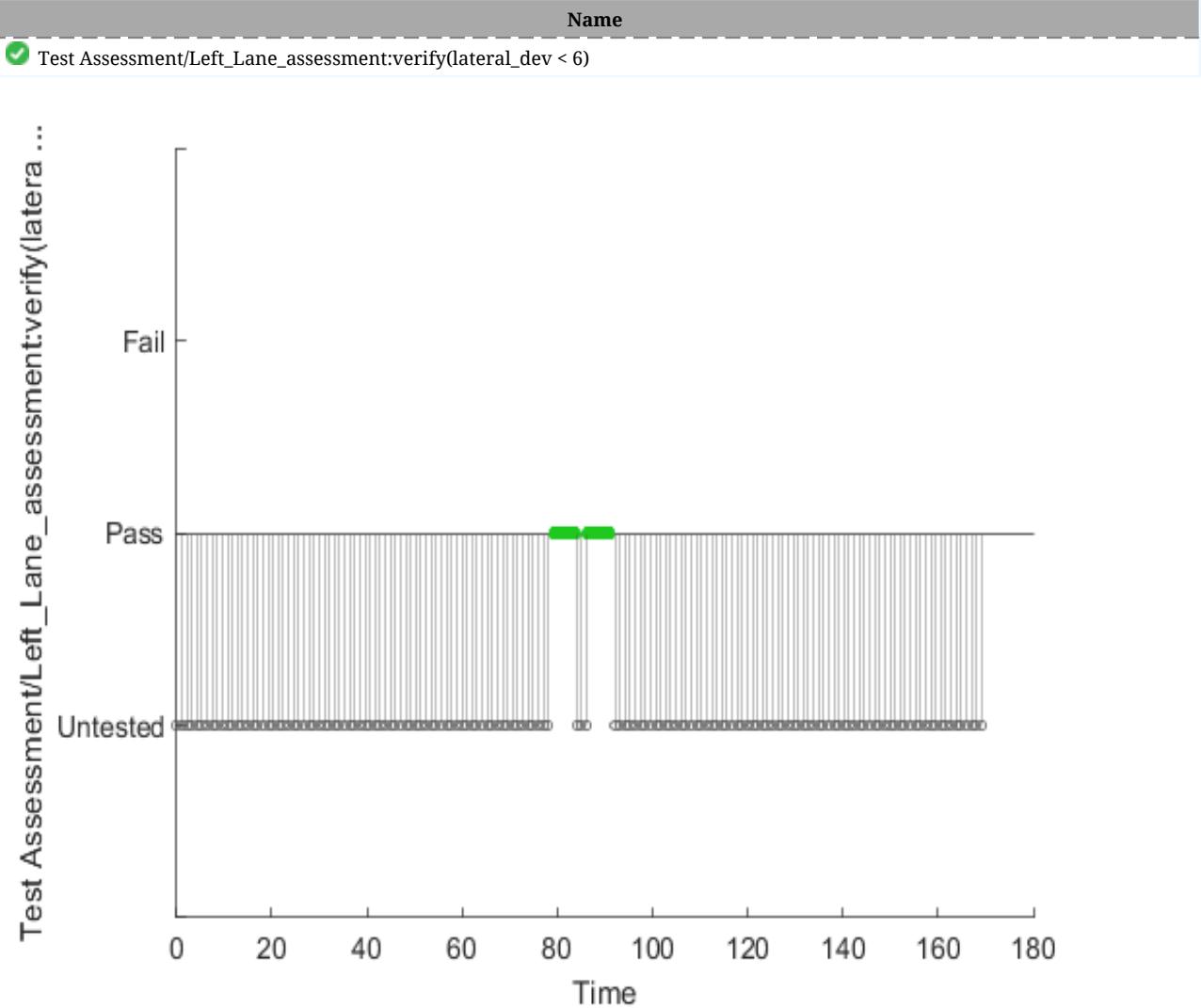
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



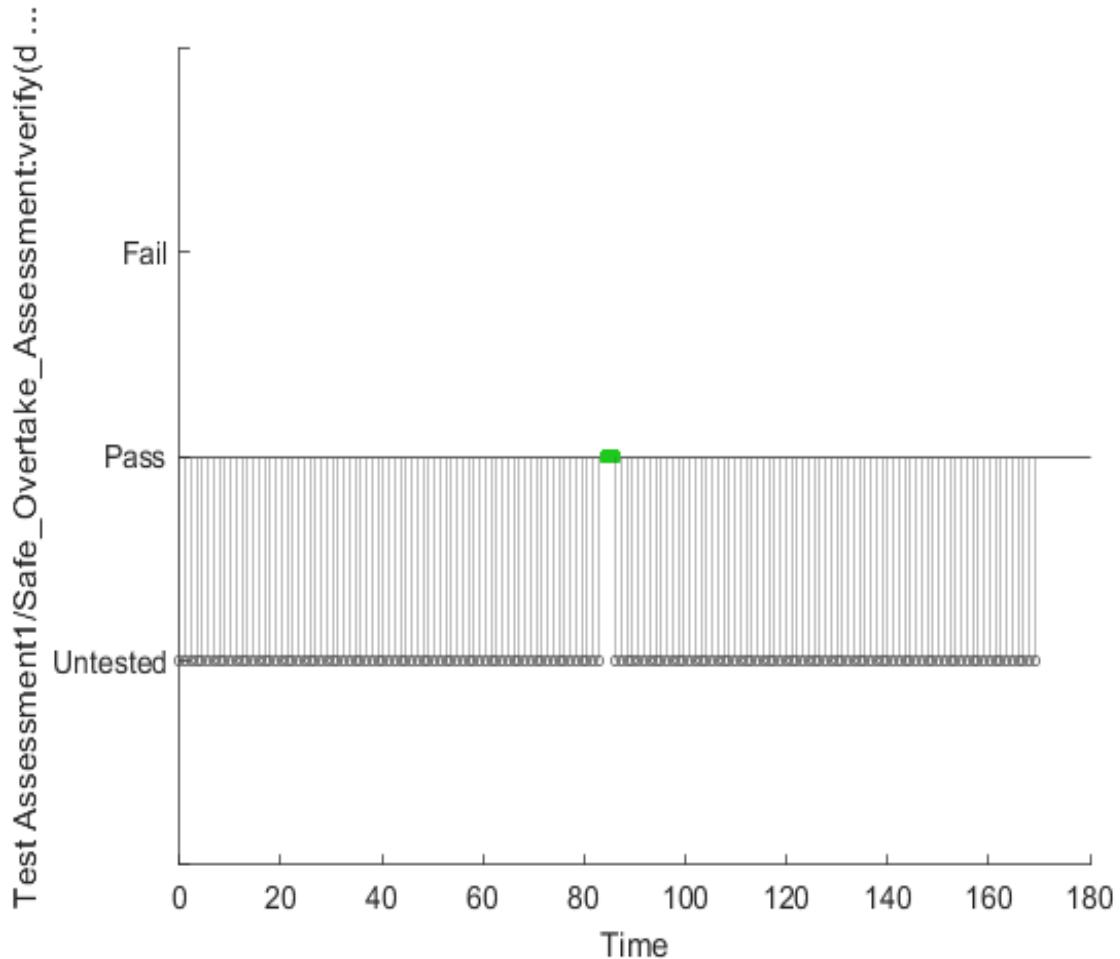
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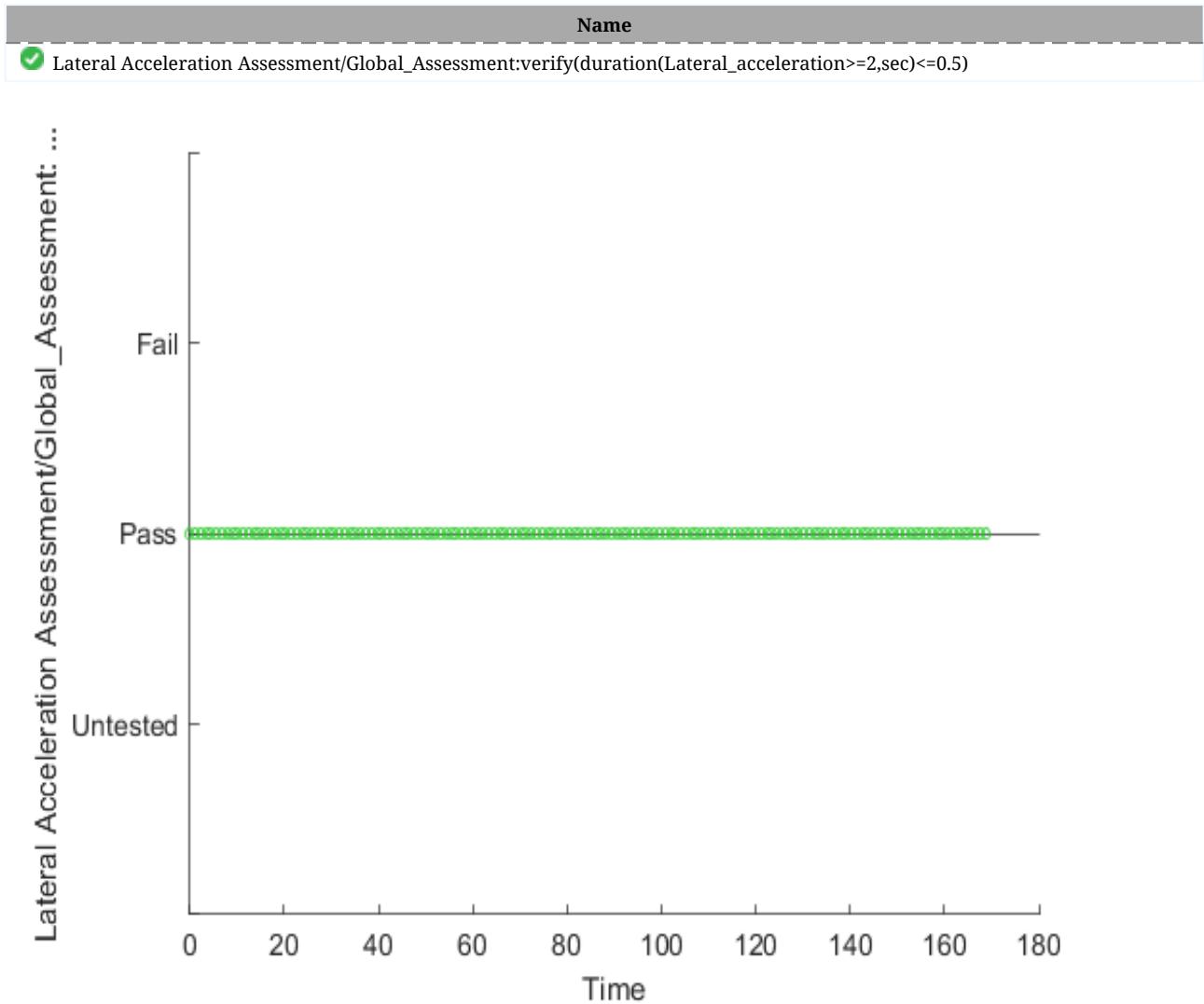
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

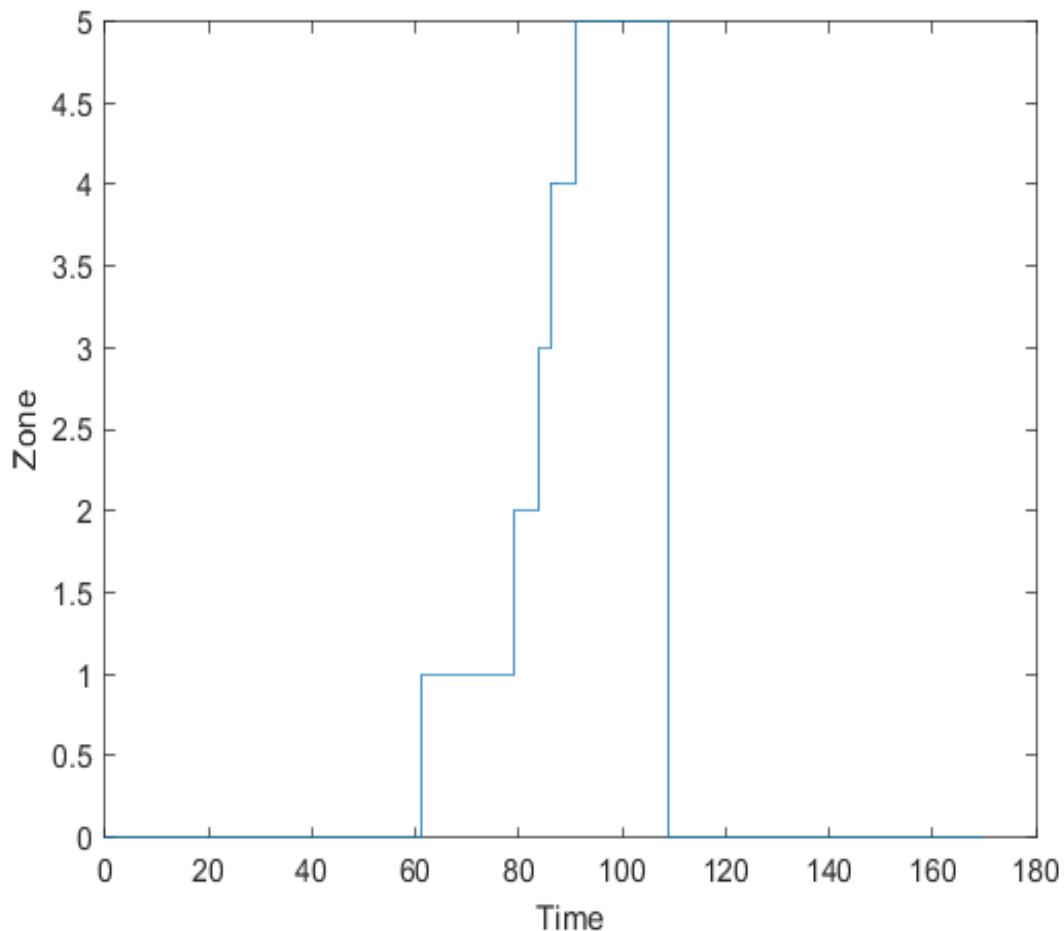
Start Time: 0  
Stop Time: 169.70562748477141  
Checksum: 3637510351 376823517 3882411658 459587679

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

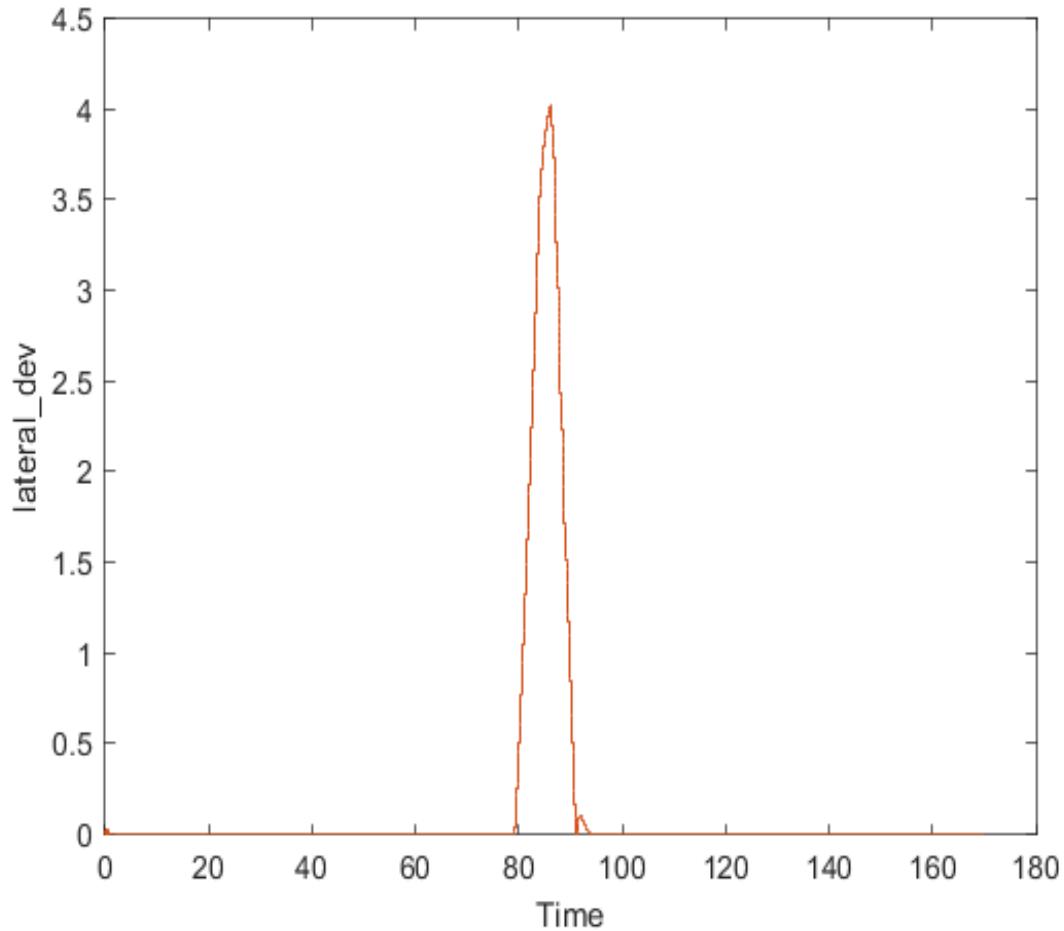
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 160° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:51:01  
End Time: 19-May-2021 21:51:47  
Outcome: Passed

## Test Case Information

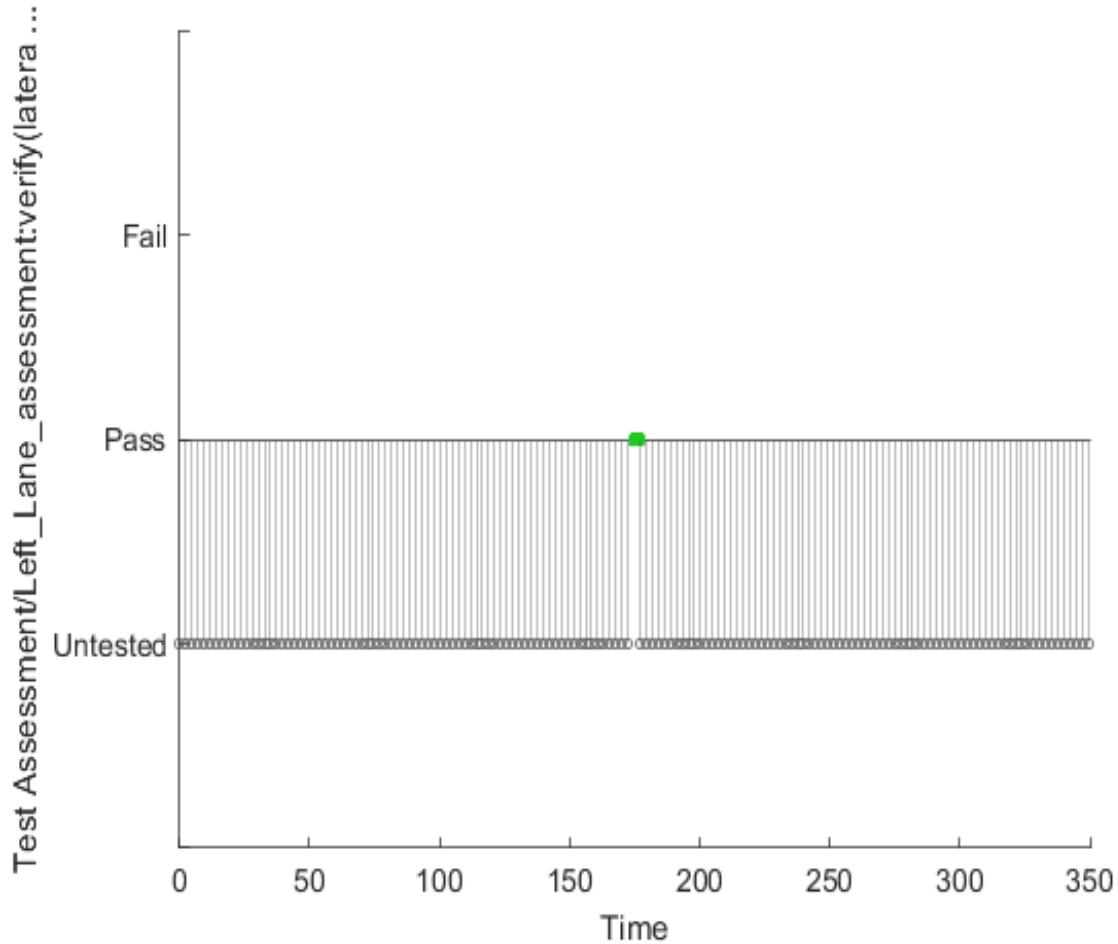
Name: 160° 30km/h  
Type: Simulation Test

## Verify Result

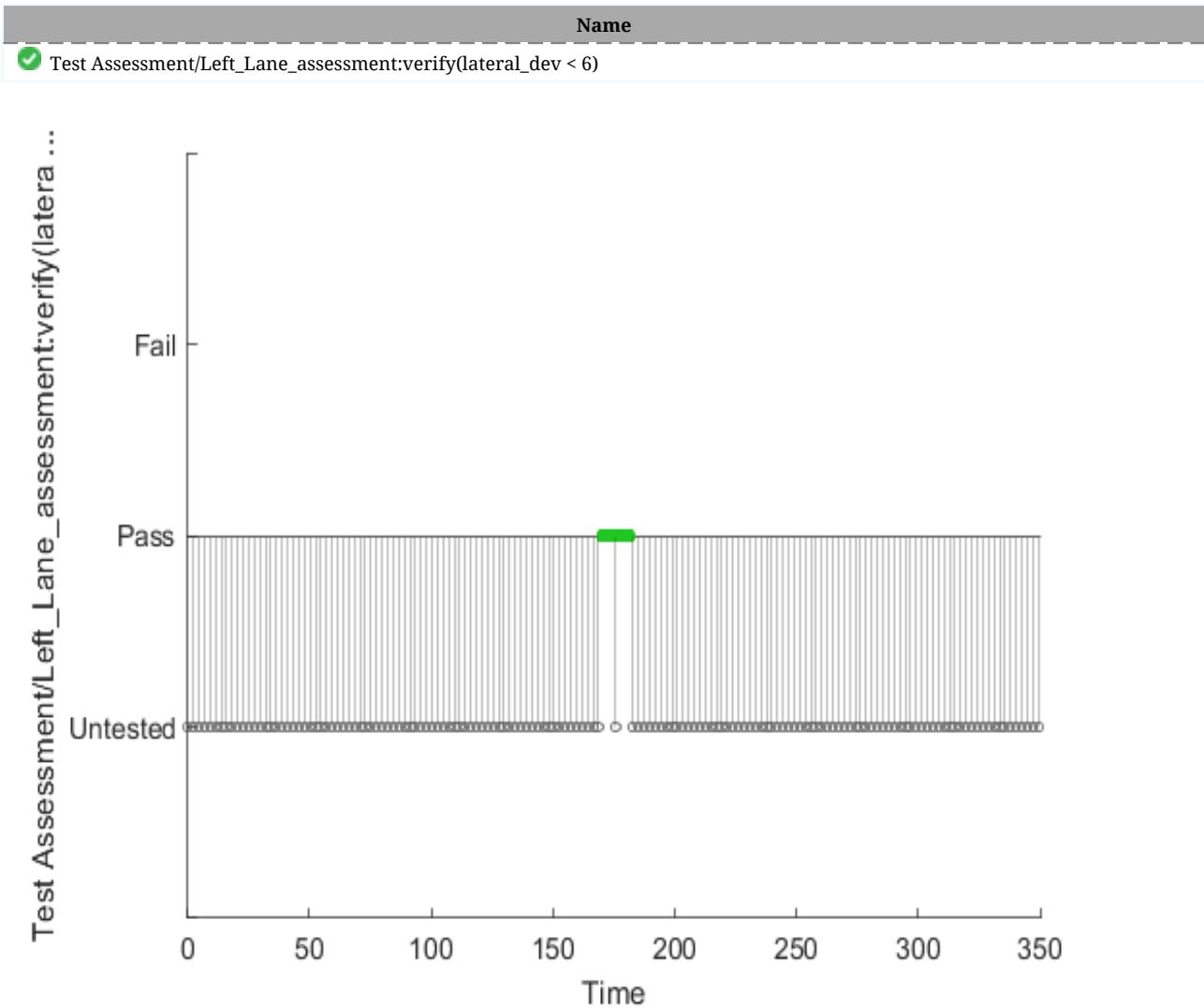
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

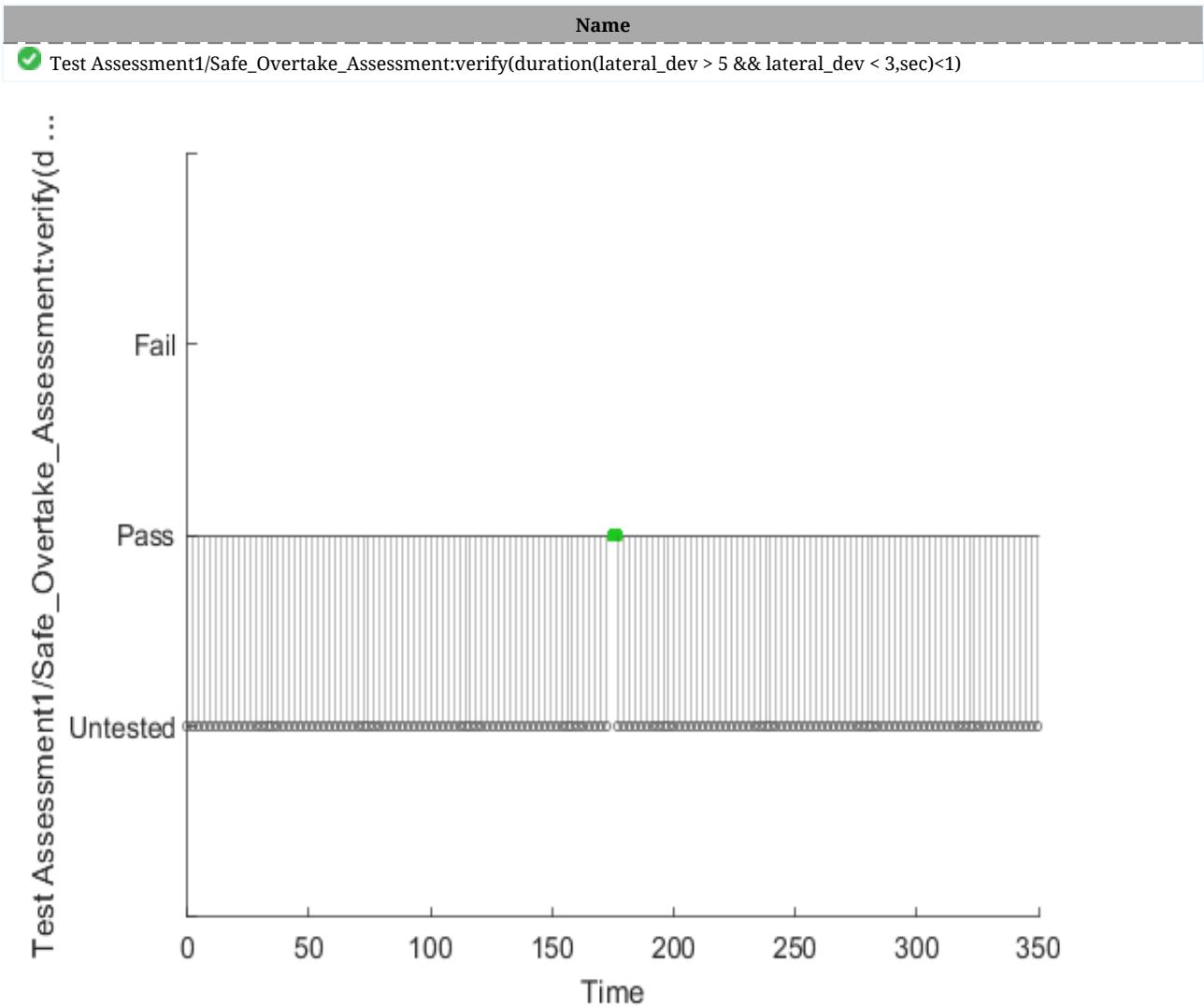
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



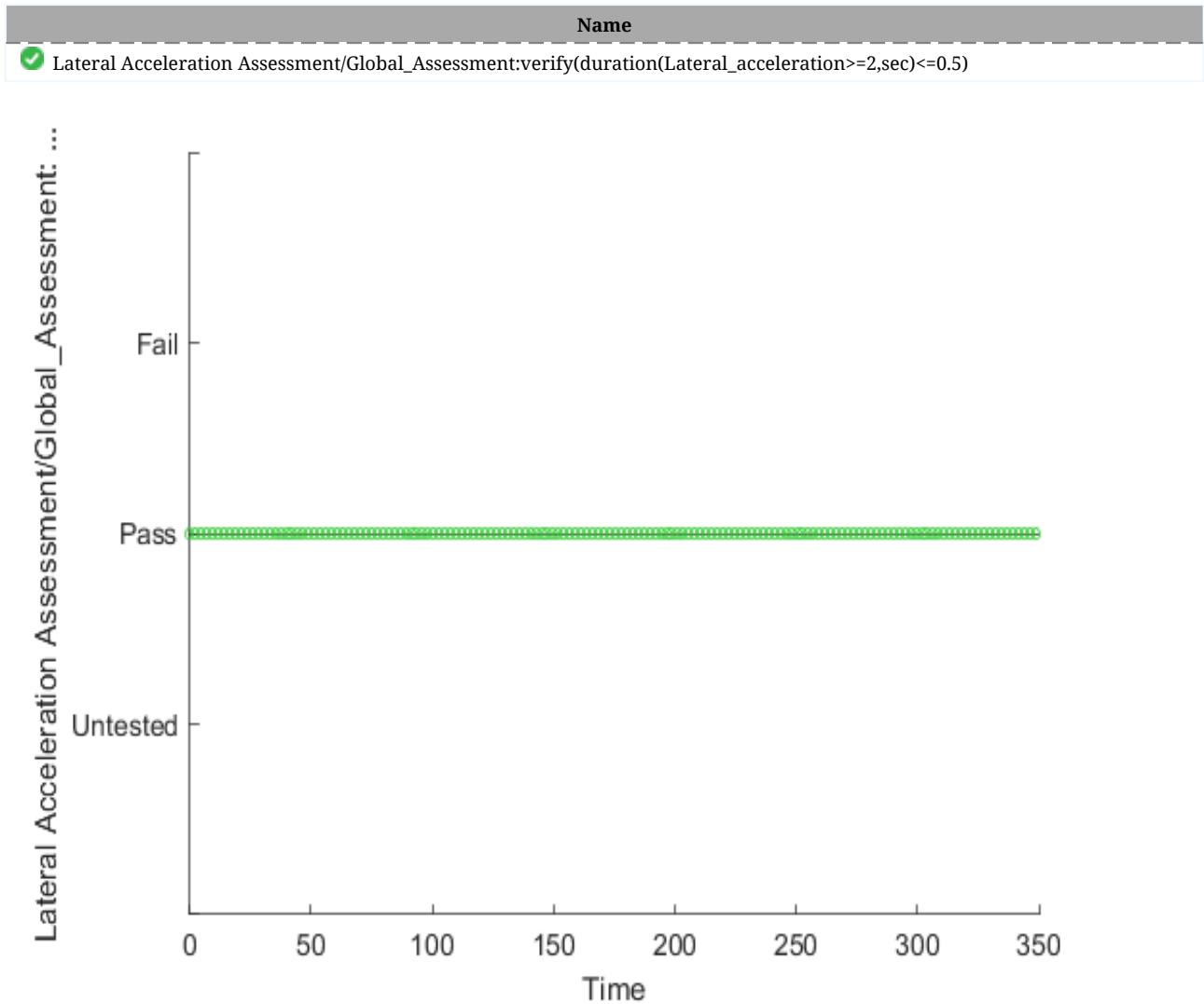
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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

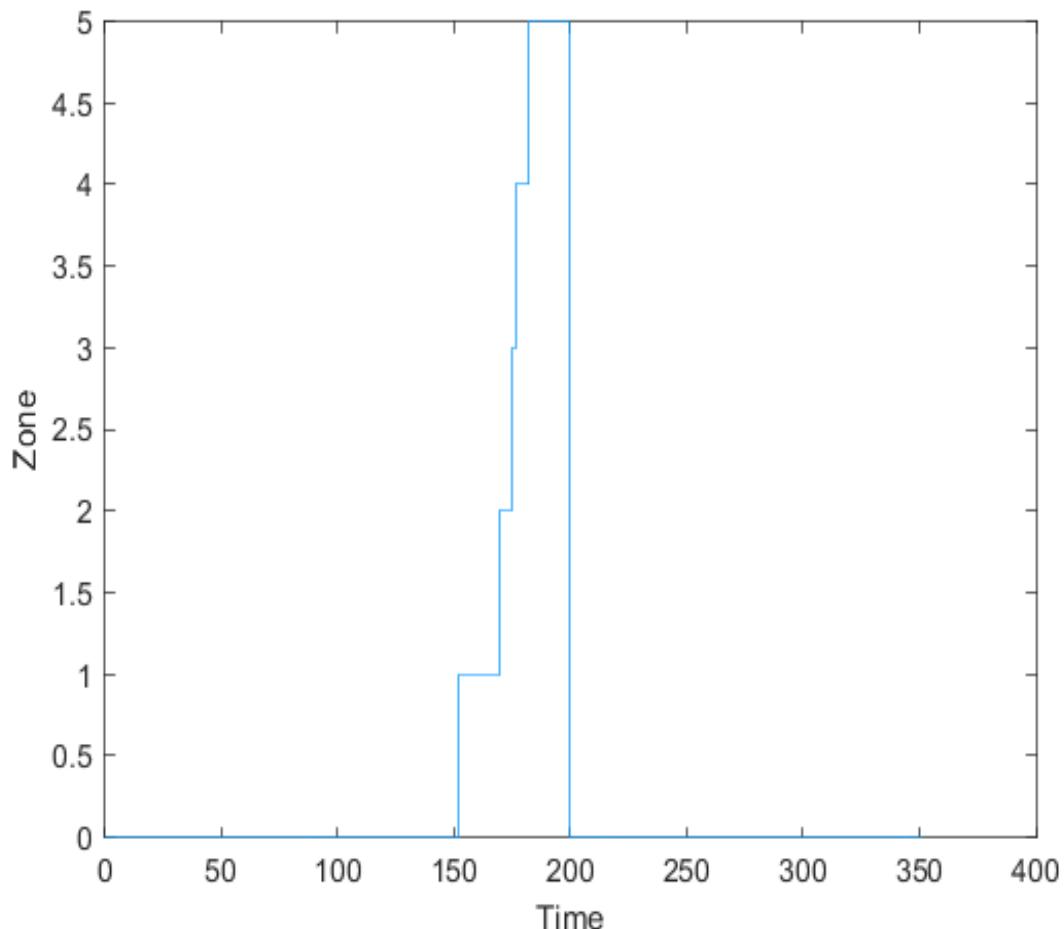
Start Time: 0  
Stop Time: 350.80269326218121  
Checksum: 452172243 3280721110 1263425972 1203986333

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

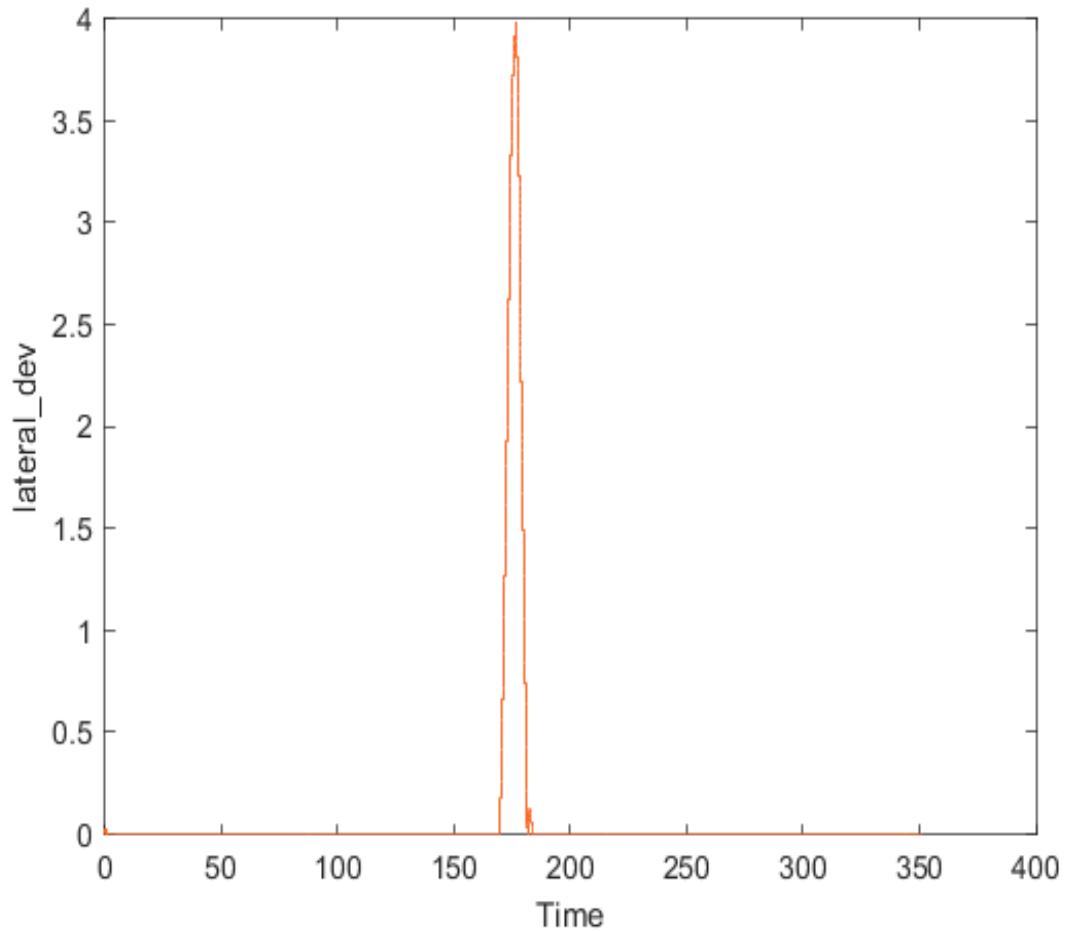
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 180° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:51:47  
End Time: 19-May-2021 21:51:59  
Outcome: Passed

## Test Case Information

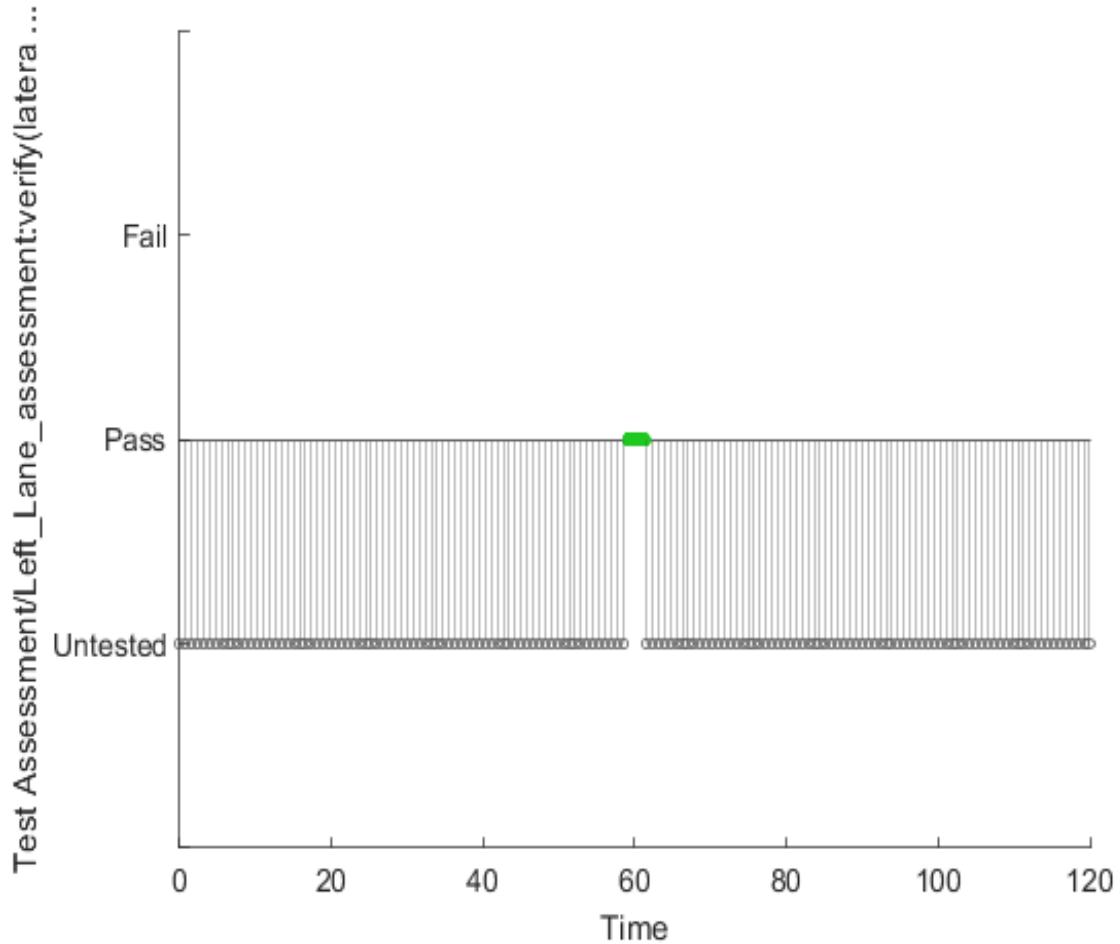
Name: 180° 30km/h  
Type: Simulation Test

## Verify Result

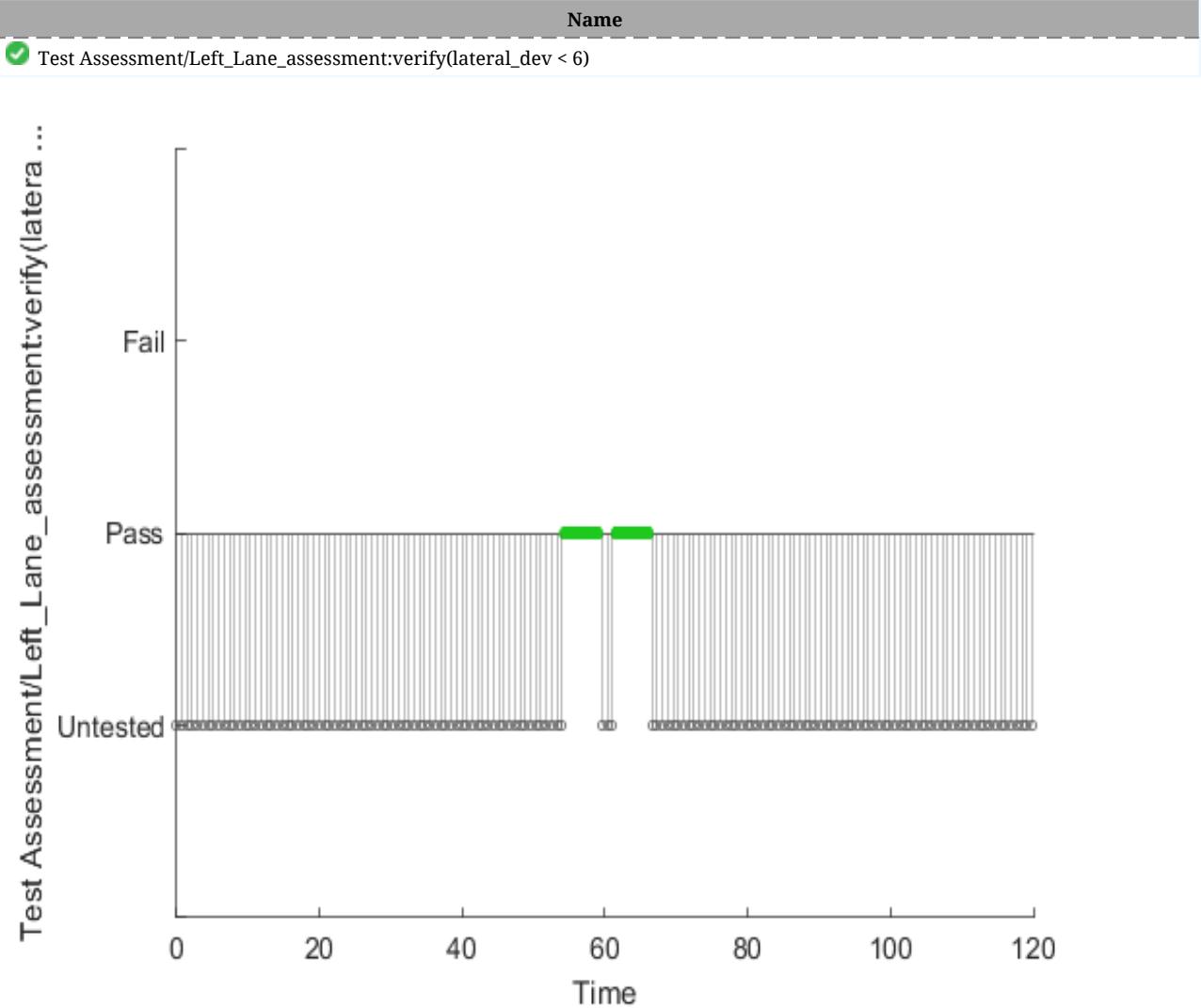
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



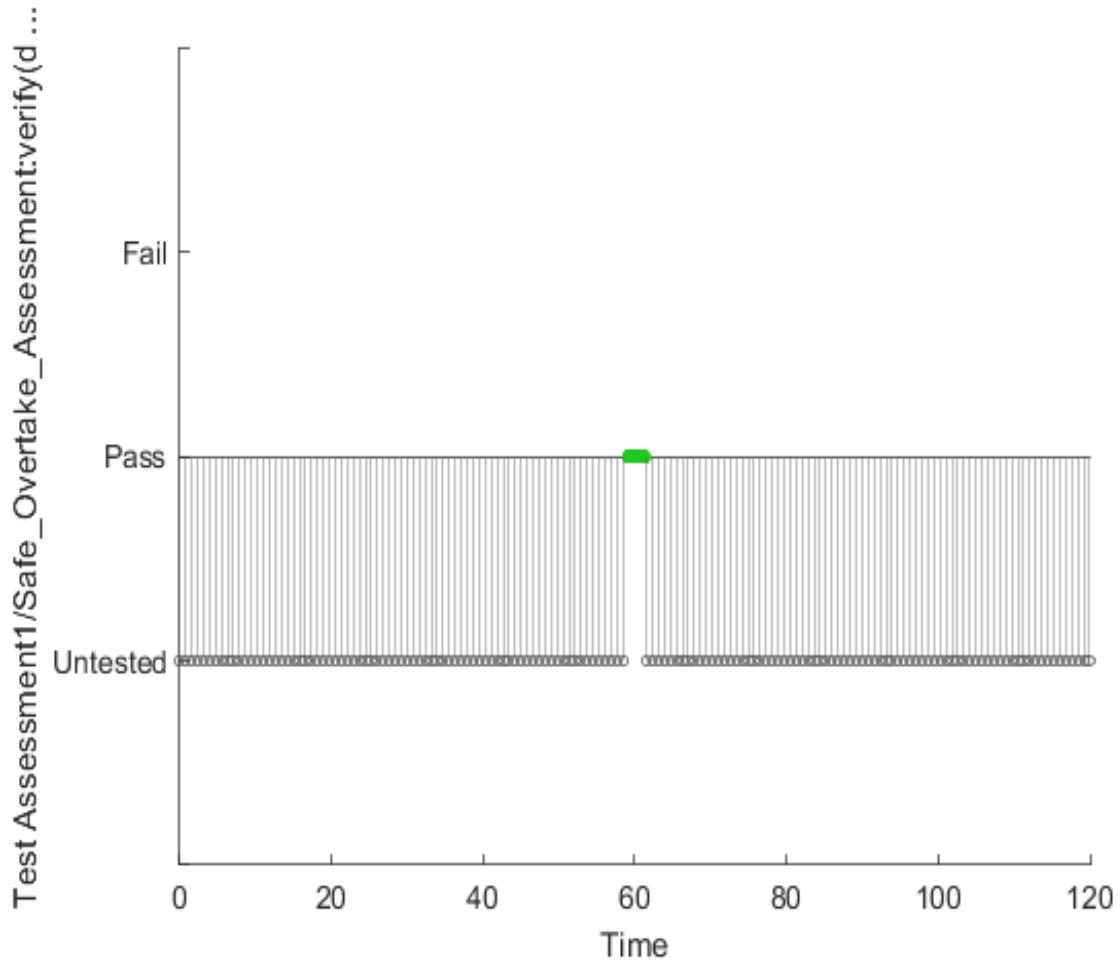
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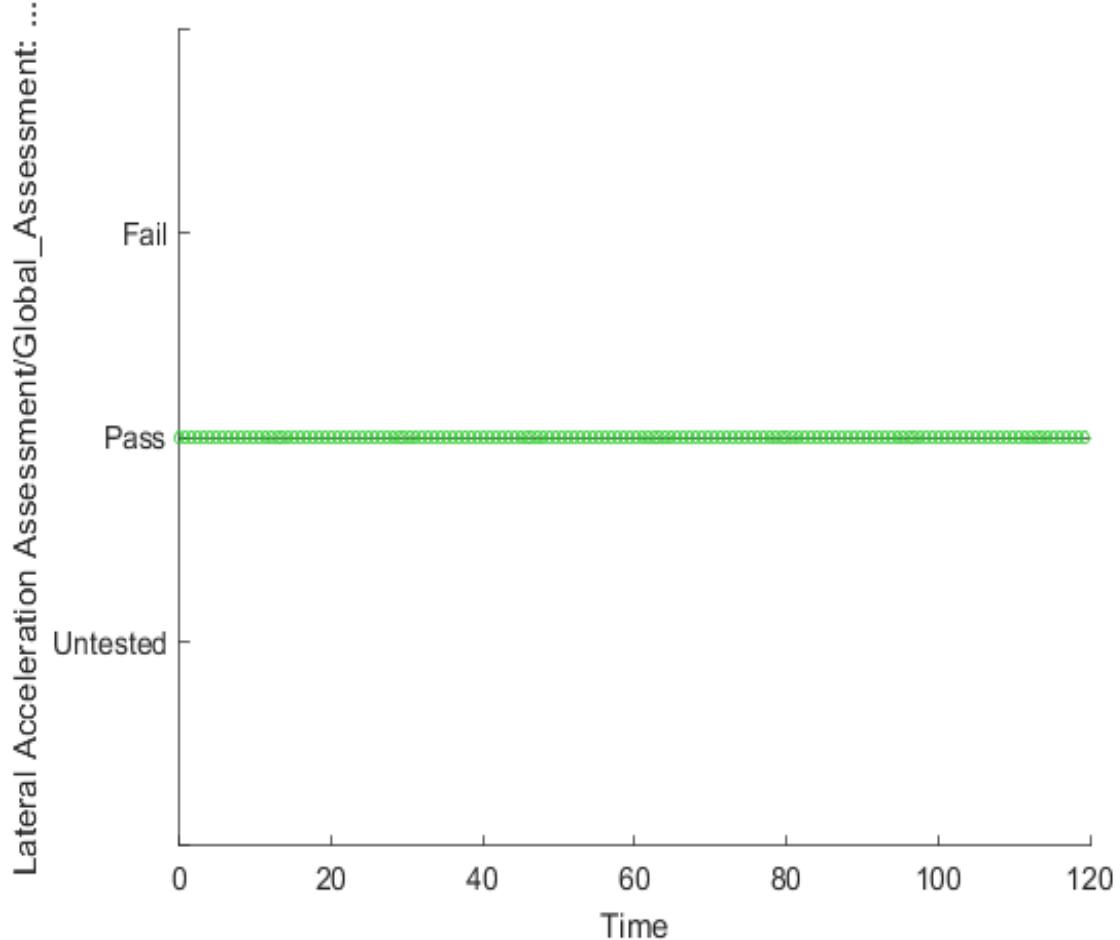
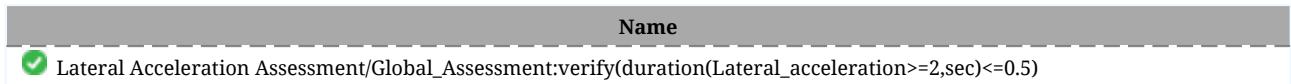
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

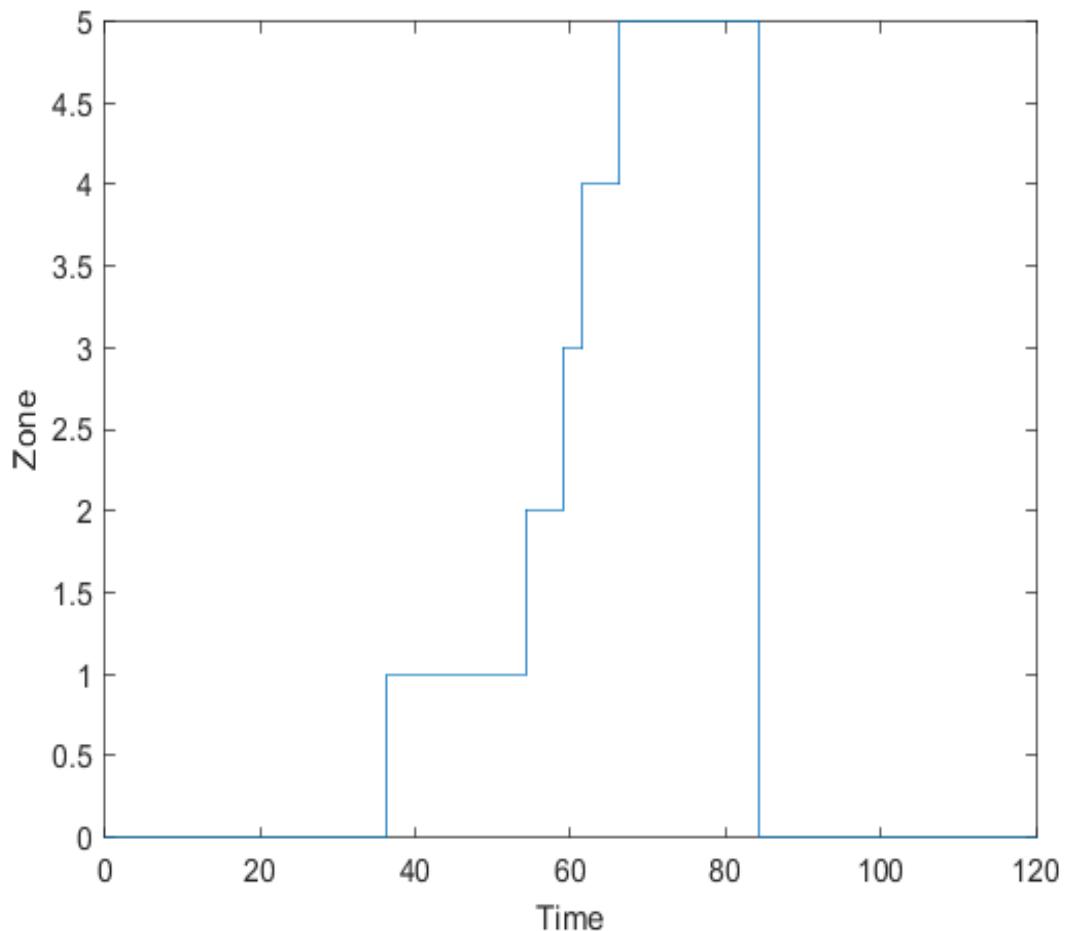
Start Time: 0  
Stop Time: 119.9999999999999  
Checksum: 2041890581 3909965806 2103483158 113047456

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

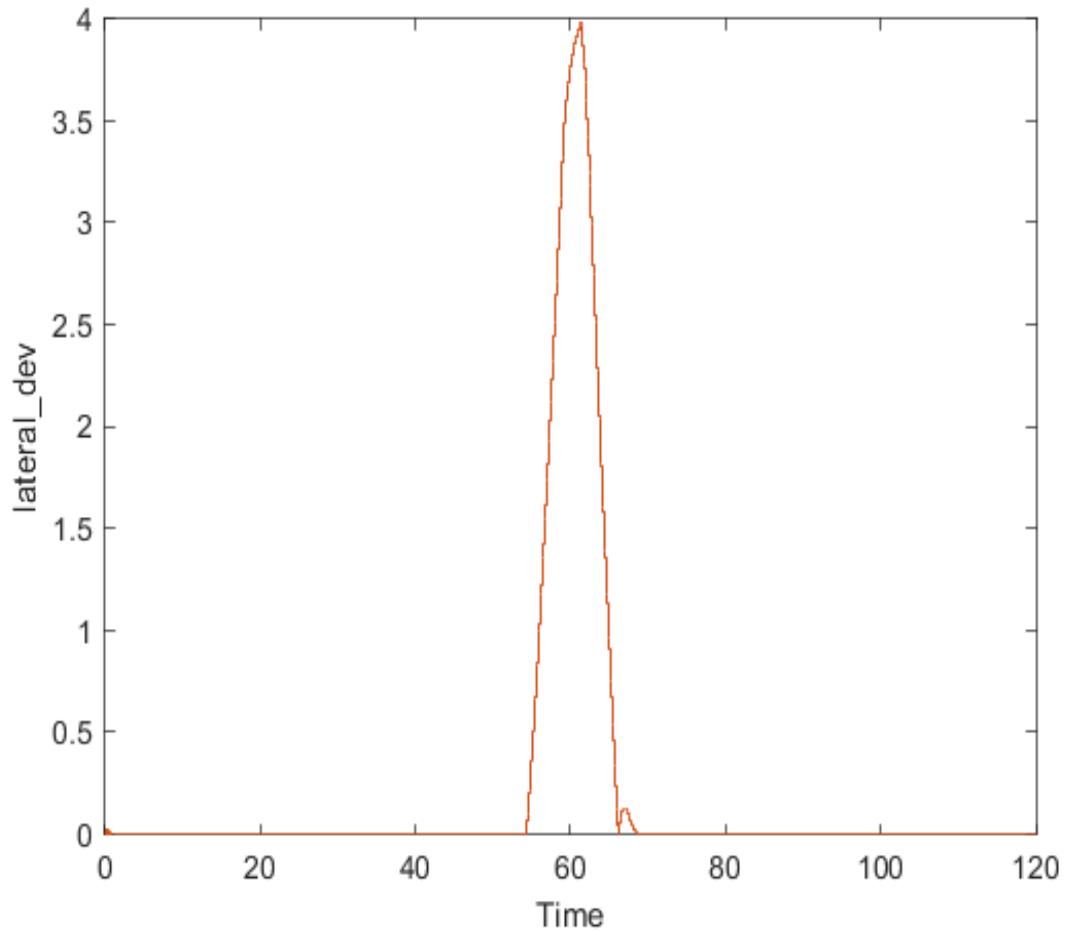
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -20° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

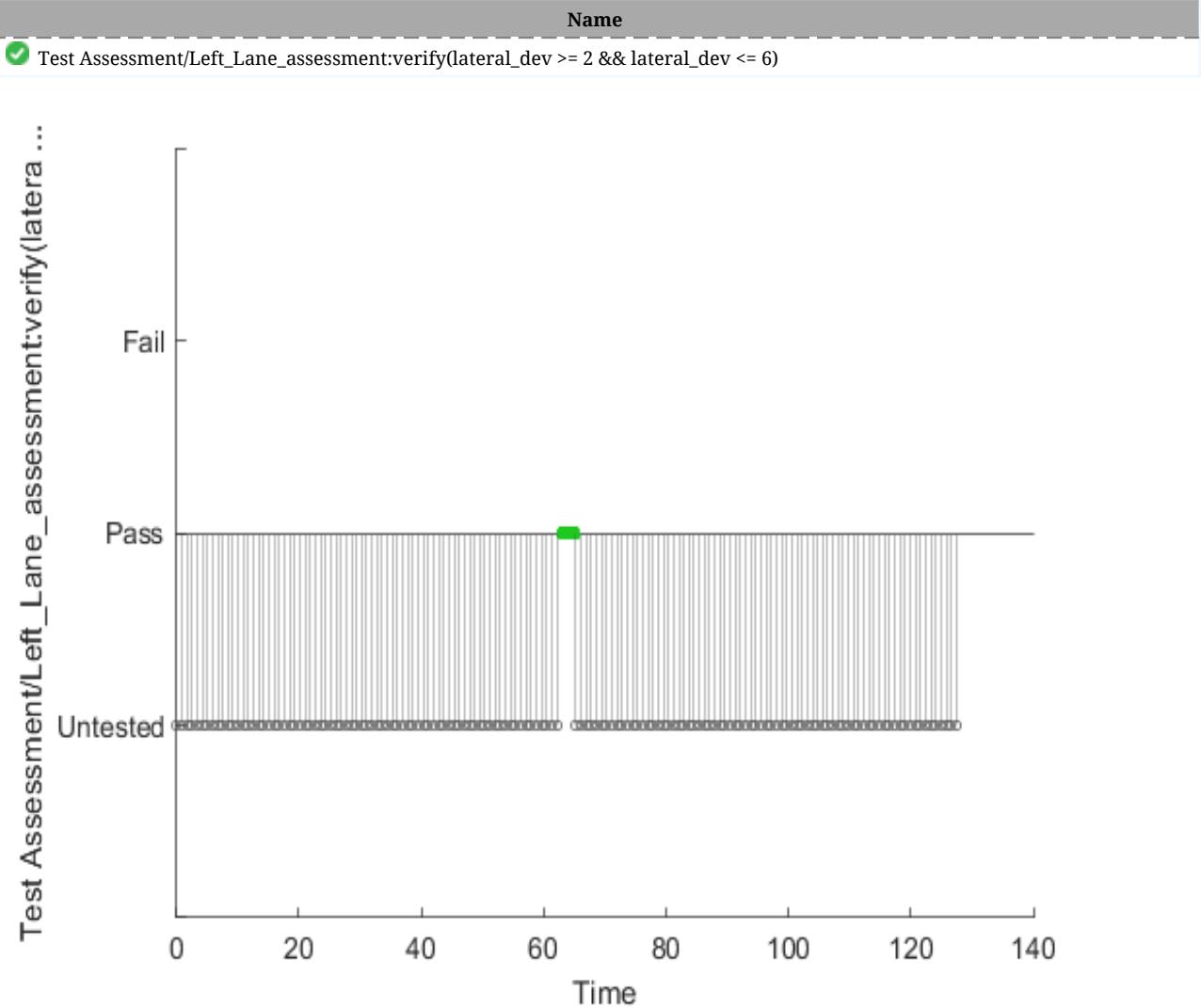
Start Time: 19-May-2021 21:51:59  
End Time: 19-May-2021 21:52:13  
Outcome: Passed

## Test Case Information

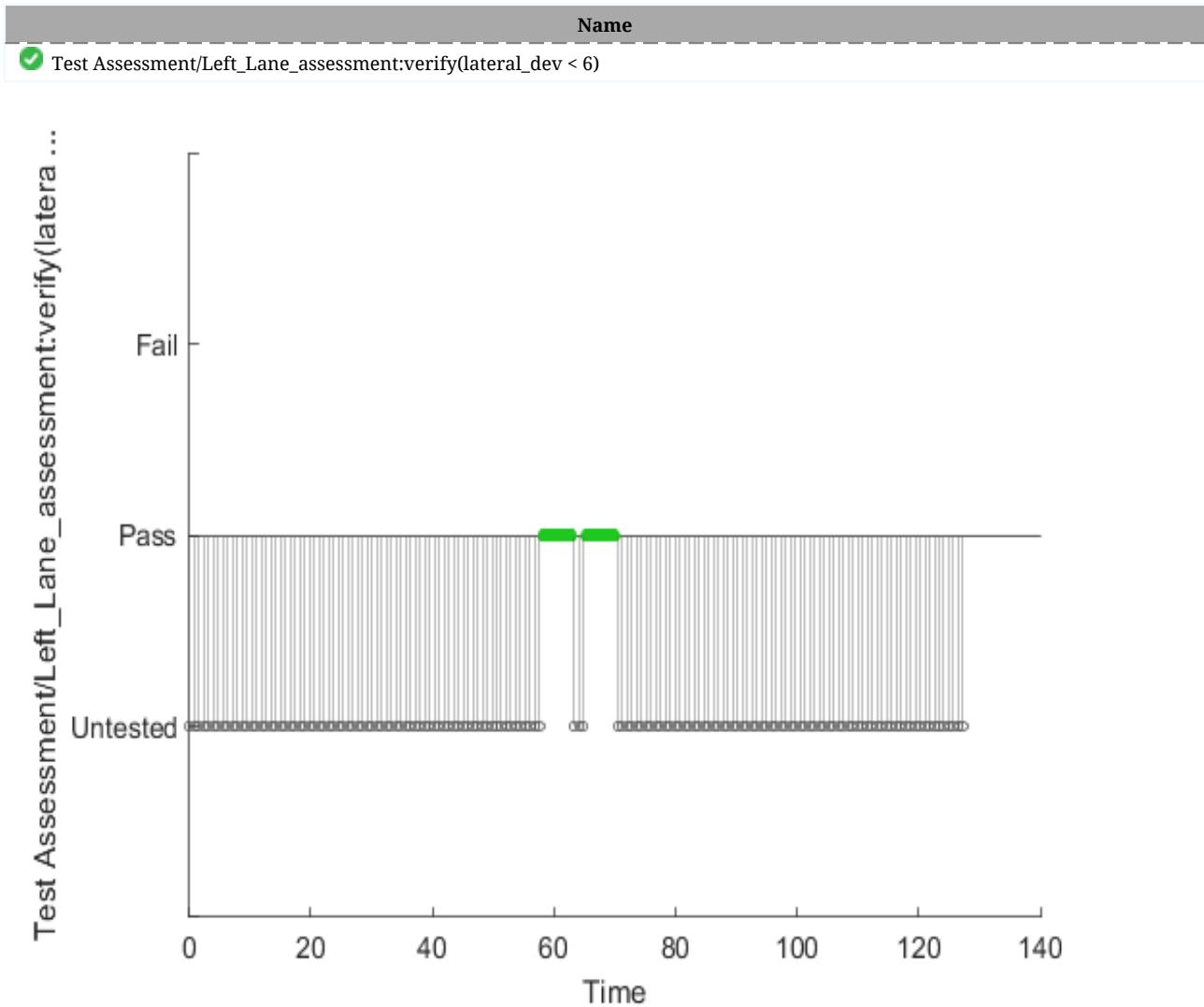
Name: -20° 30km/h  
Type: Simulation Test

## Verify Result

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



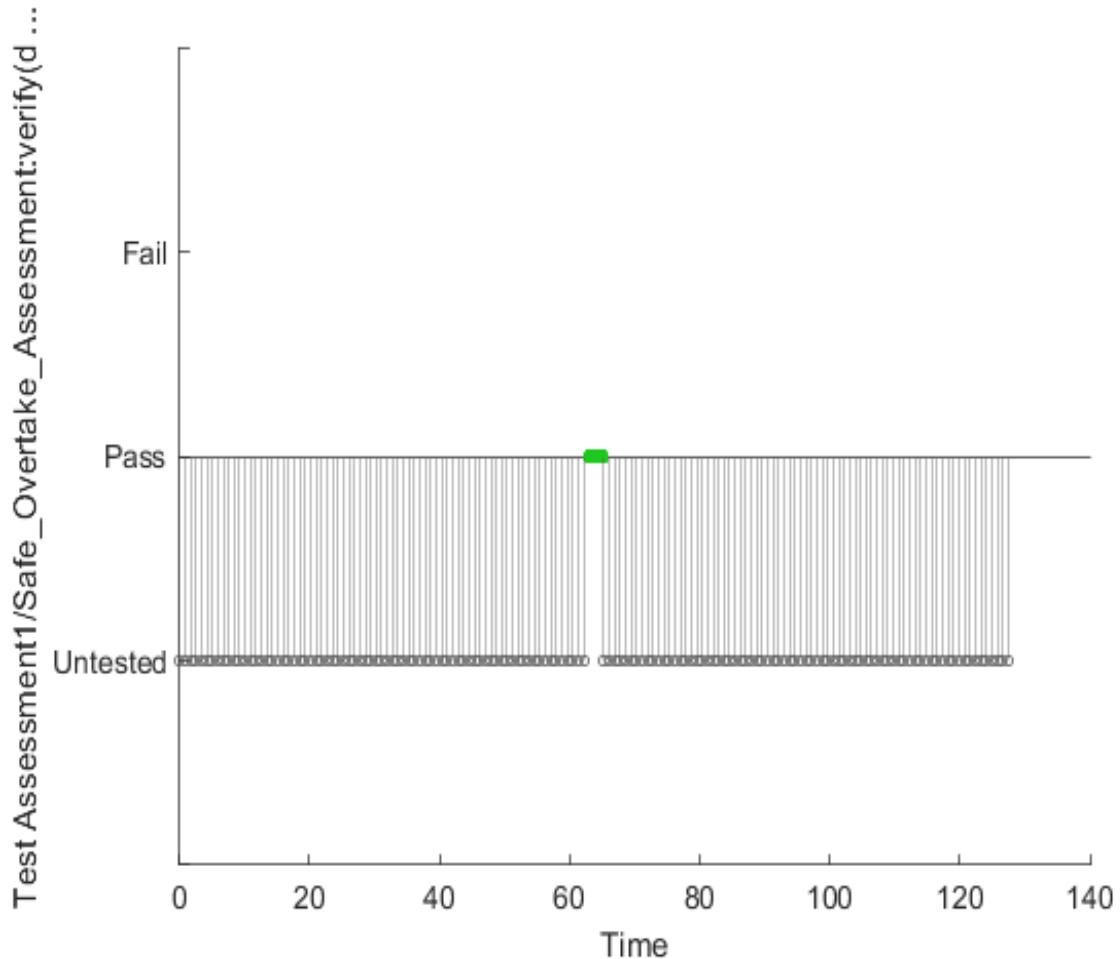
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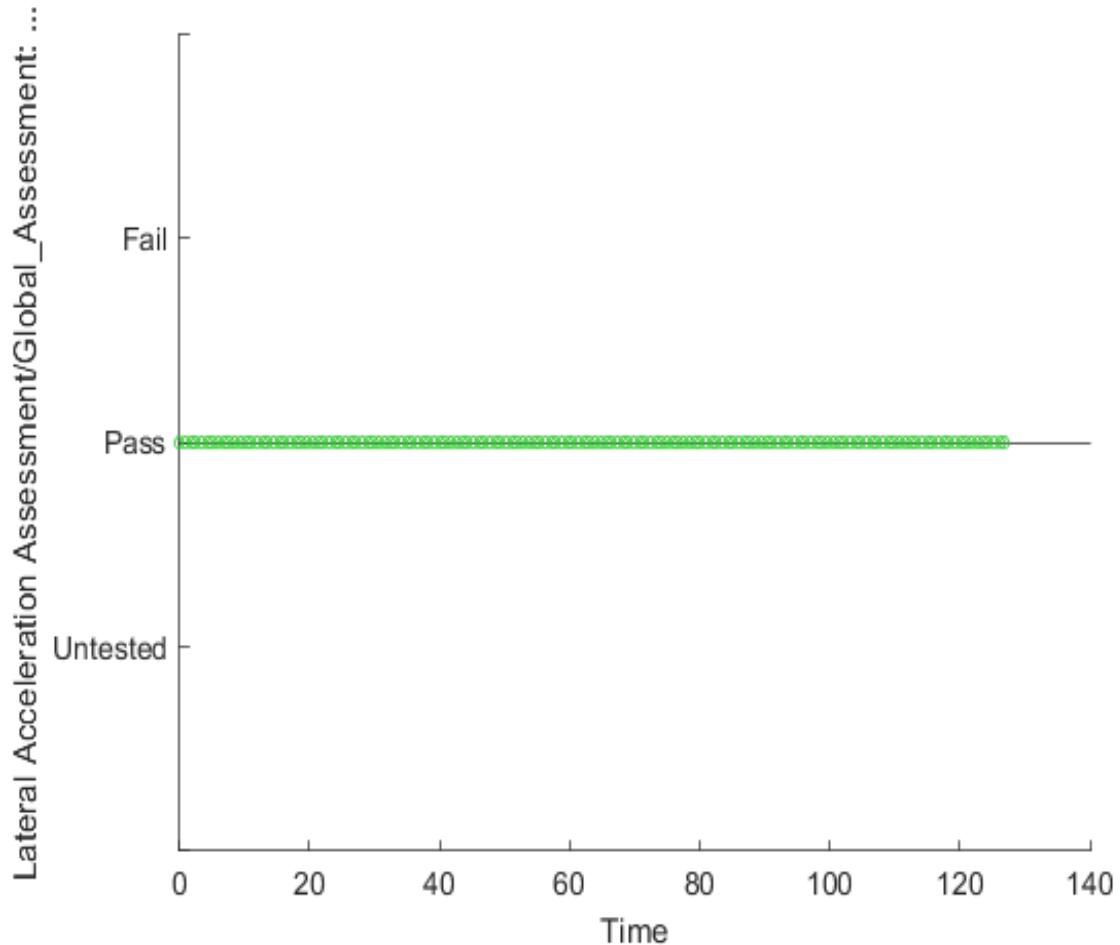
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

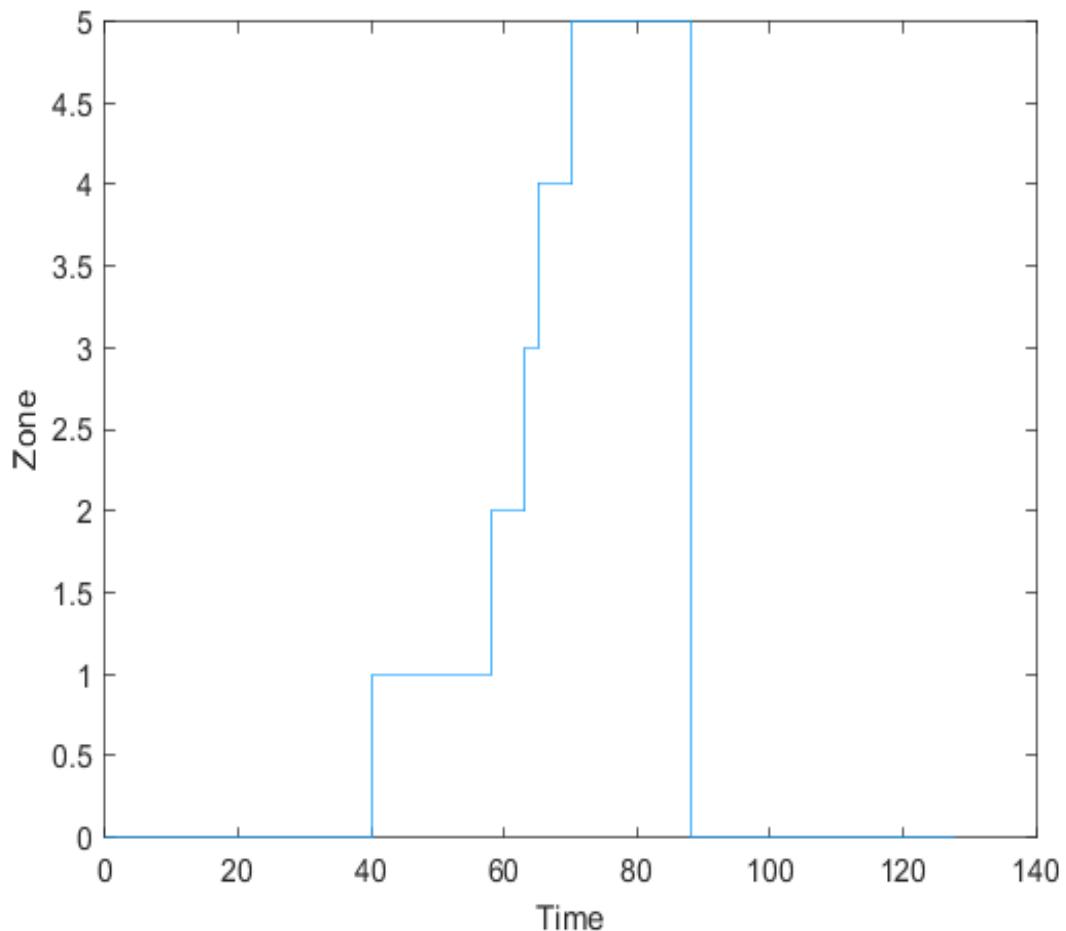
Start Time: 0  
Stop Time: 127.70255439888429  
Checksum: 683140037 1277069260 1389166635 1421240856

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

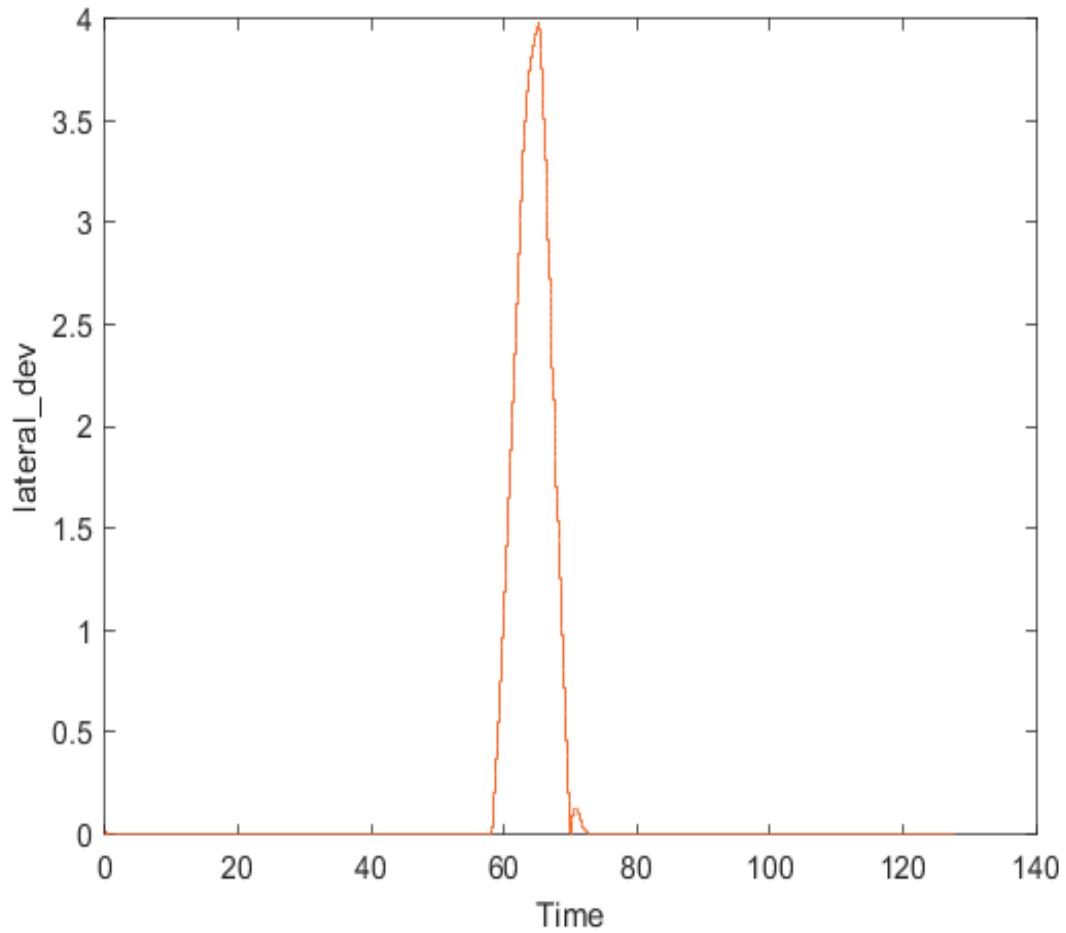
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -45° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:52:13  
End Time: 19-May-2021 21:52:31  
Outcome: Passed

## Test Case Information

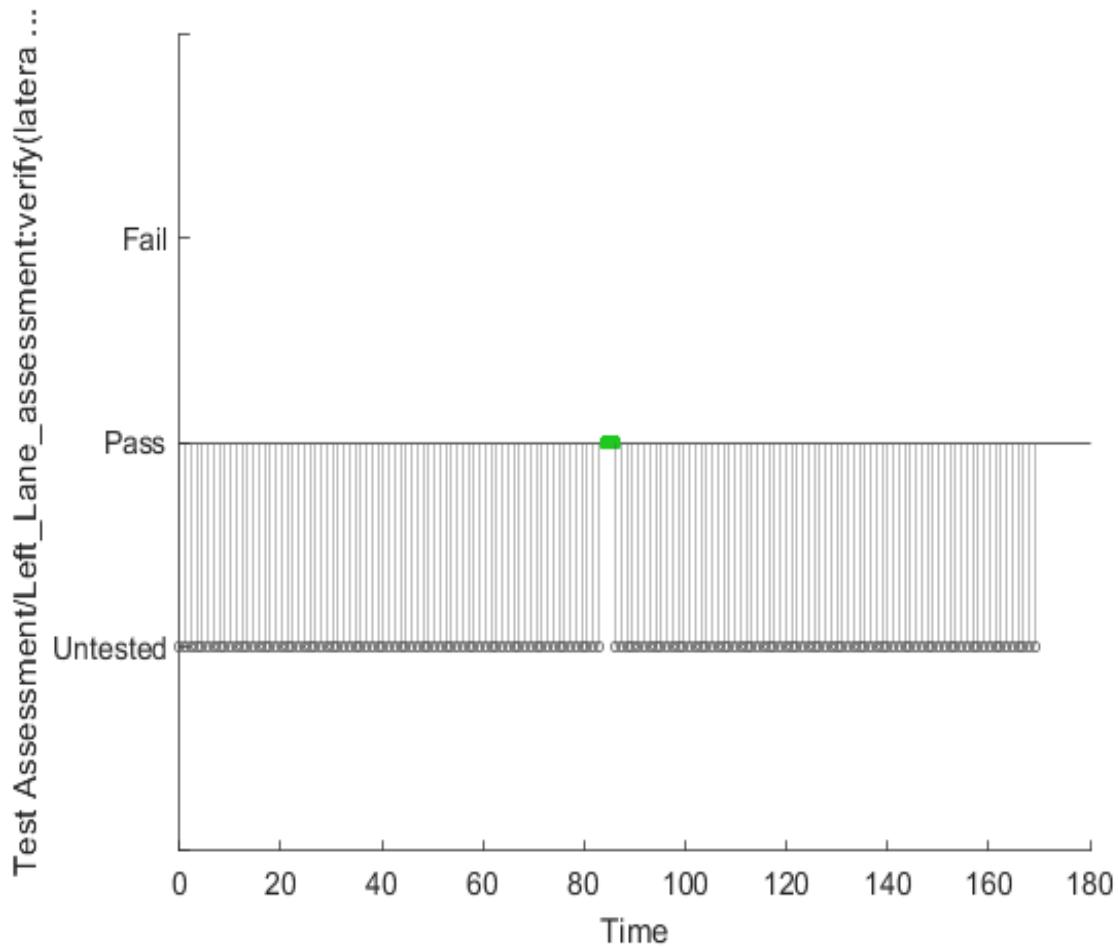
Name: -45° 30km/h  
Type: Simulation Test

## Verify Result

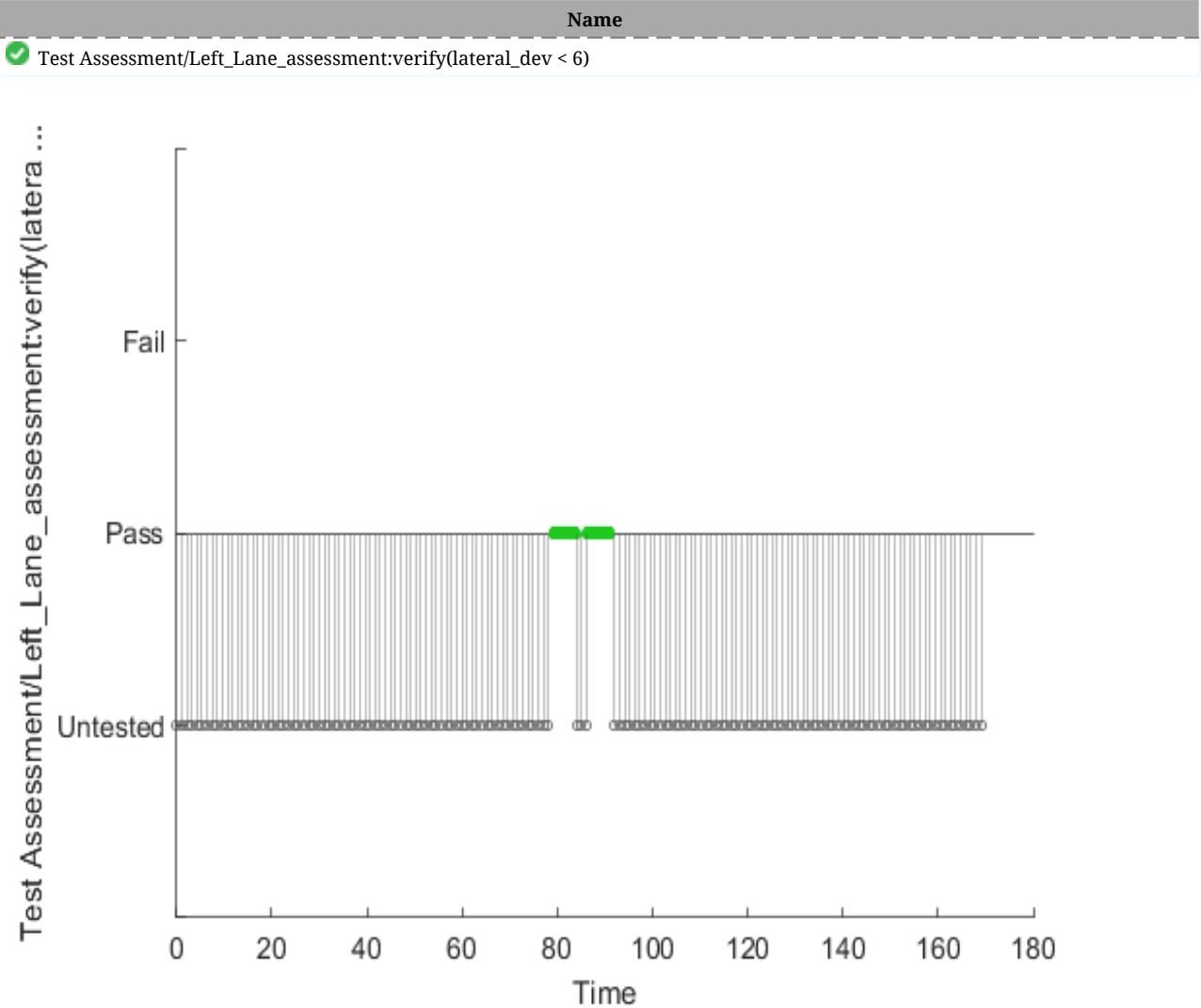
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



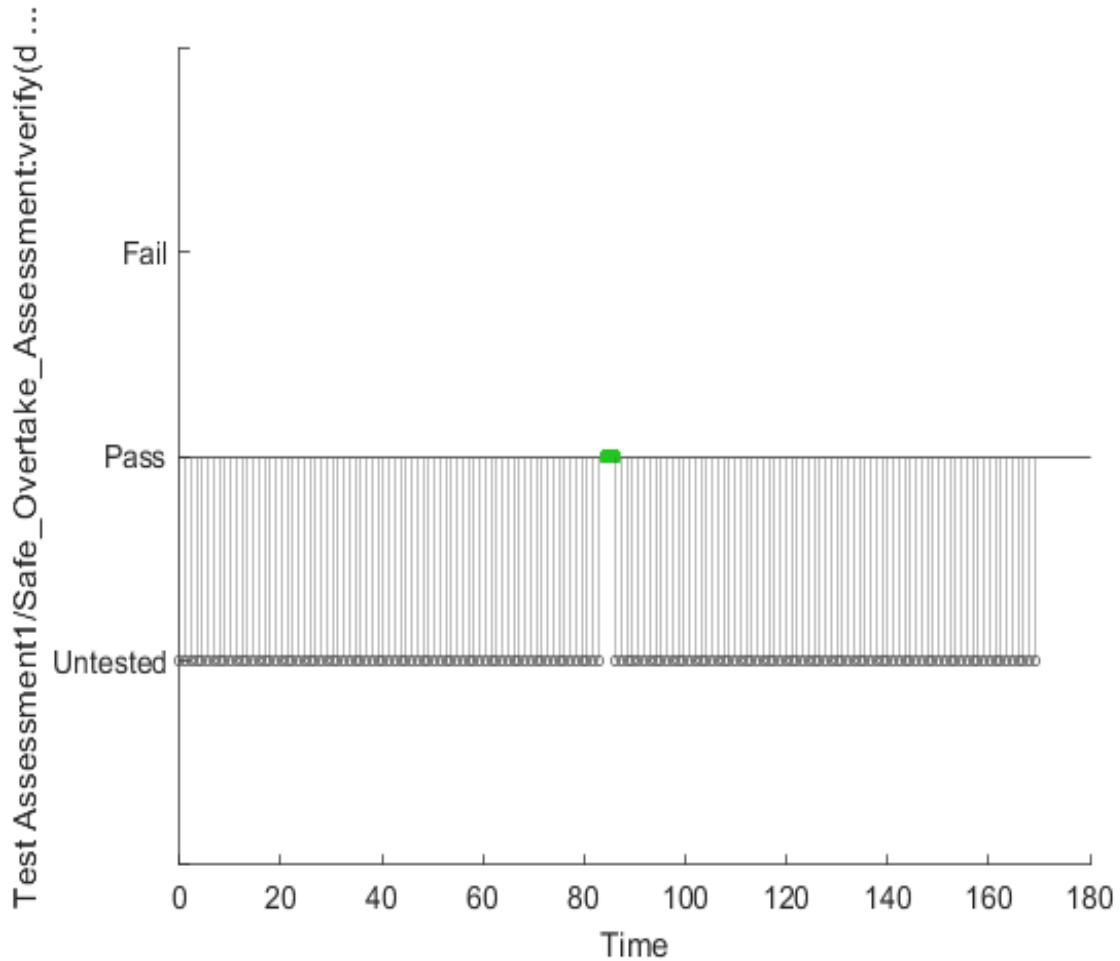
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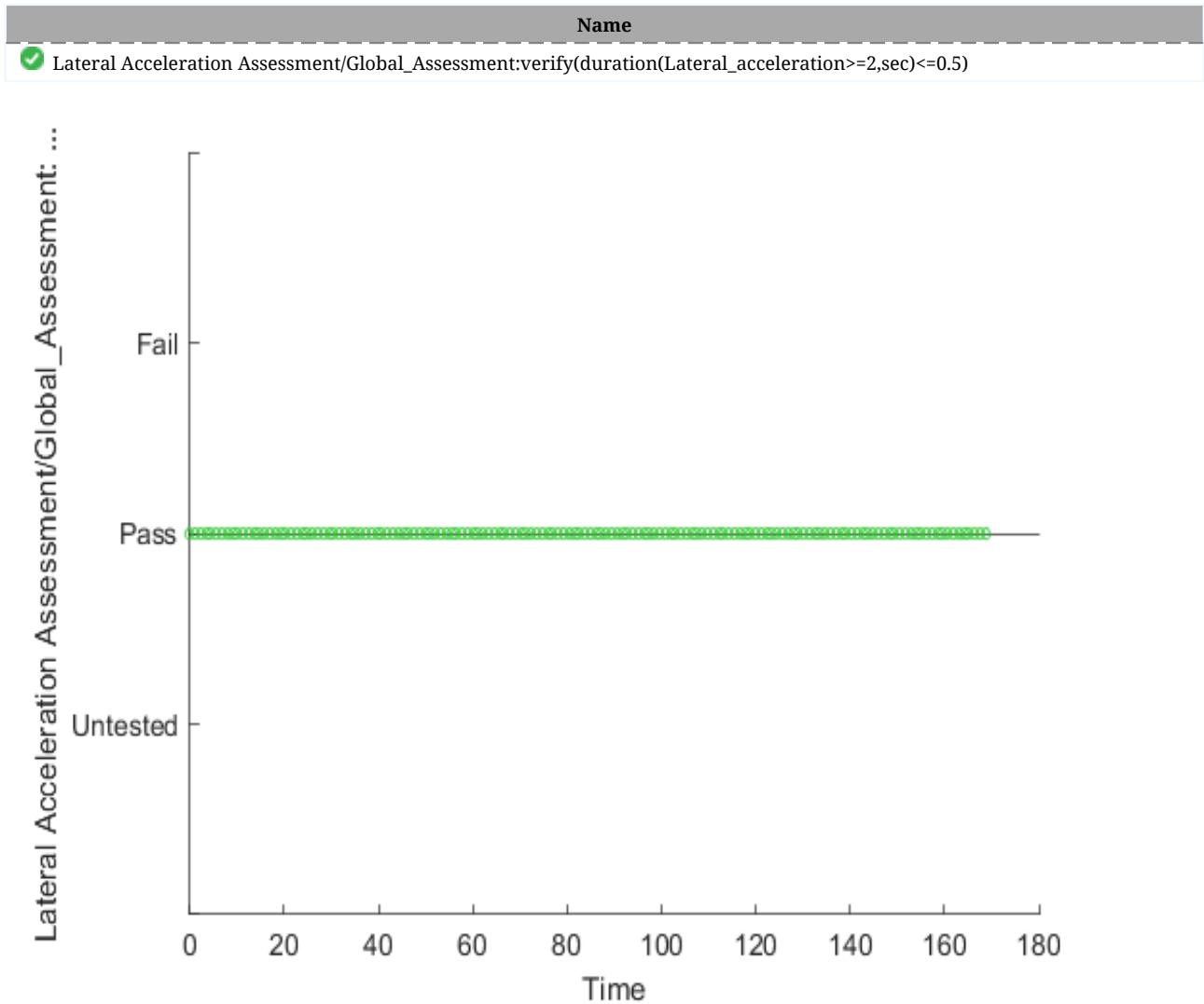
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

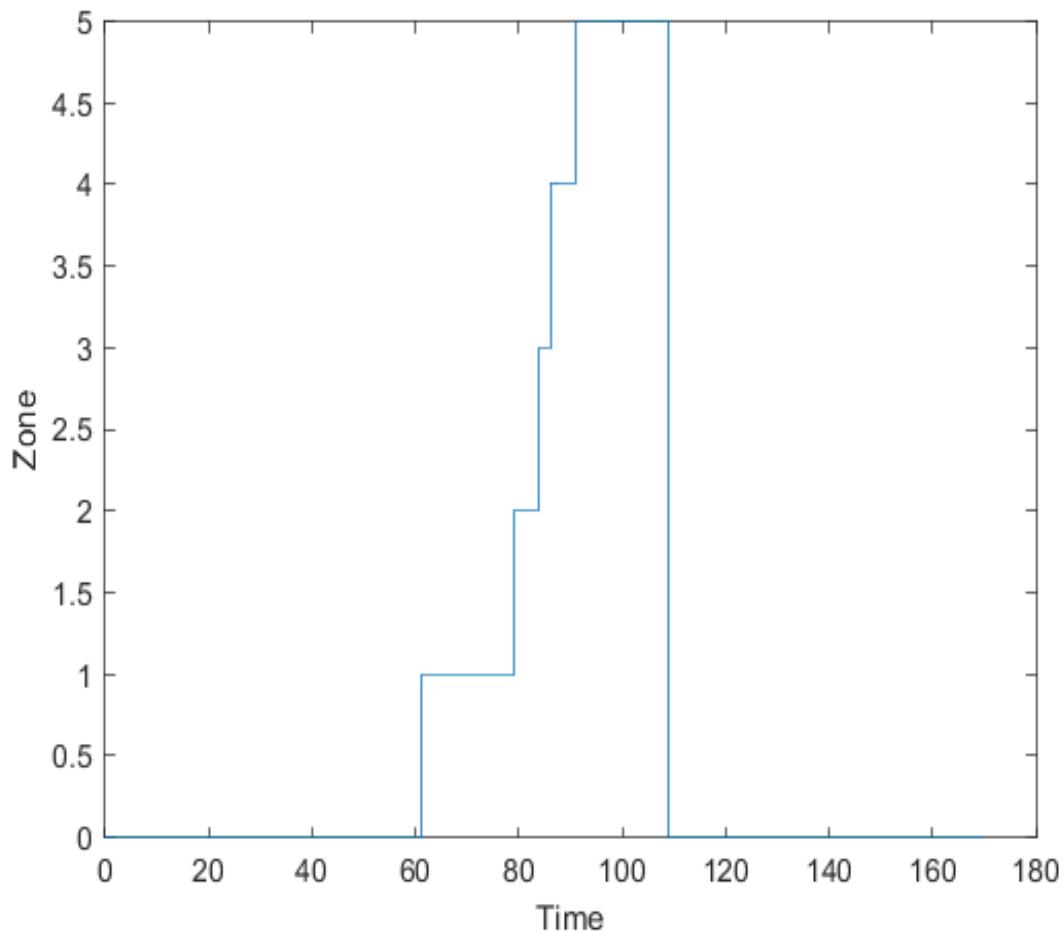
Start Time: 0  
Stop Time: 169.70562748477141  
Checksum: 3637510351 376823517 3882411658 459587679

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

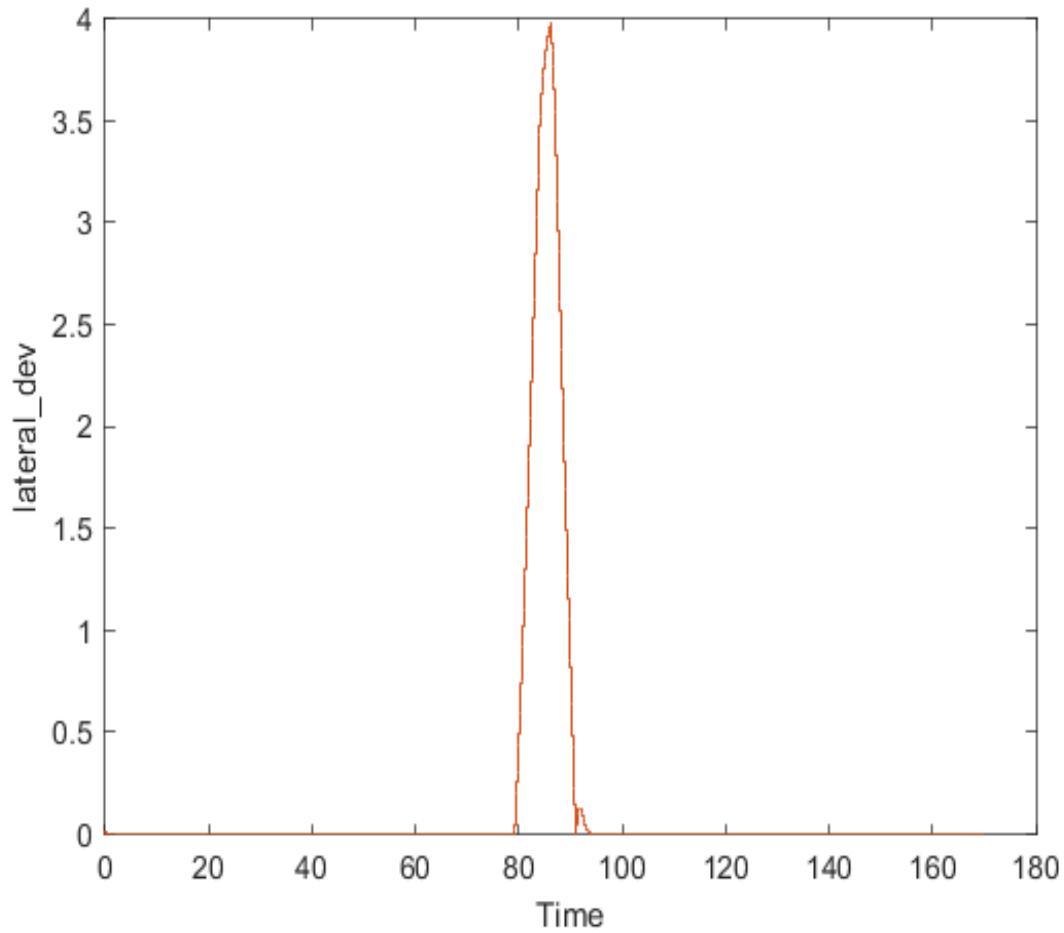
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -70° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:52:31  
End Time: 19-May-2021 21:53:17  
Outcome: Passed

## Test Case Information

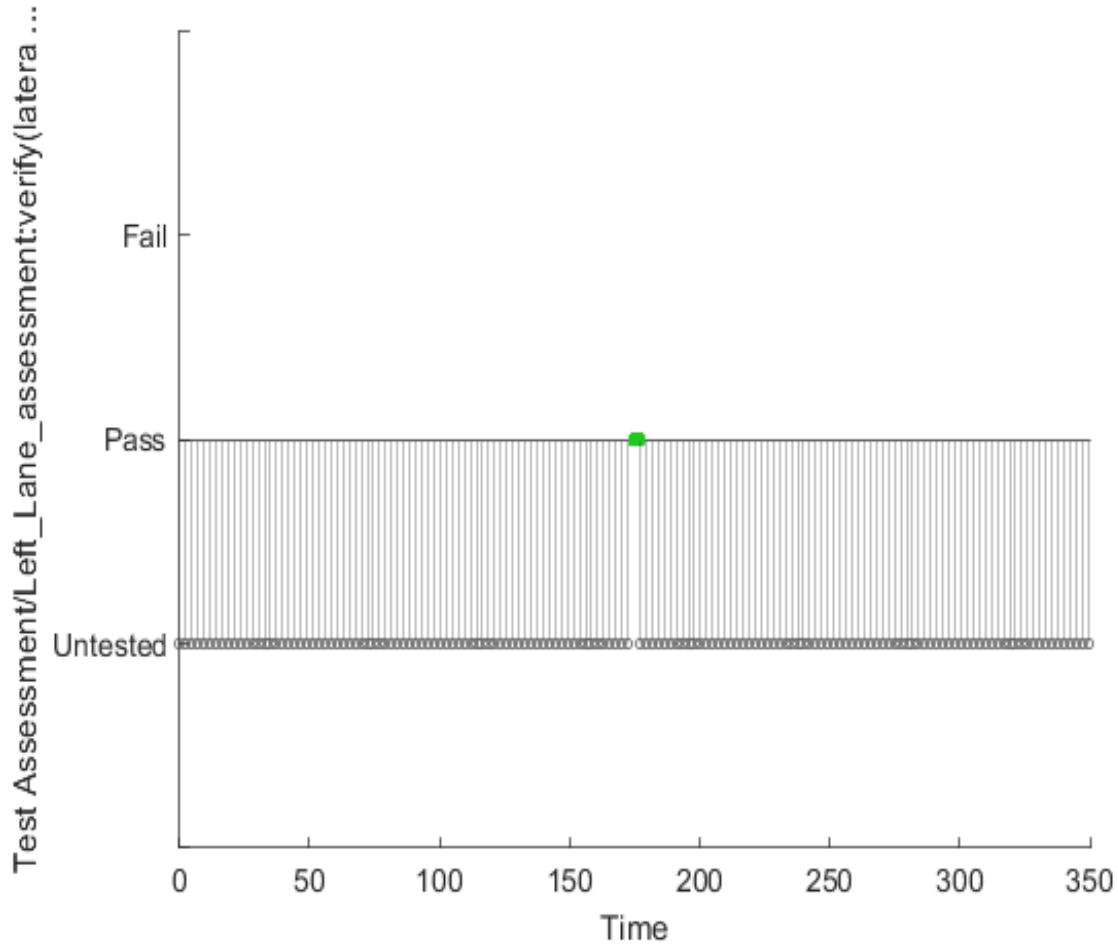
Name: -70° 30km/h  
Type: Simulation Test

## Verify Result

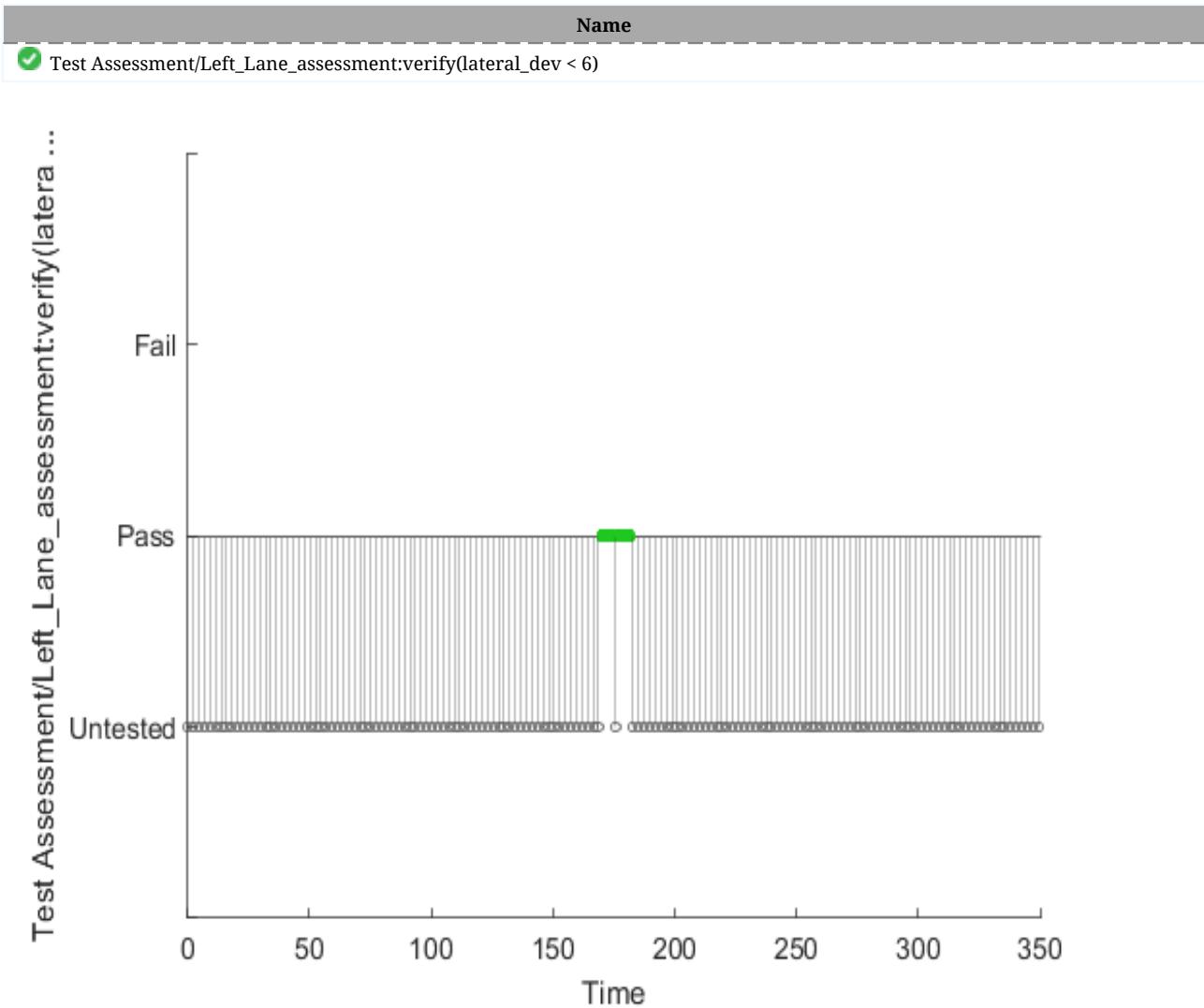
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



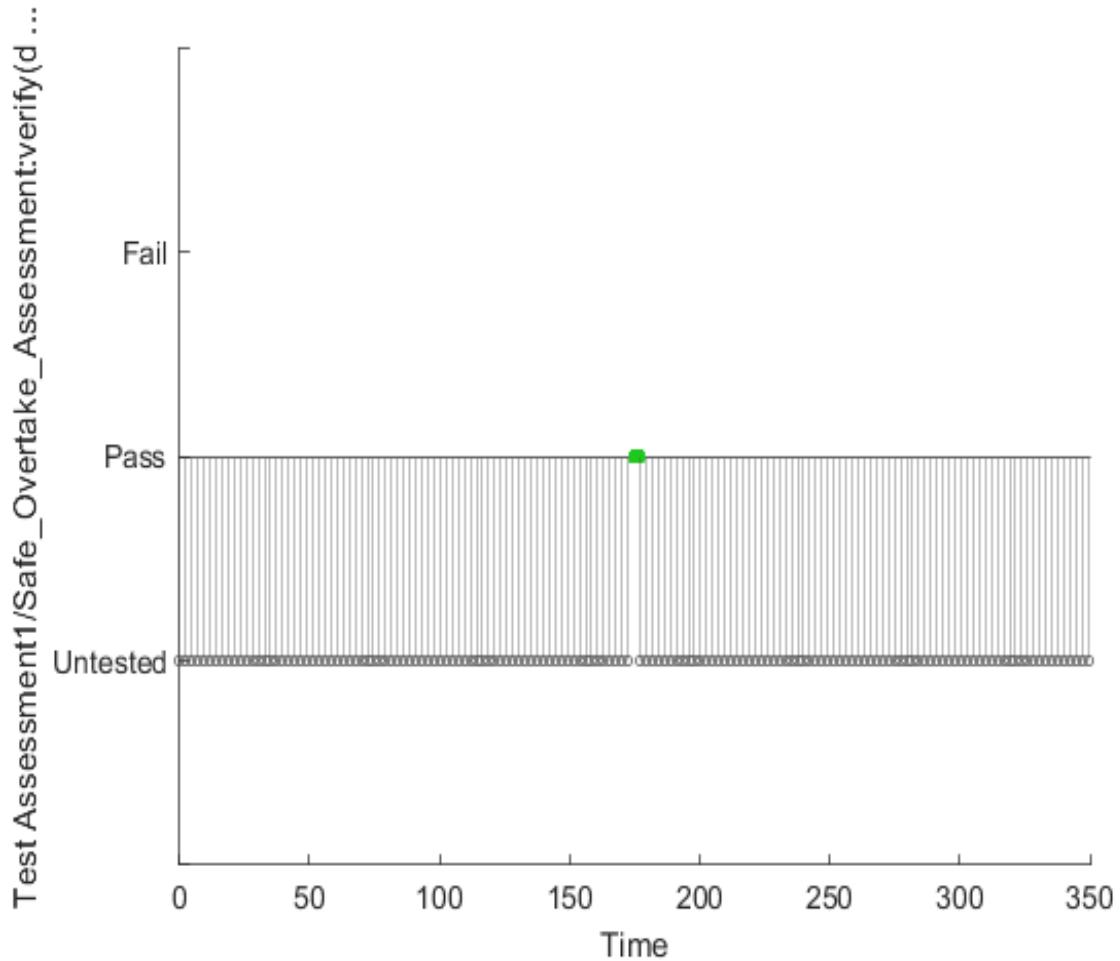
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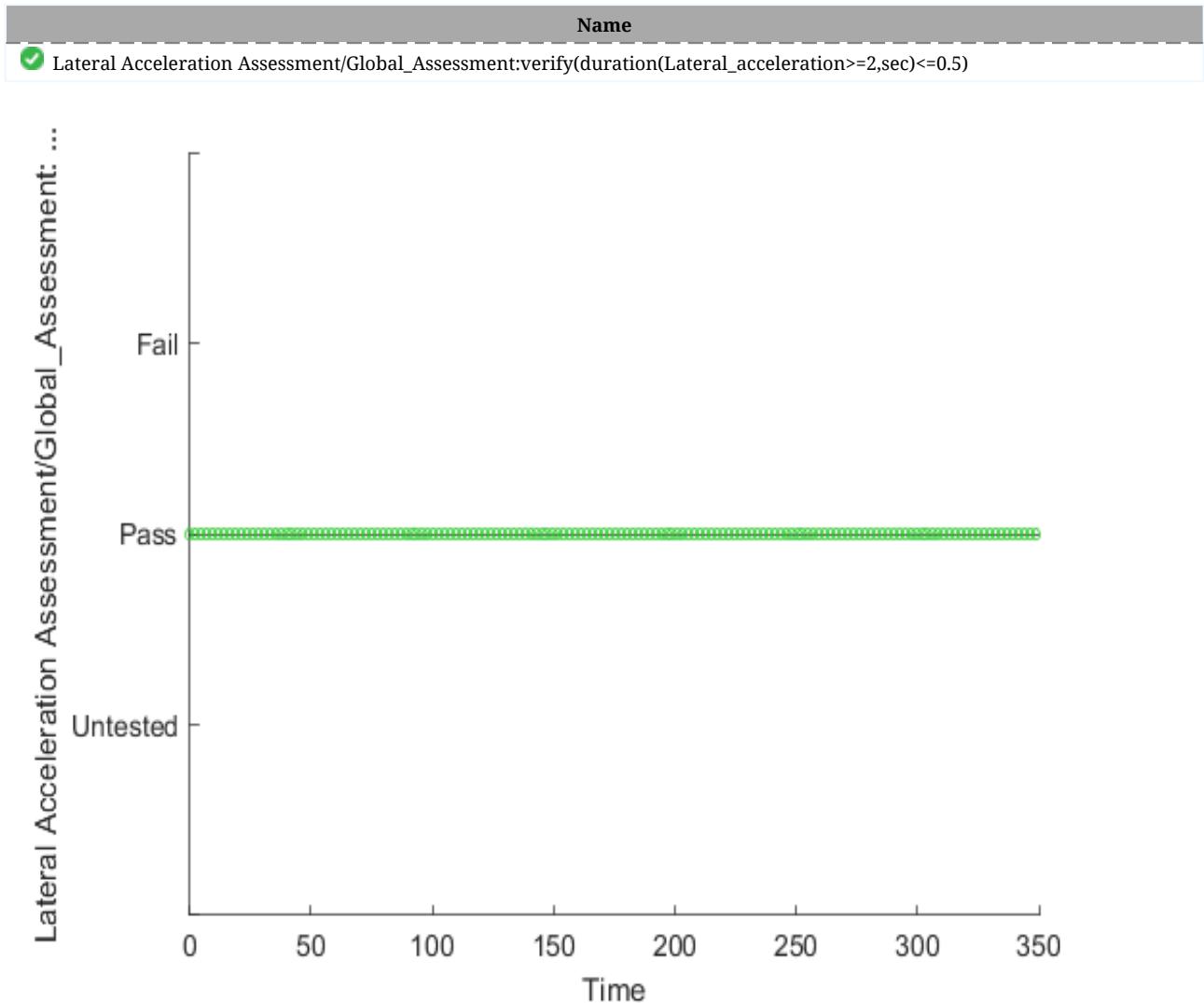
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

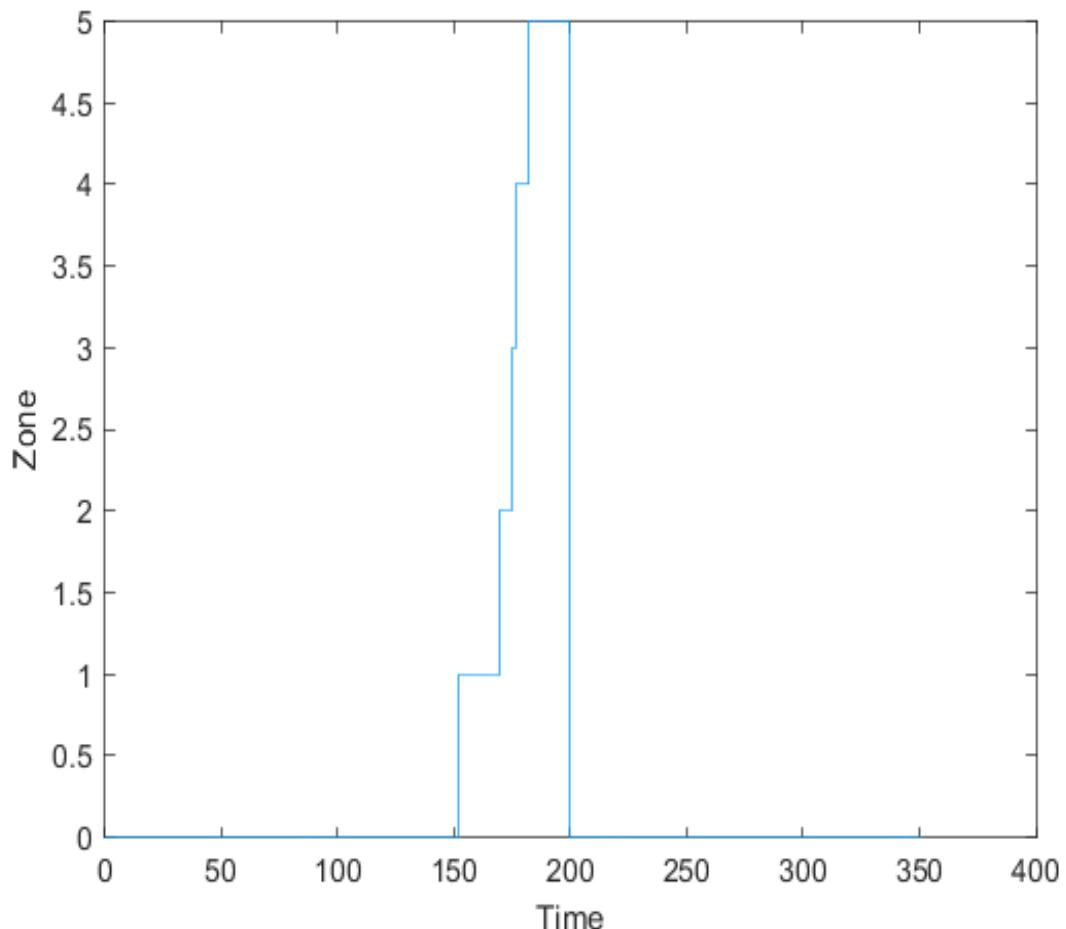
Start Time: 0  
Stop Time: 350.80269326218121  
Checksum: 452172243 3280721110 1263425972 1203986333

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

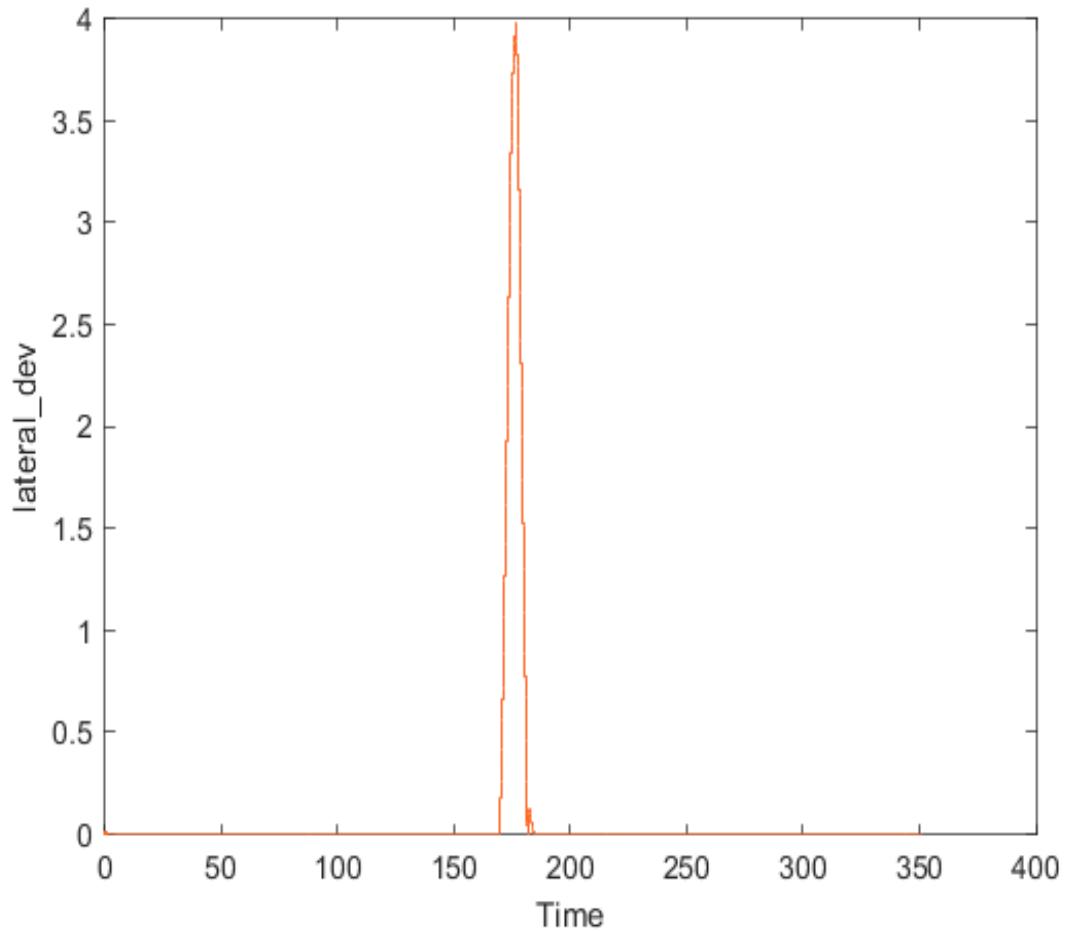
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -90° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:53:17  
End Time: 19-May-2021 21:53:29  
Outcome: Passed

## Test Case Information

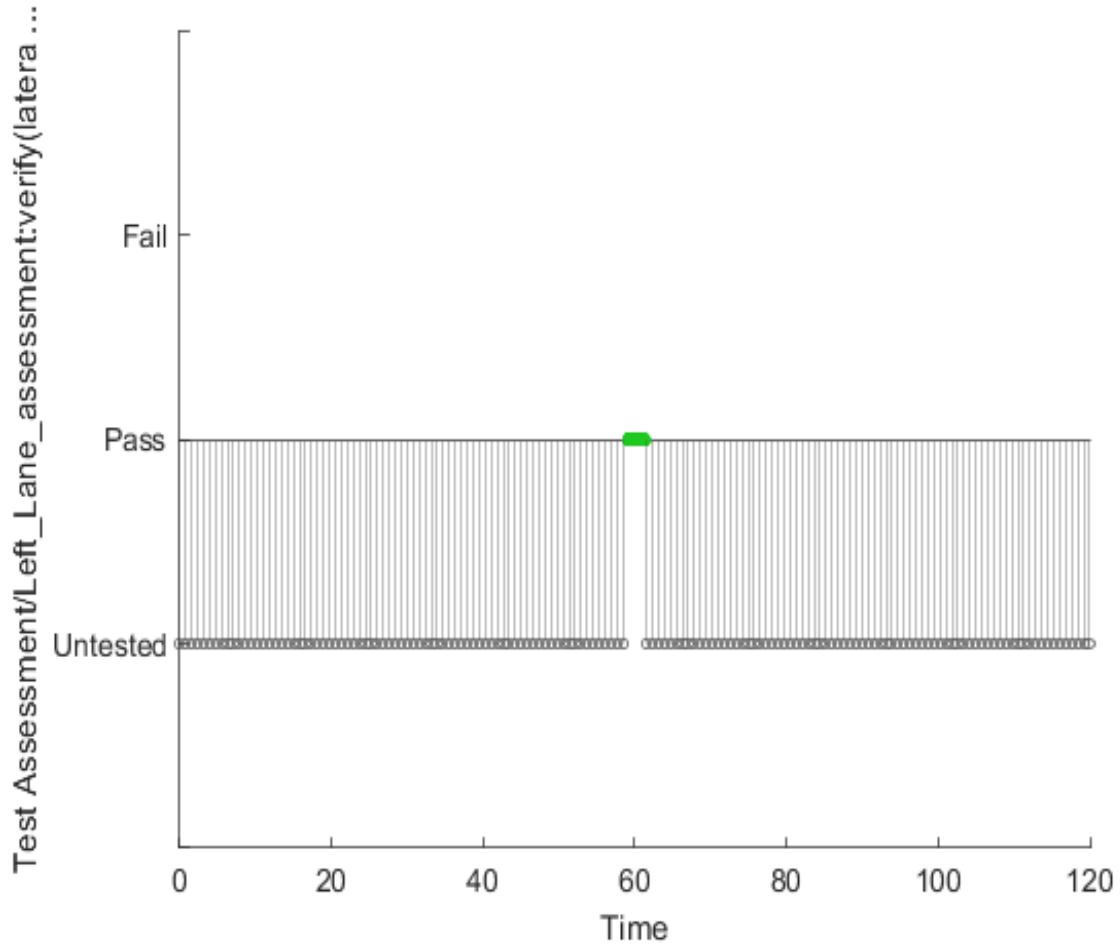
Name: -90° 30km/h  
Type: Simulation Test

## Verify Result

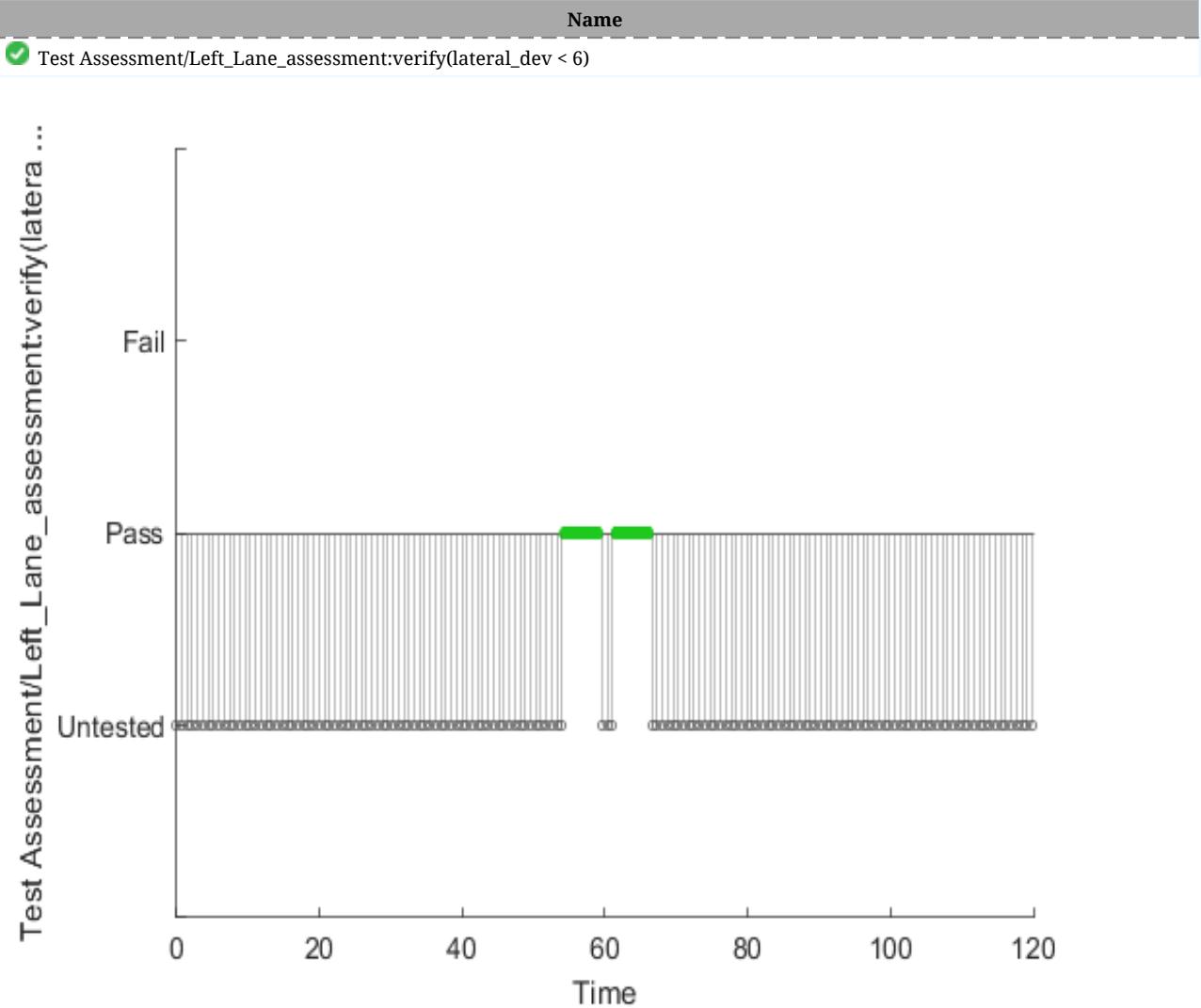
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



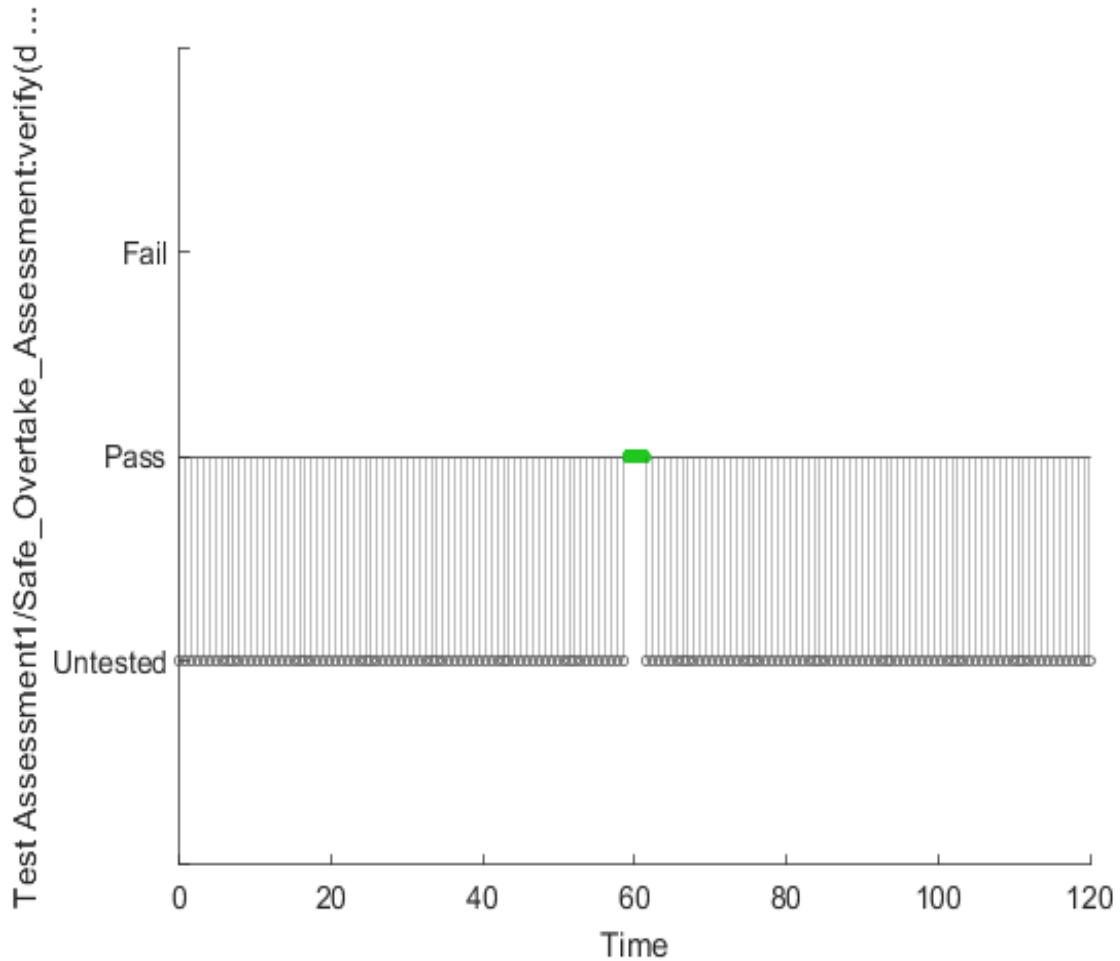
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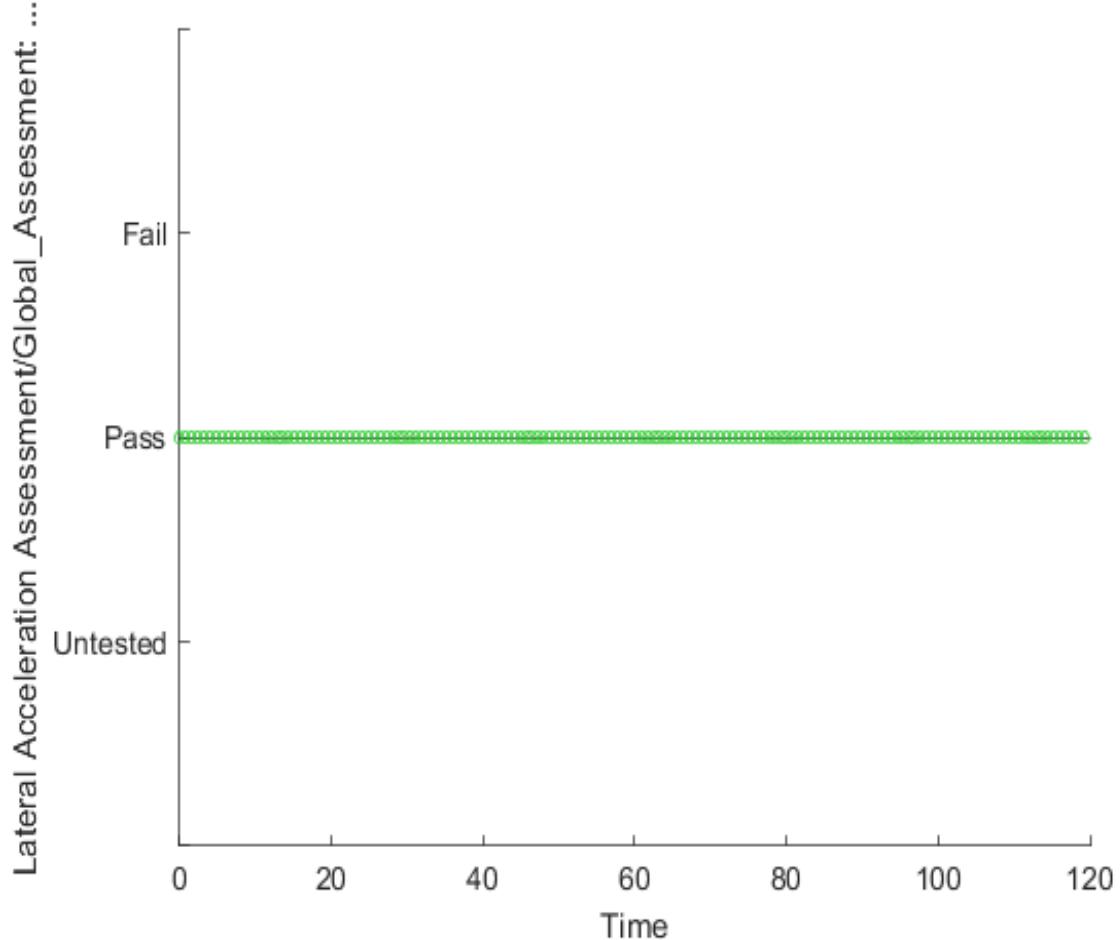
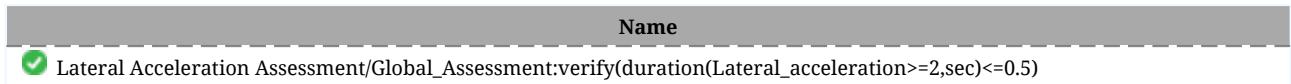
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

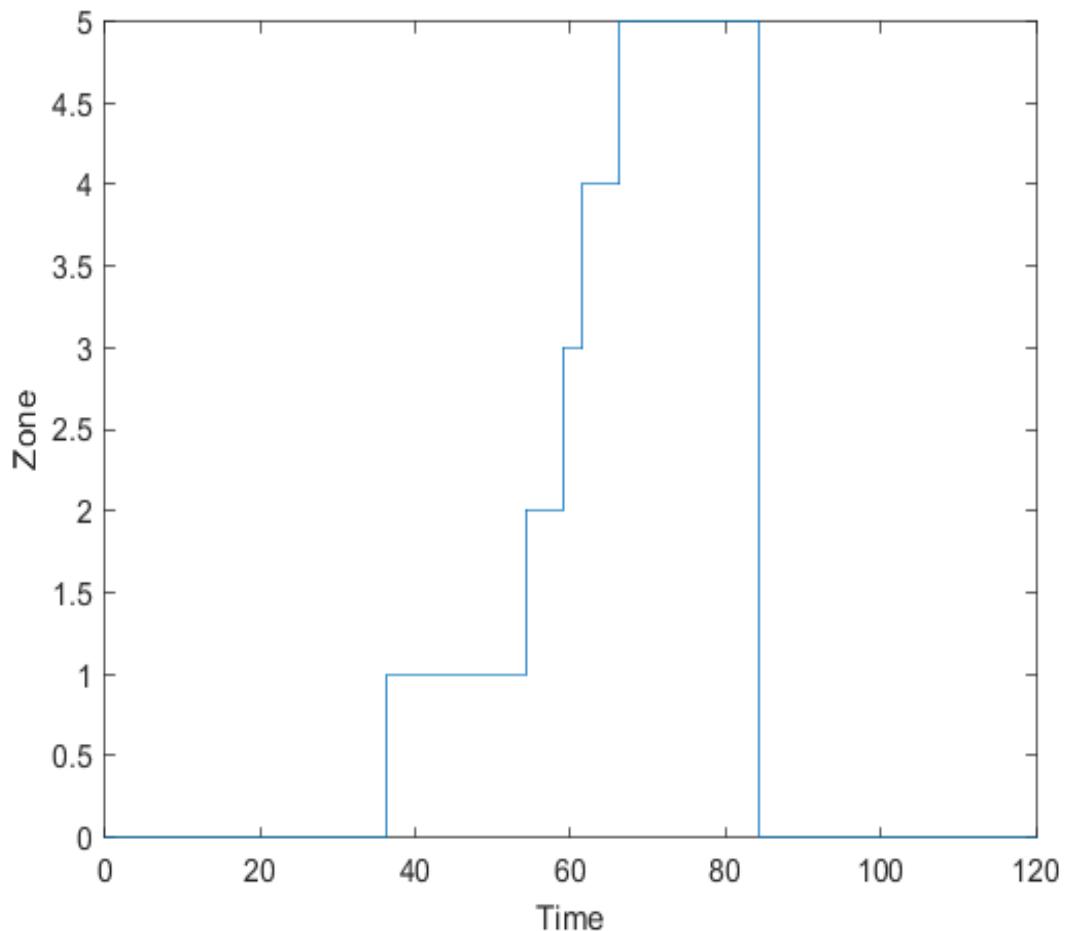
Start Time: 0  
Stop Time: 119.9999999999999  
Checksum: 2041890581 3909965806 2103483158 113047456

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

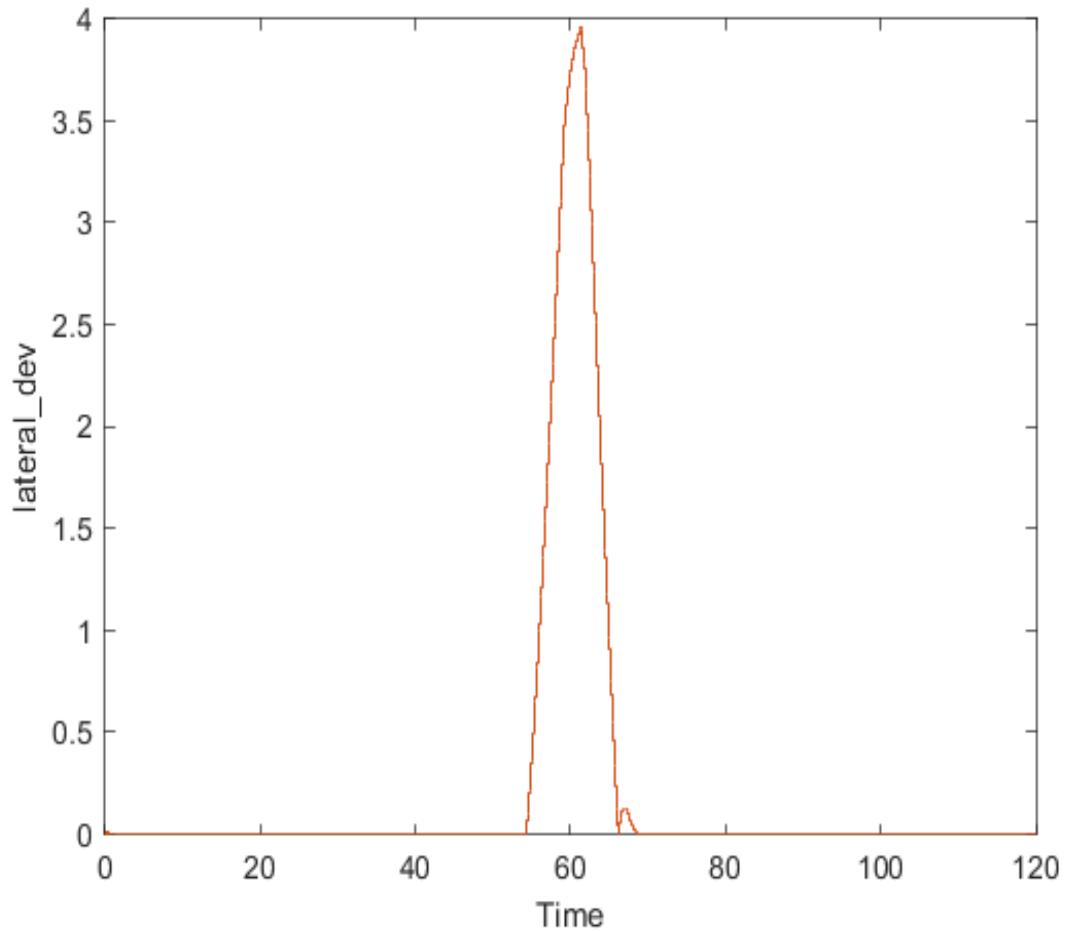
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -110° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

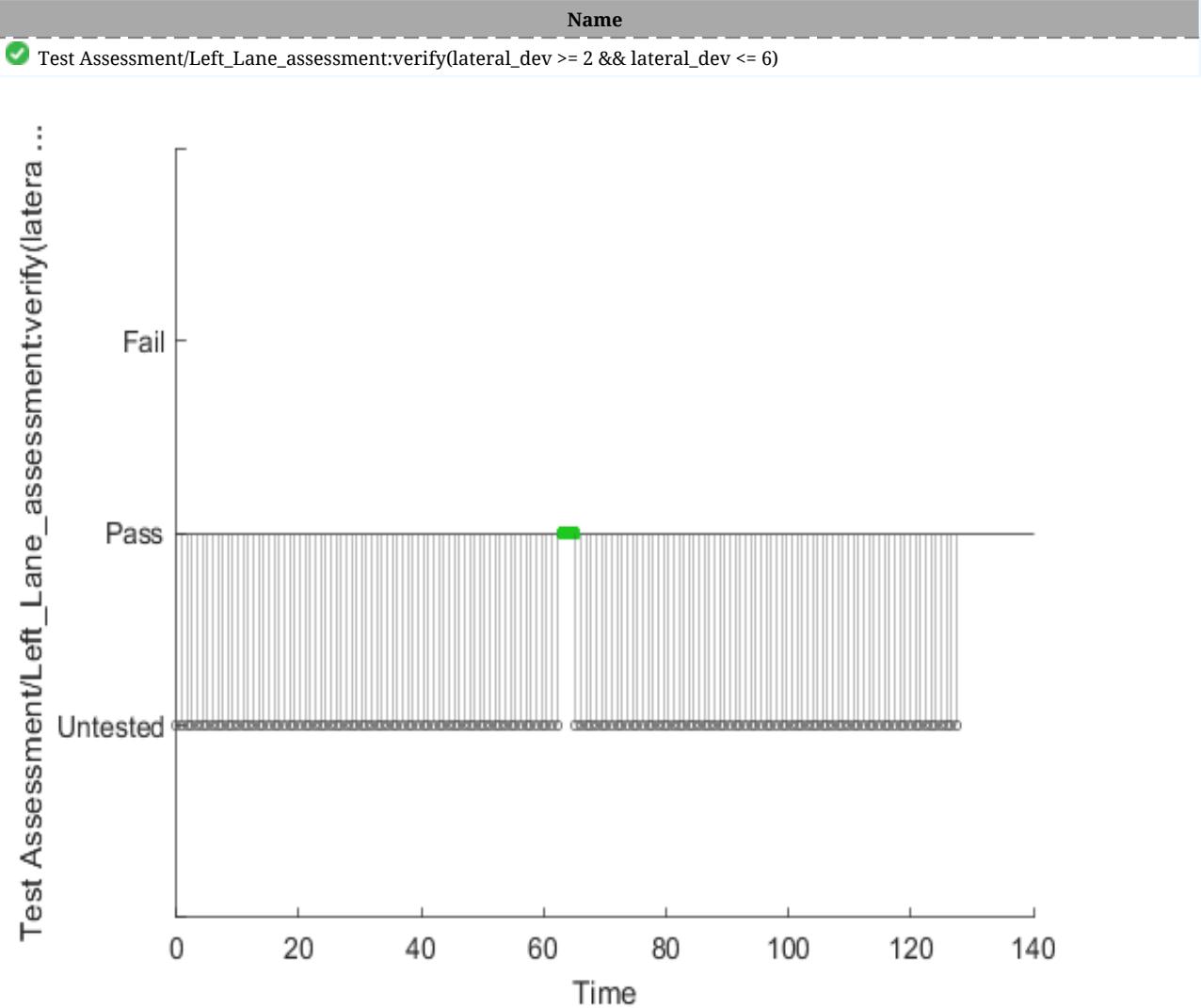
Start Time: 19-May-2021 21:53:29  
End Time: 19-May-2021 21:53:42  
Outcome: Passed

## Test Case Information

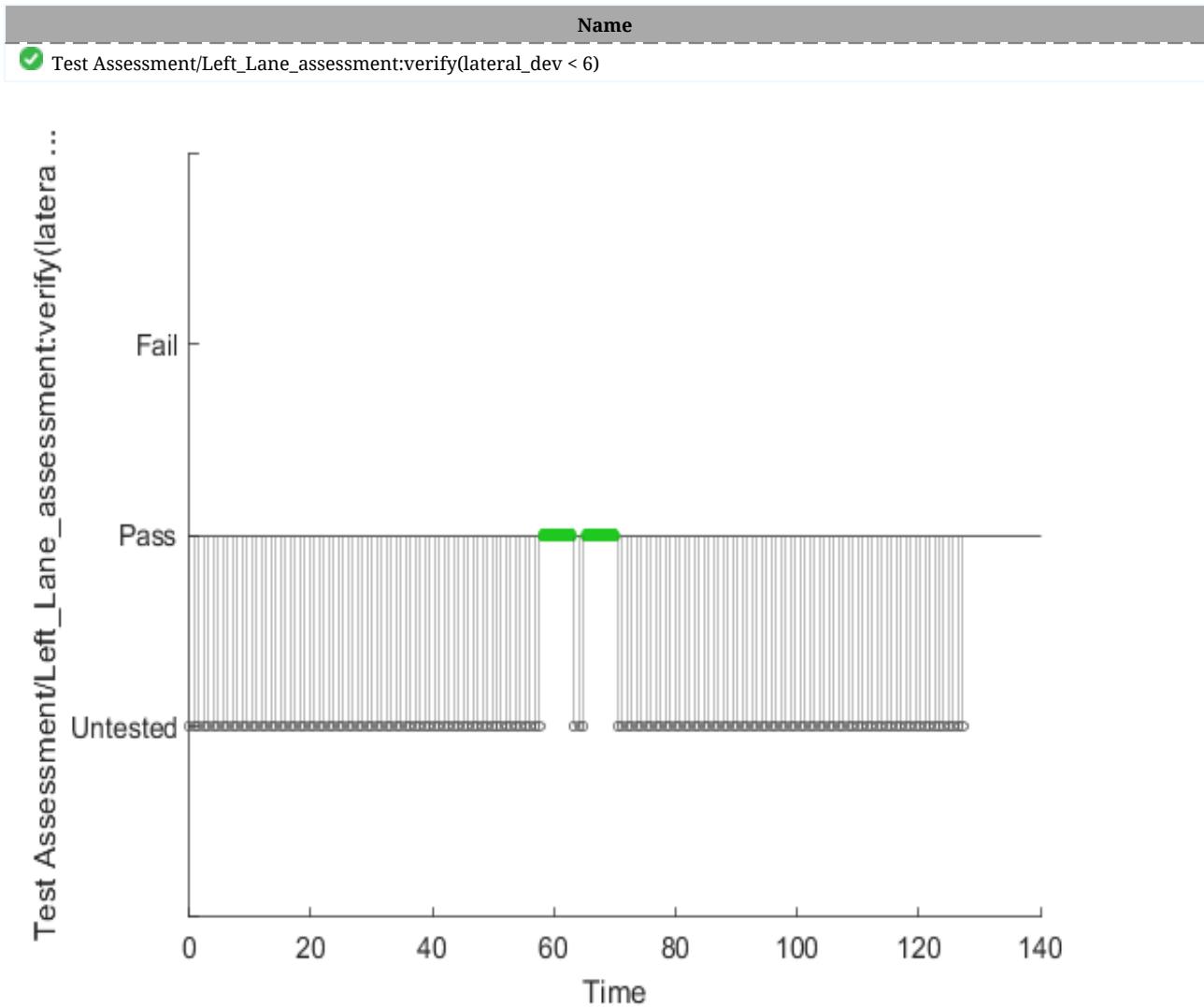
Name: -110° 30km/h  
Type: Simulation Test

## Verify Result

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



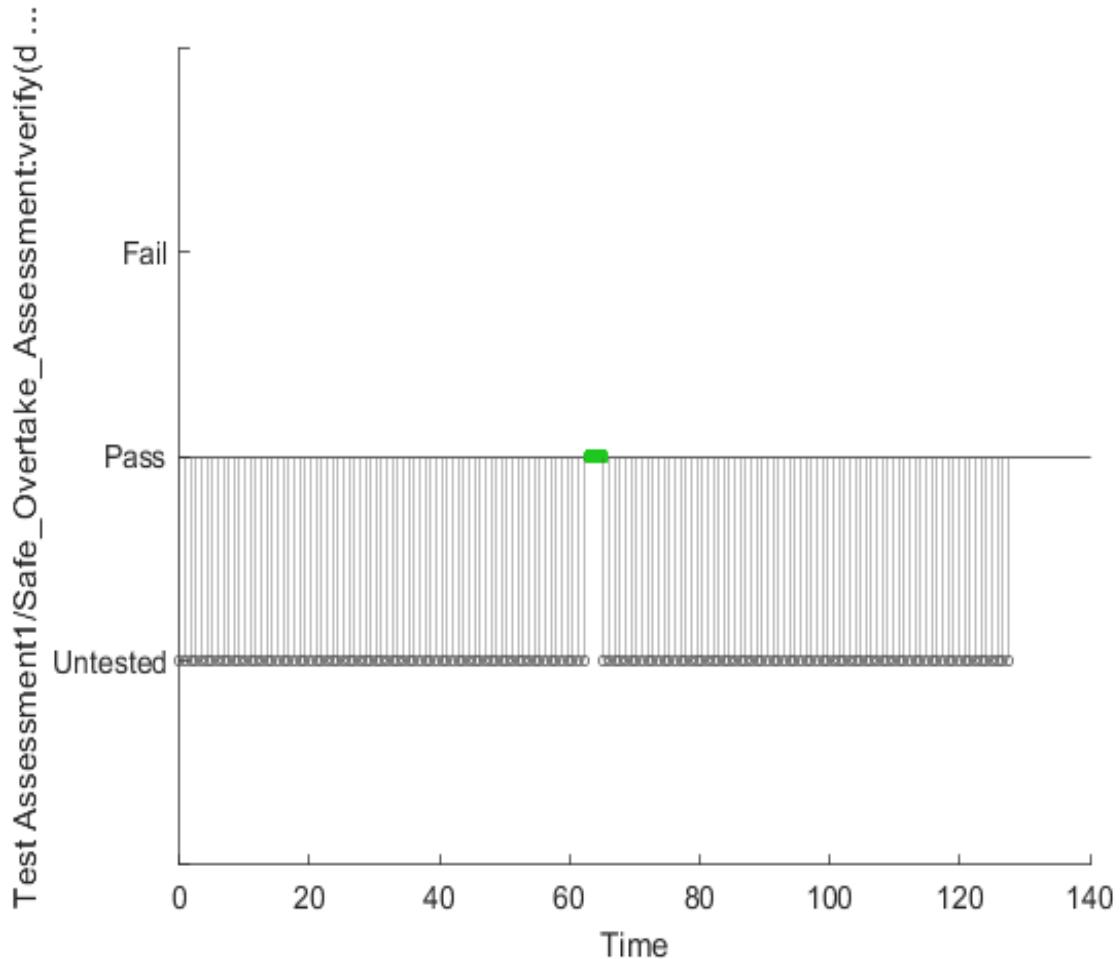
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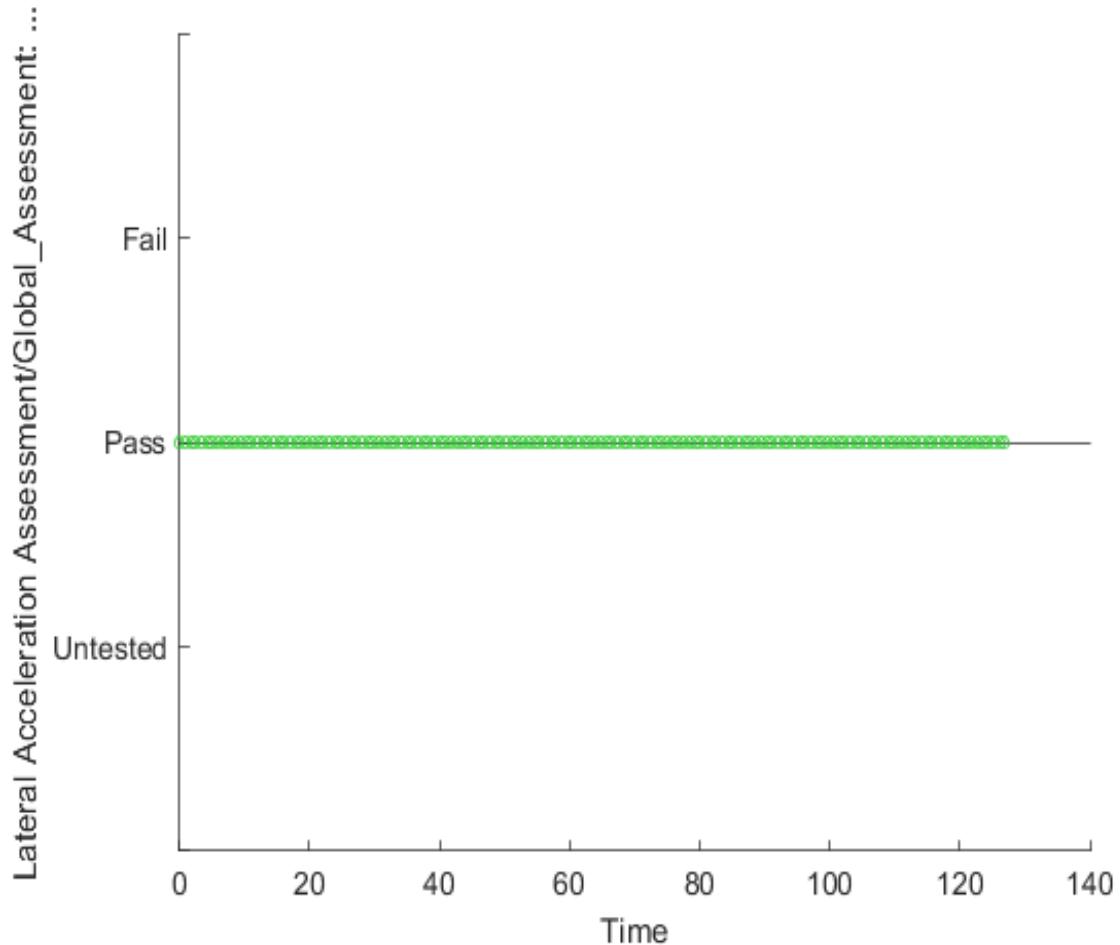
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

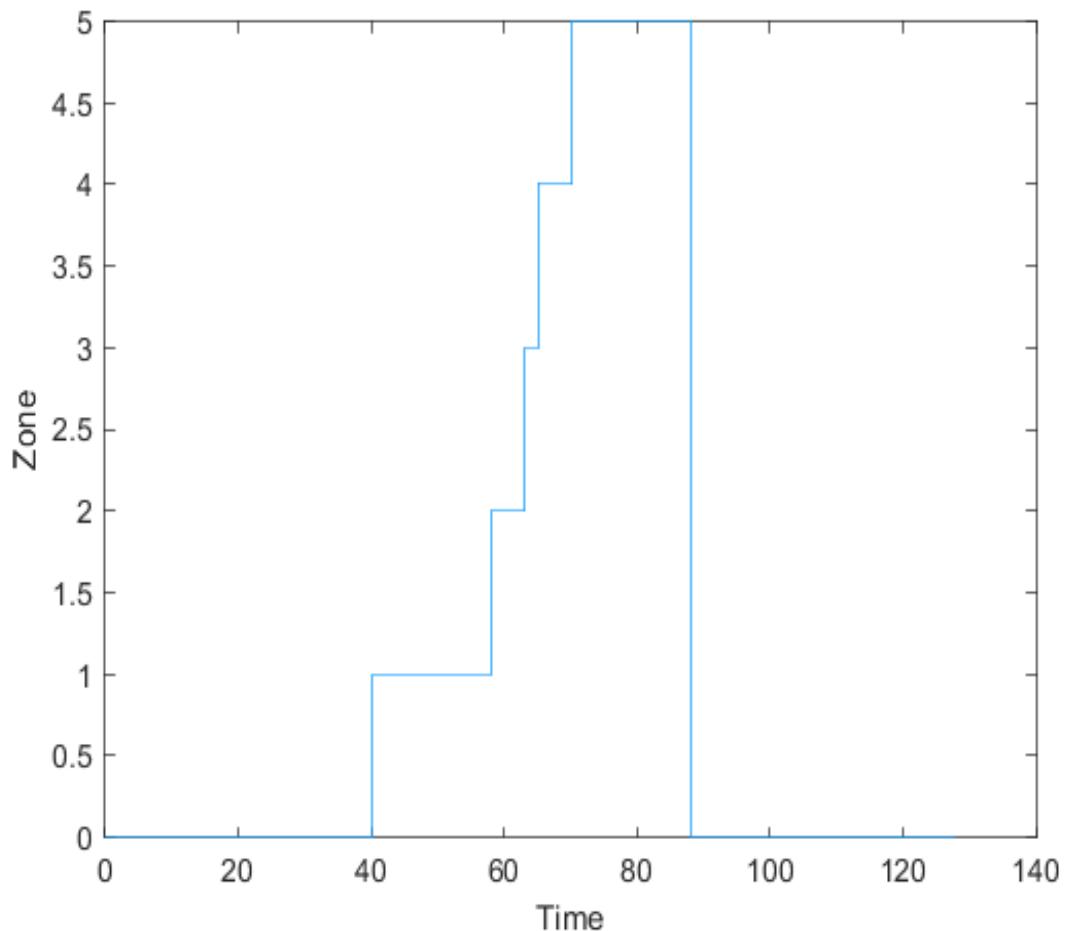
Start Time: 0  
Stop Time: 127.70255439888429  
Checksum: 683140037 1277069260 1389166635 1421240856

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

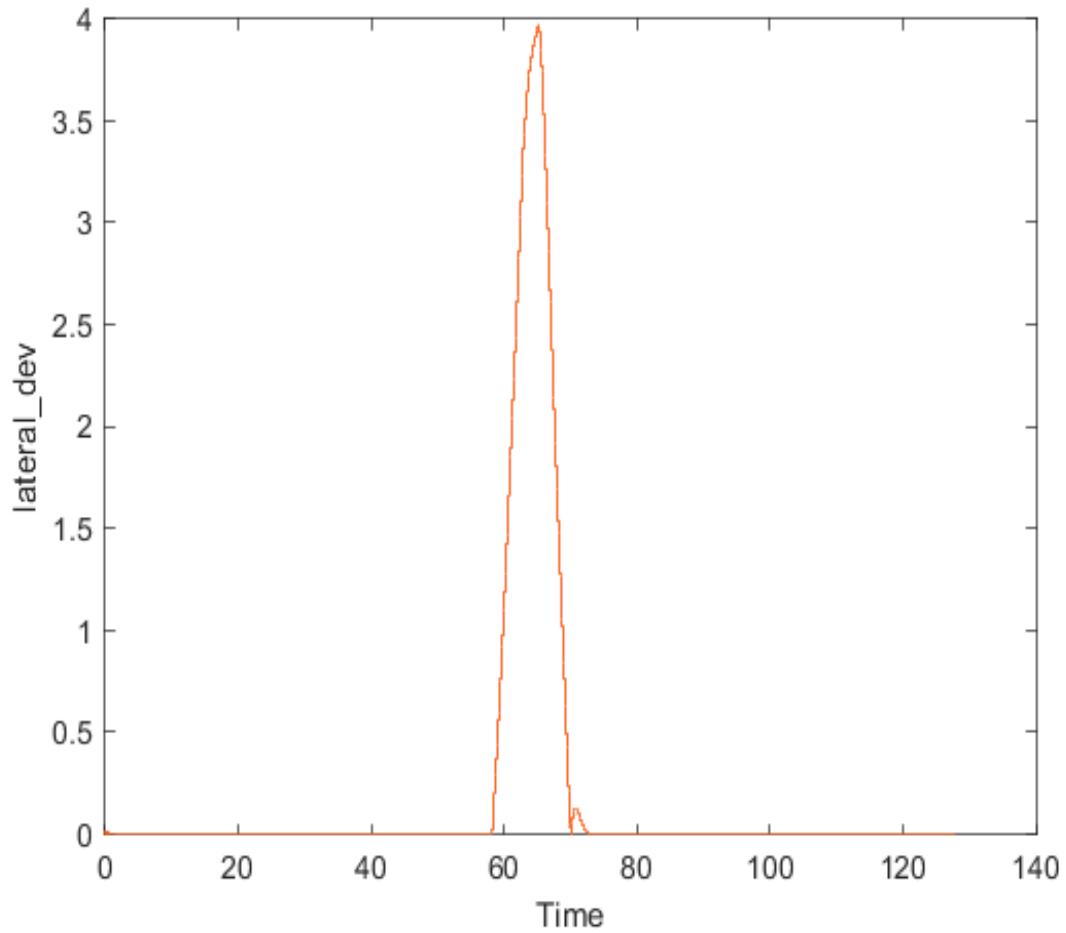
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -135° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:53:42  
End Time: 19-May-2021 21:54:00  
Outcome: Passed

## Test Case Information

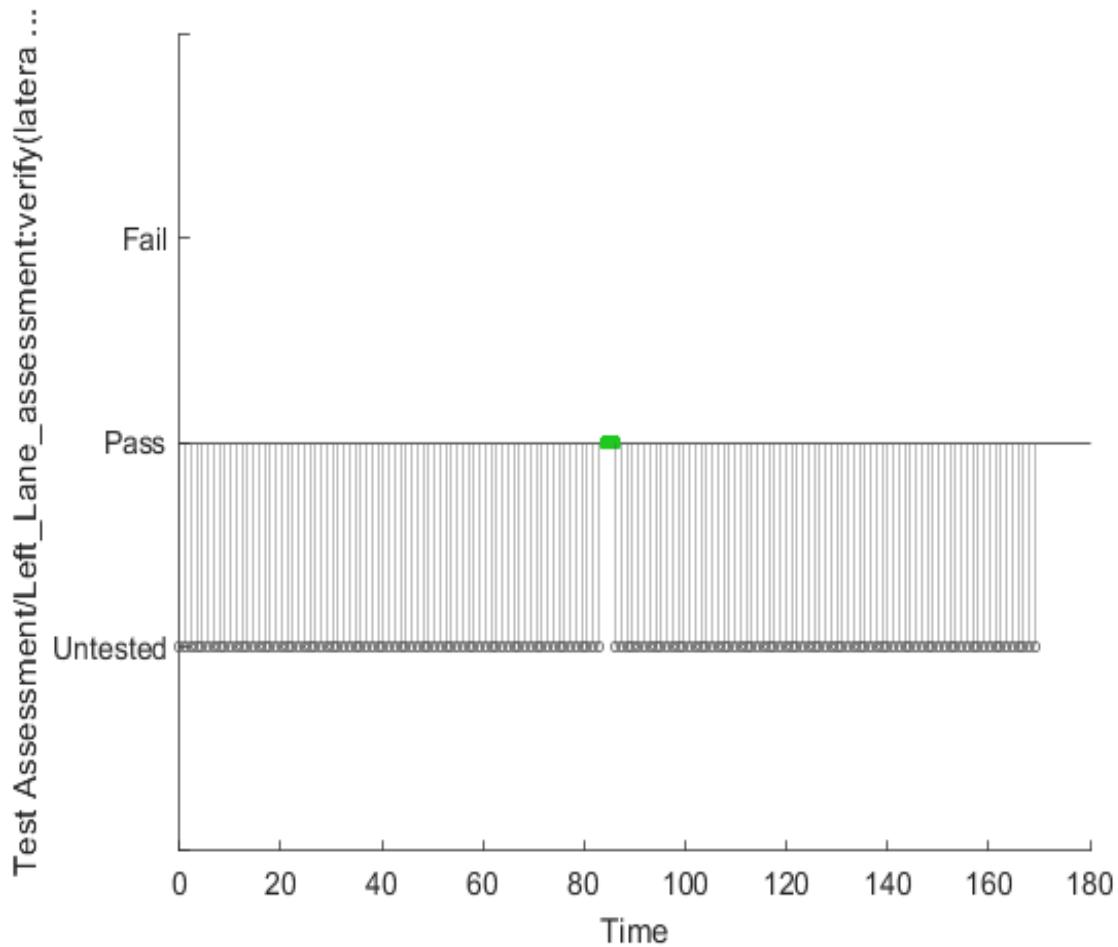
Name: -135° 30km/h  
Type: Simulation Test

## Verify Result

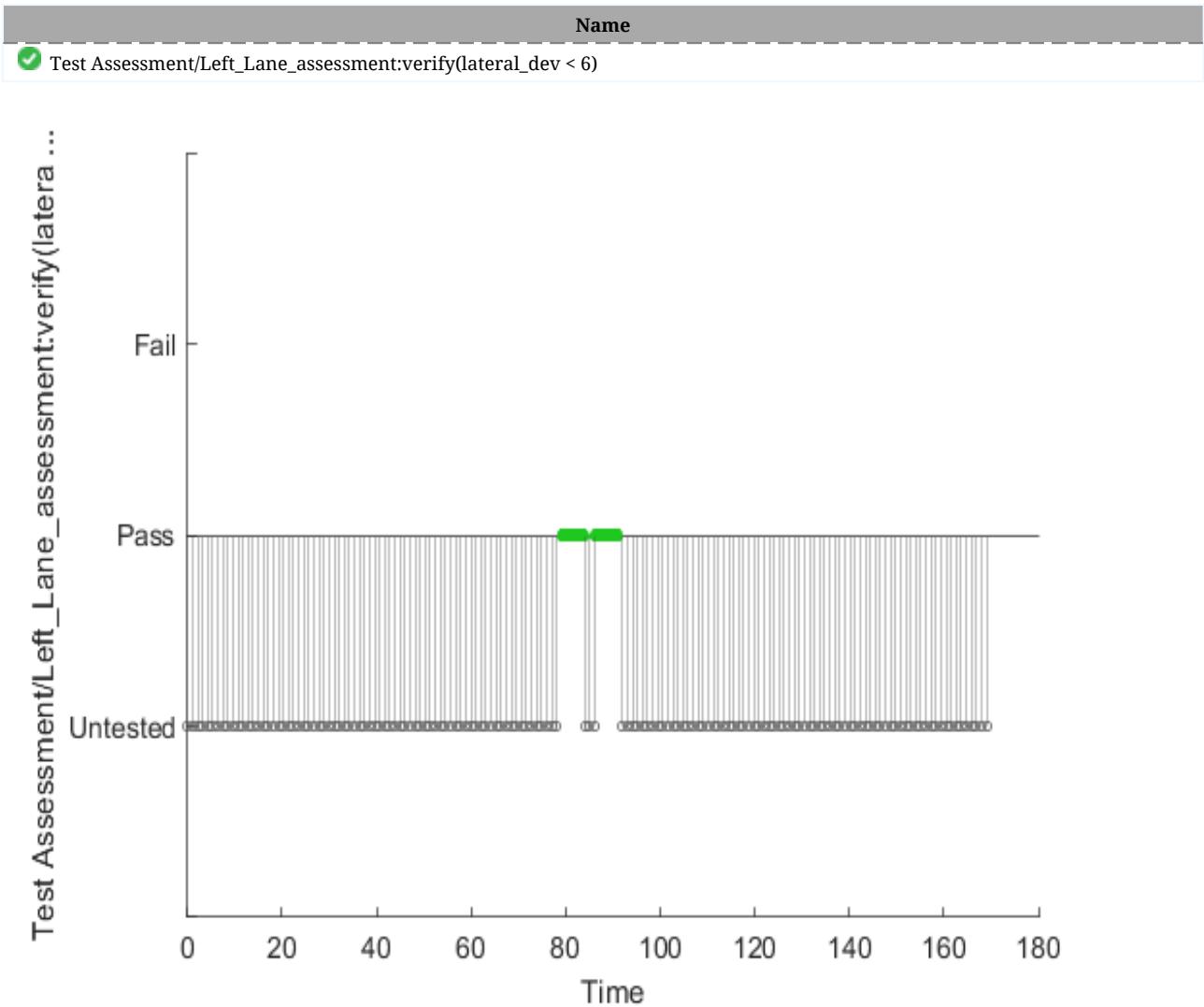
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



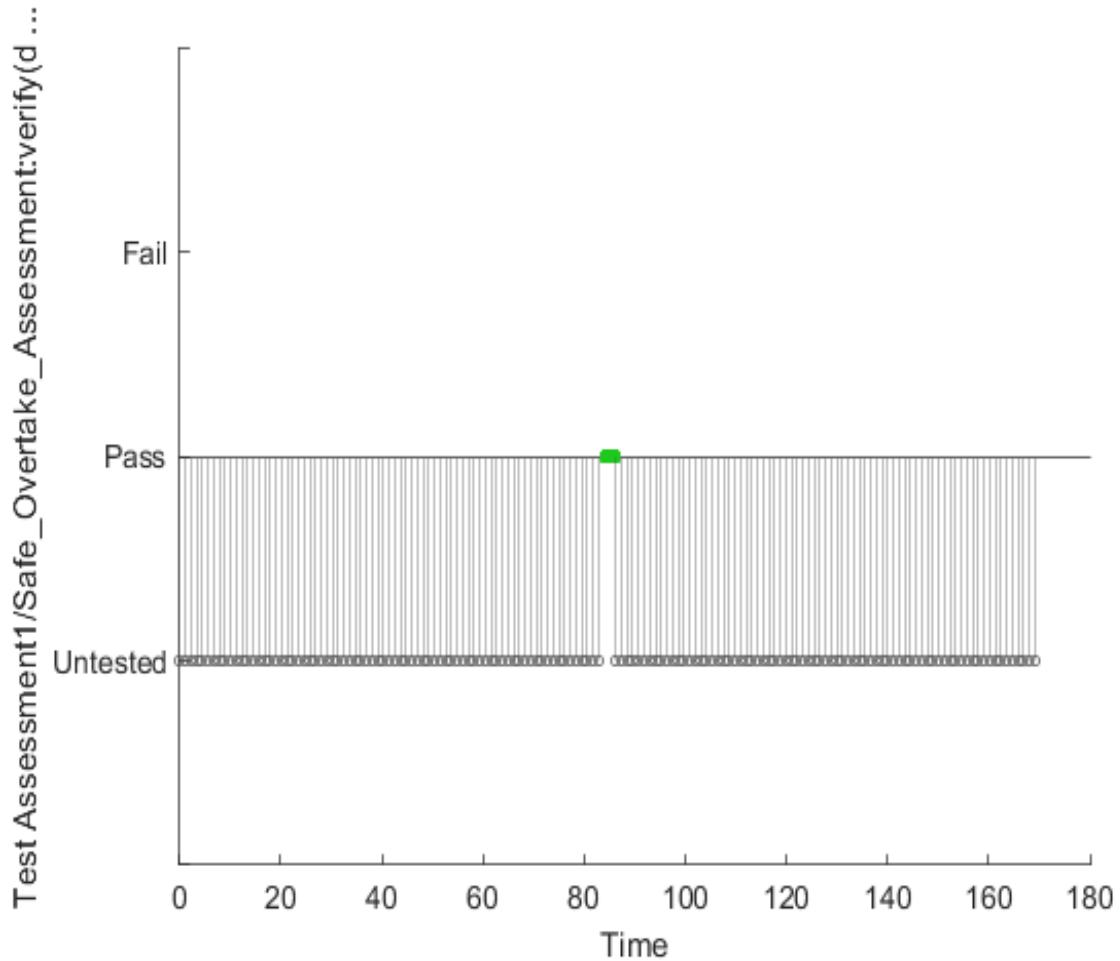
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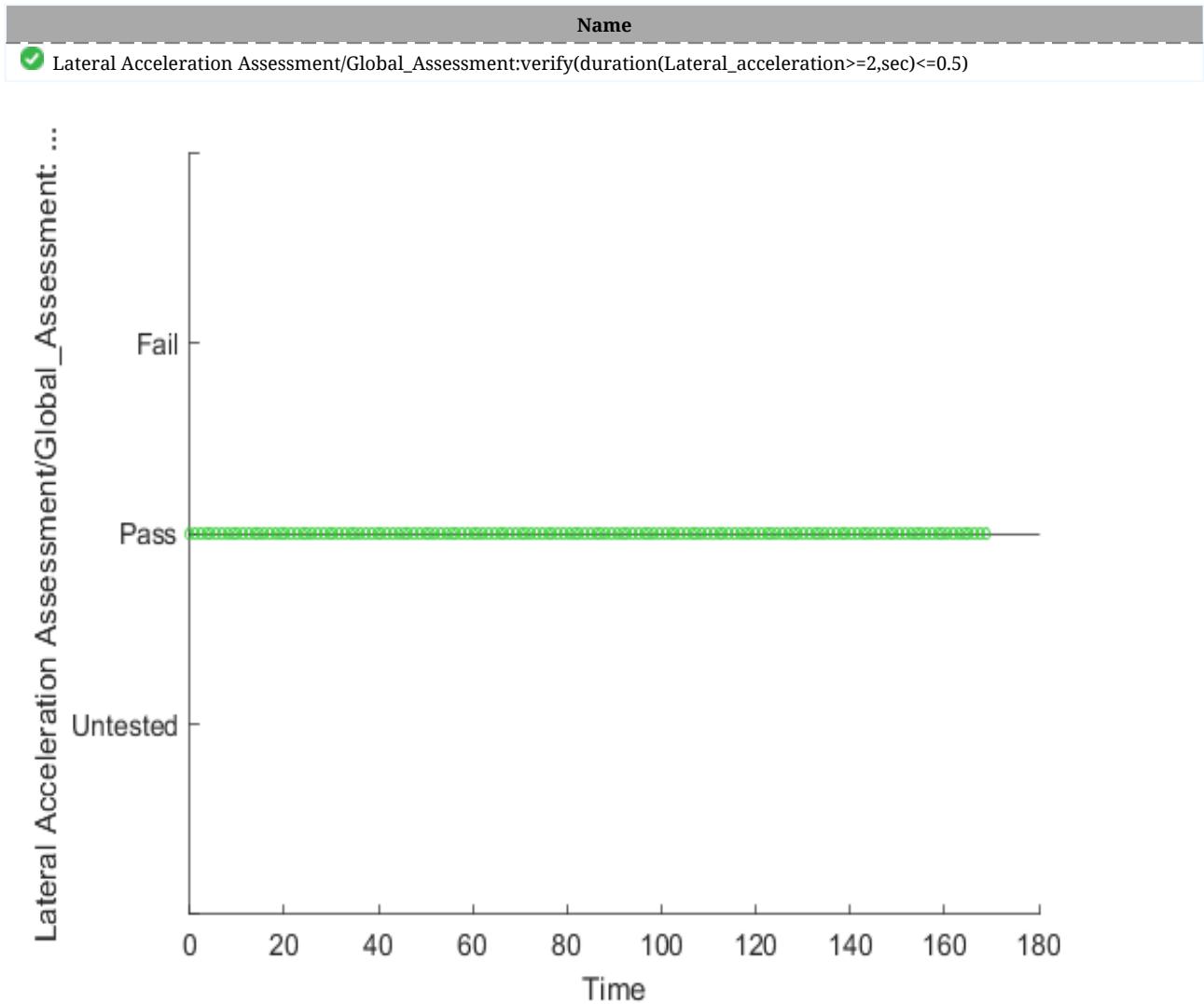
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

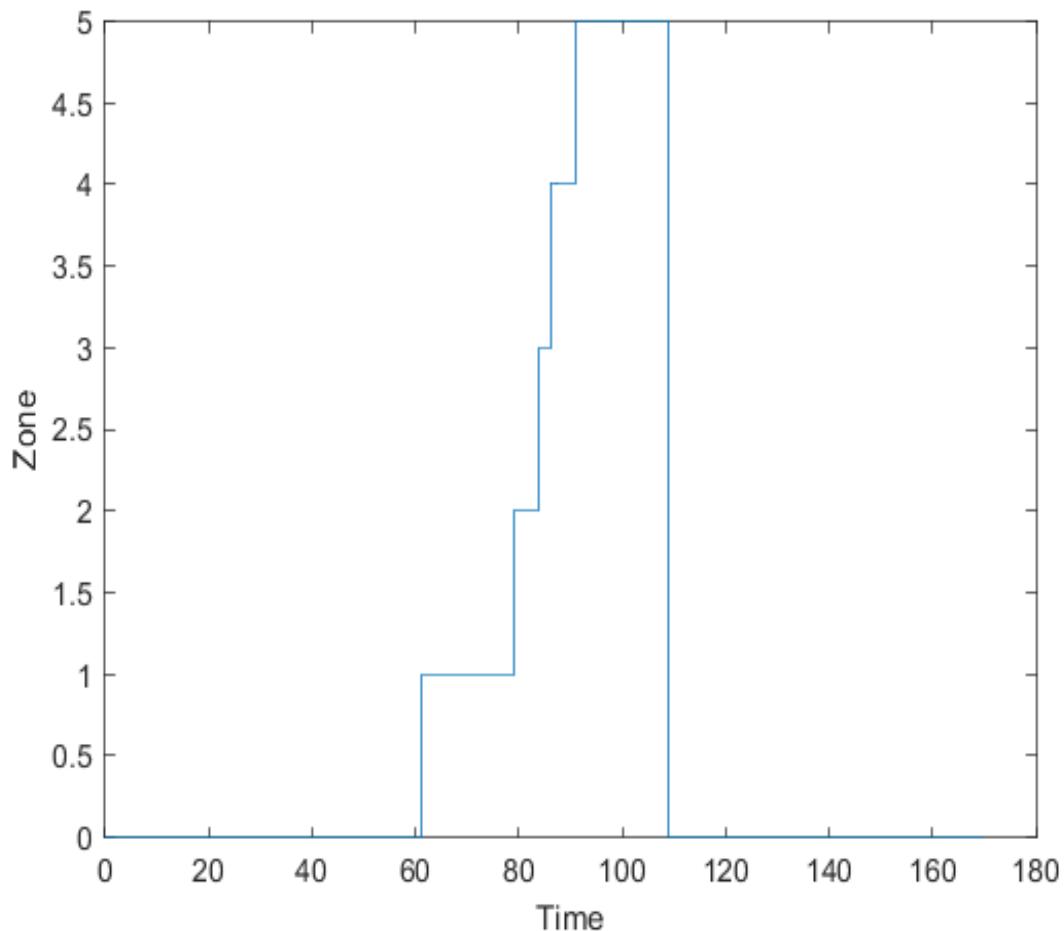
Start Time: 0  
Stop Time: 169.70562748477141  
Checksum: 3637510351 376823517 3882411658 459587679

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

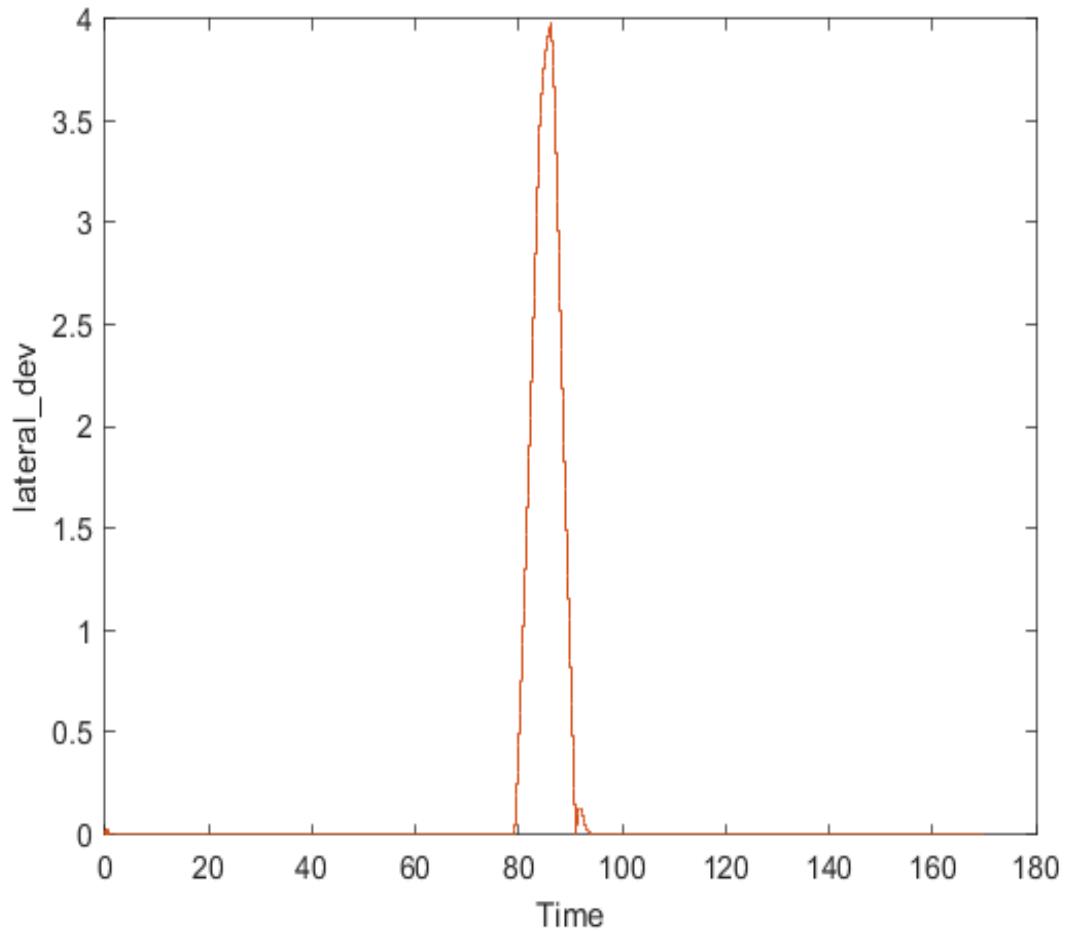
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## -160° 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:54:00  
End Time: 19-May-2021 21:54:46  
Outcome: Passed

## Test Case Information

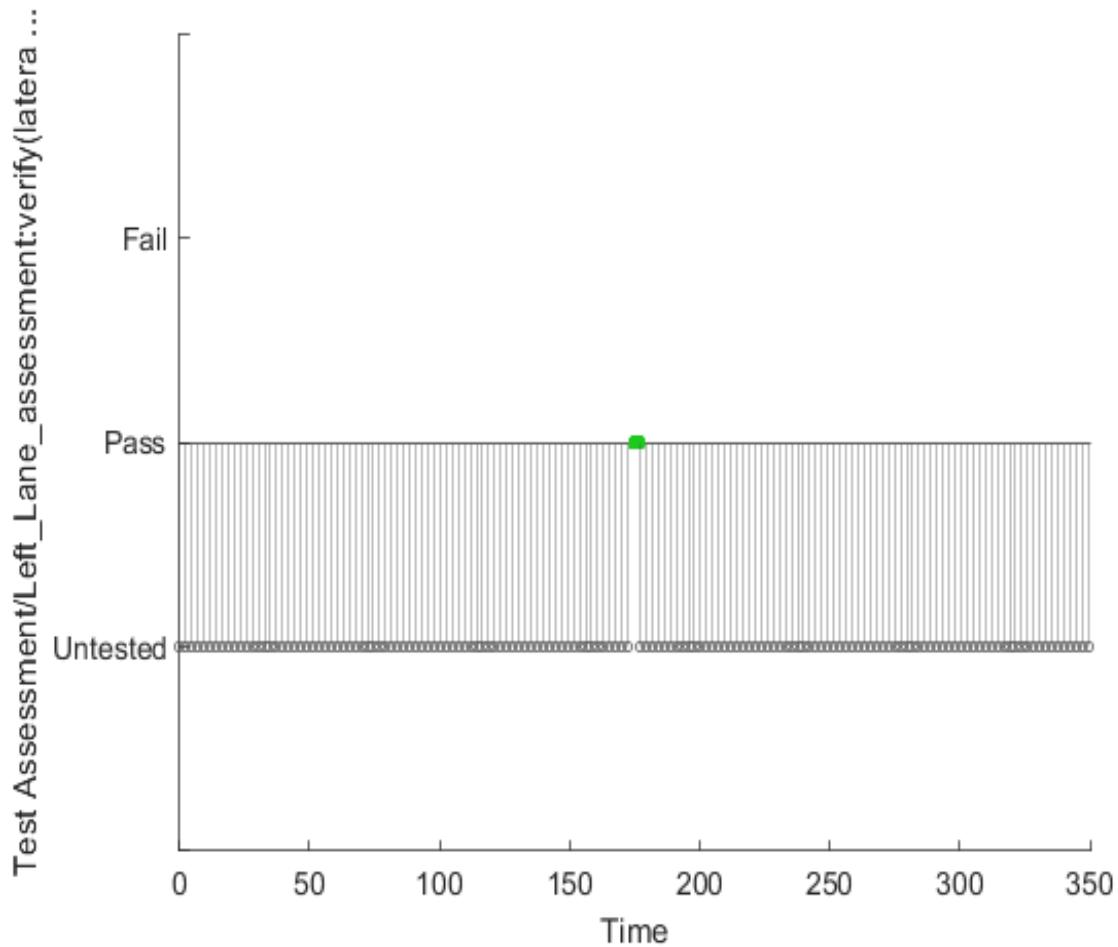
Name: -160° 30km/h  
Type: Simulation Test

## Verify Result

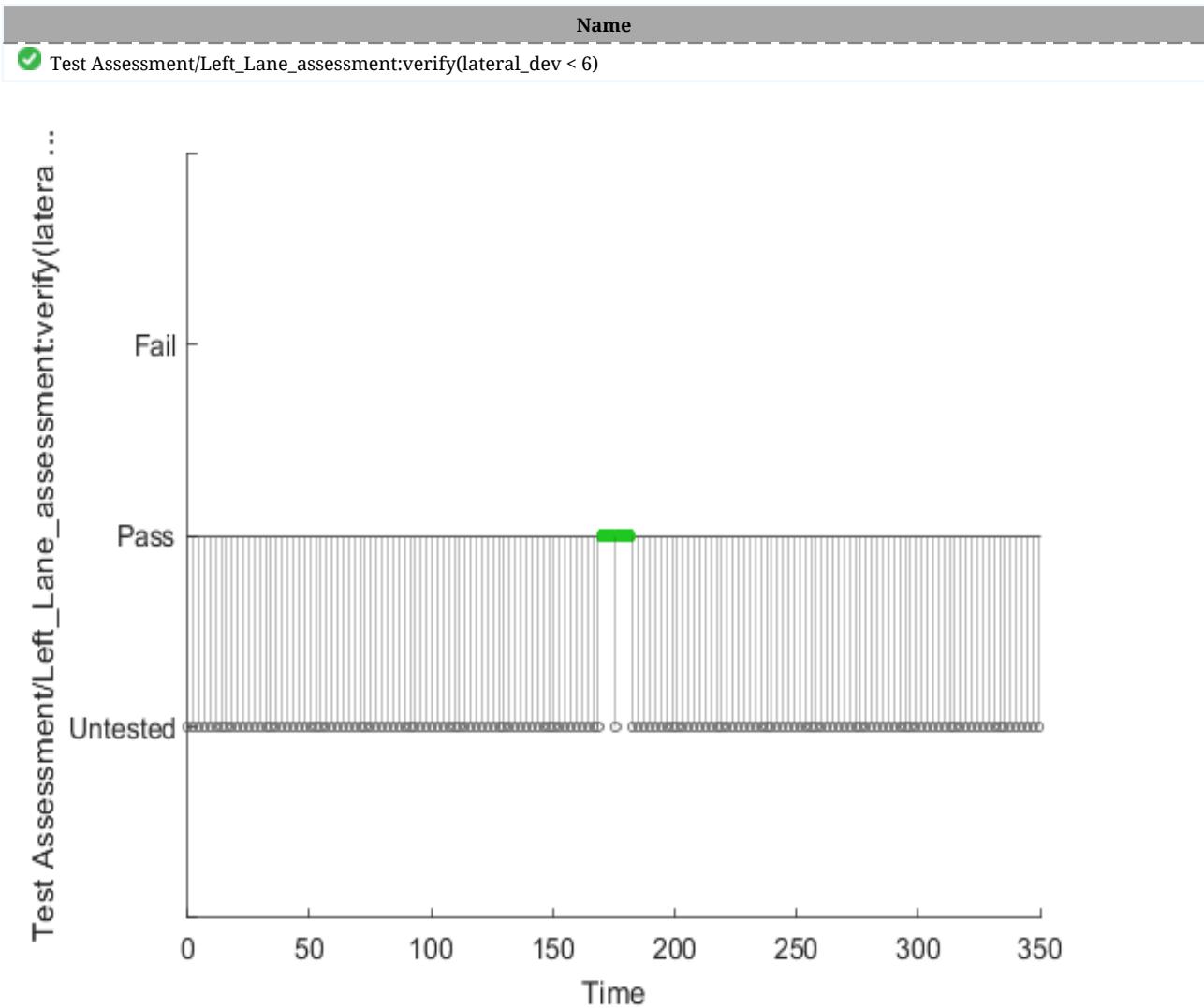
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

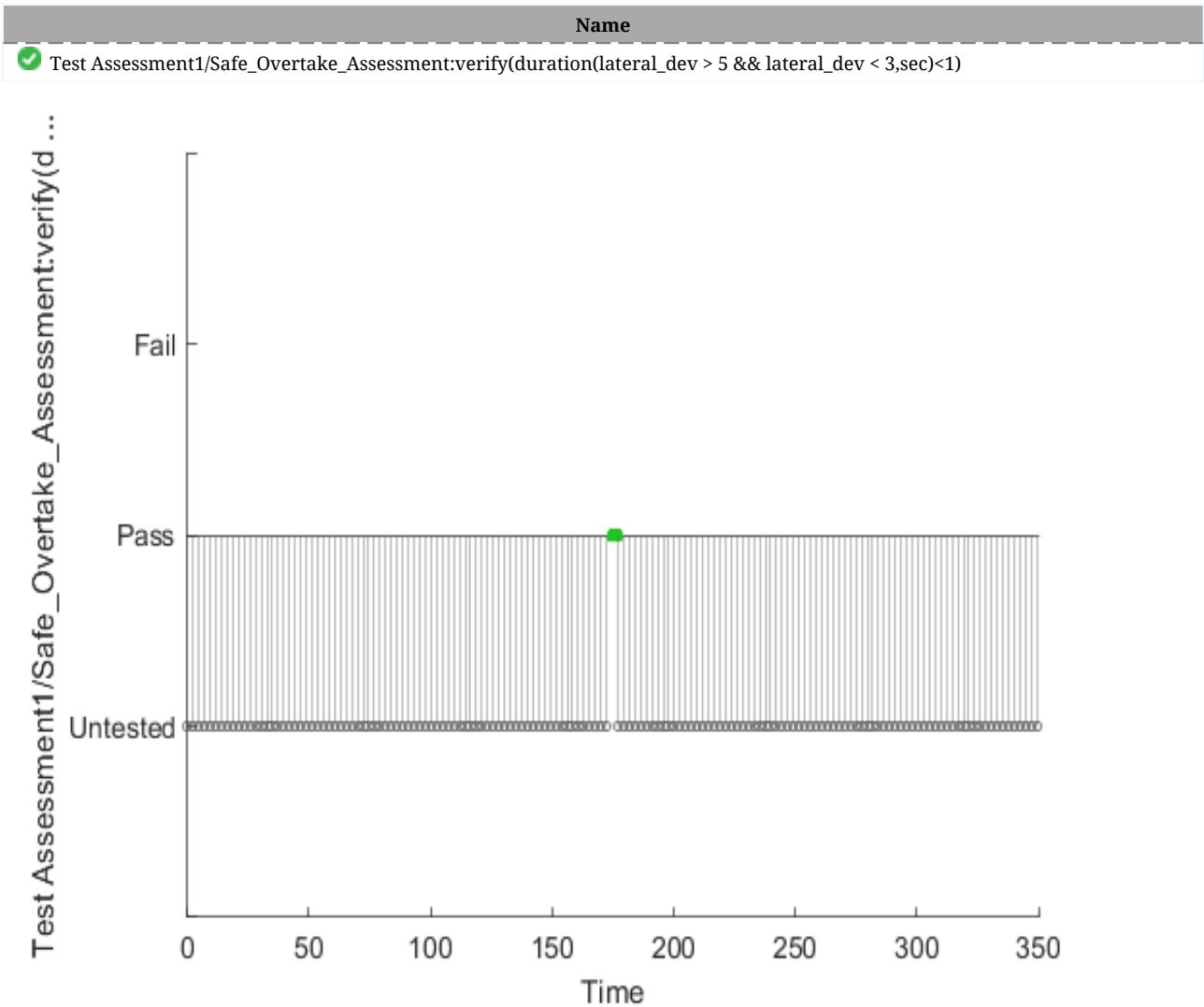
✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



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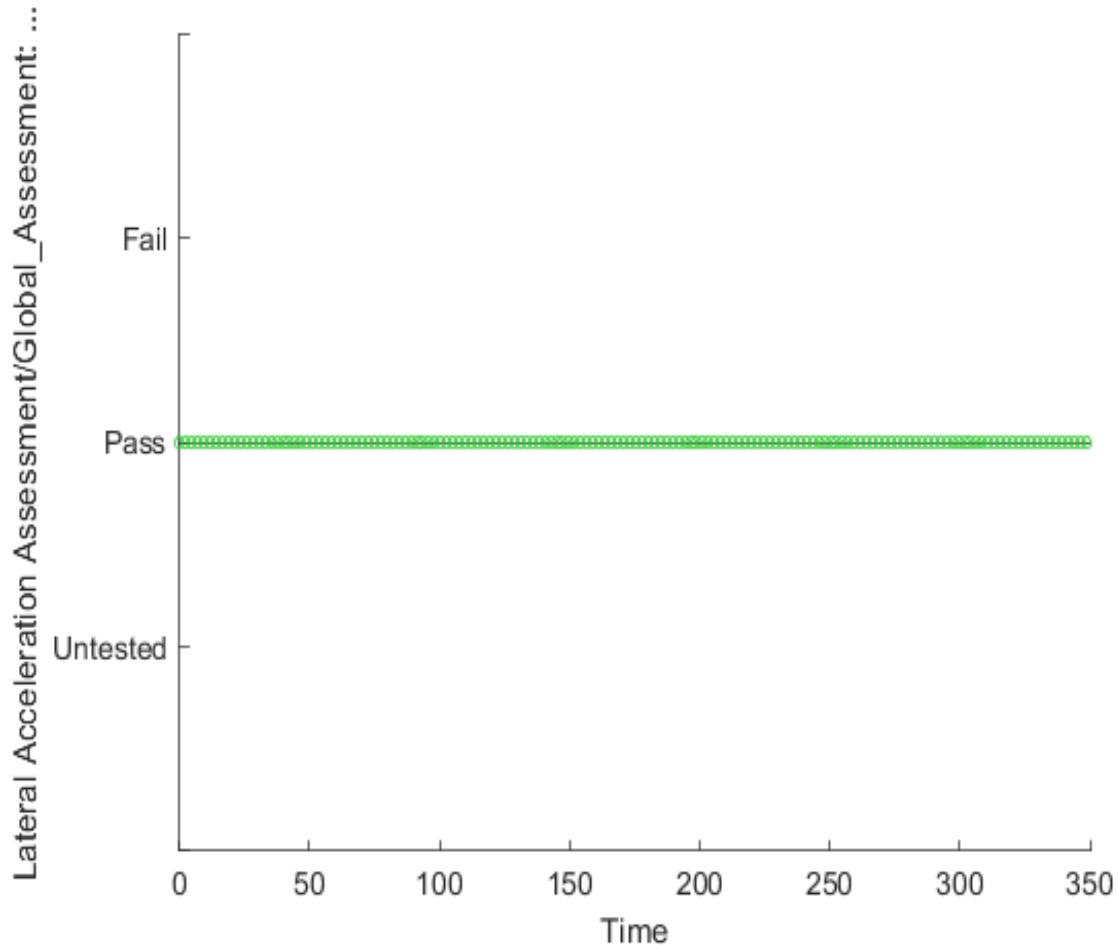


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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

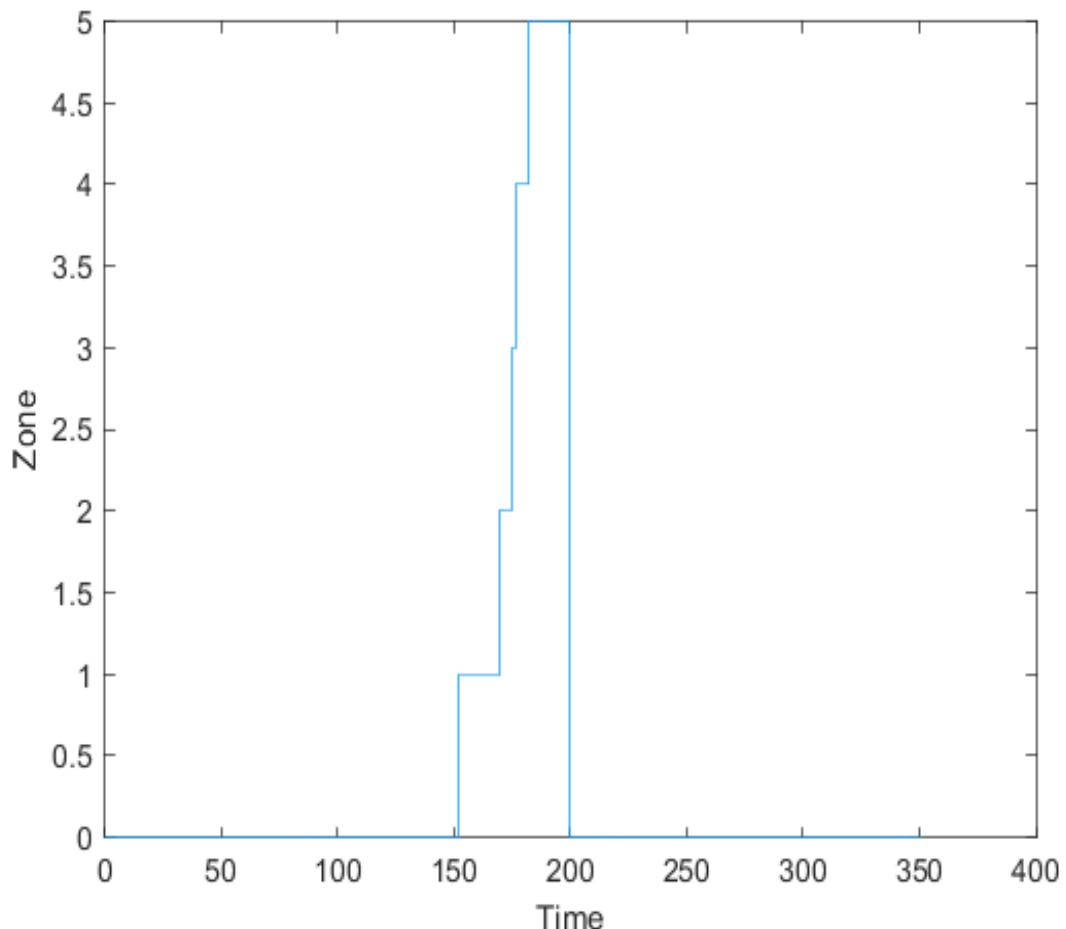
Start Time: 0  
Stop Time: 350.80269326218121  
Checksum: 452172243 3280721110 1263425972 1203986333

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

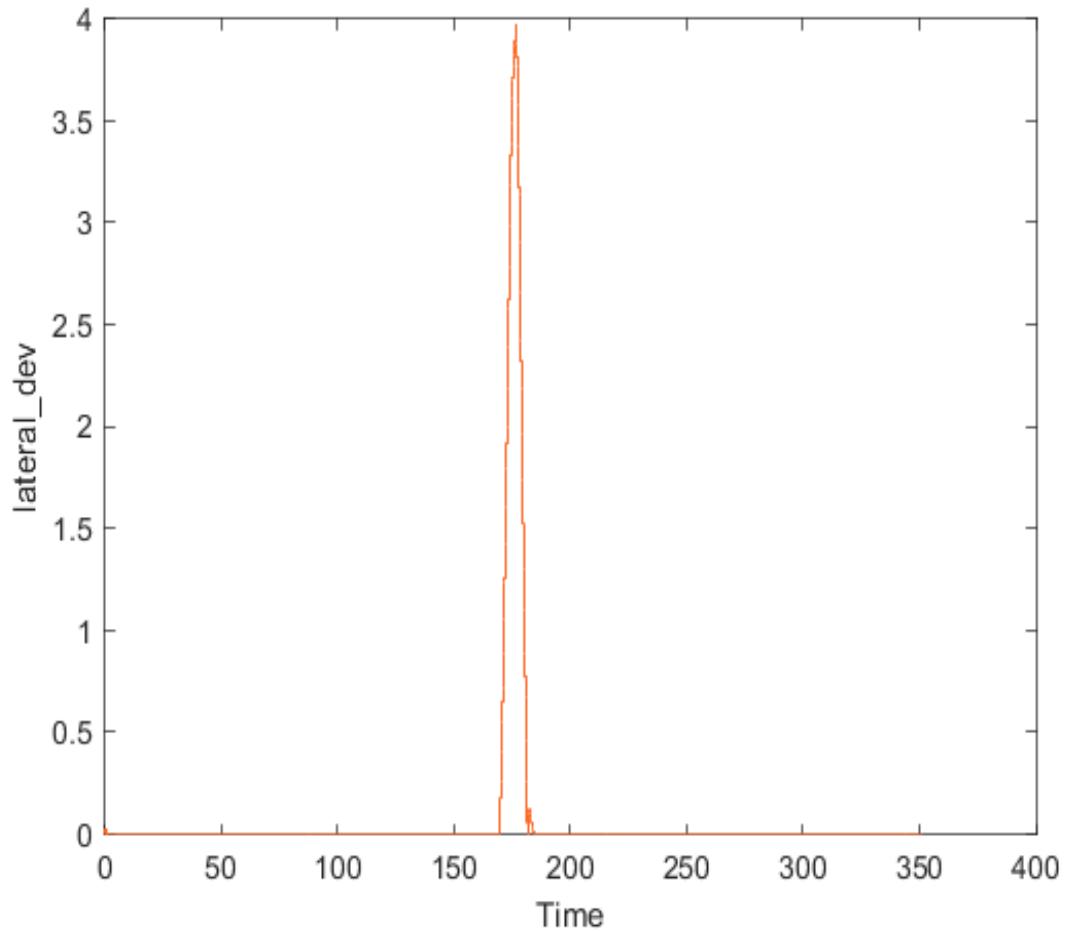
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 1000m curvature clockwise 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:54:46  
End Time: 19-May-2021 21:56:29  
Outcome: Passed

## Test Case Information

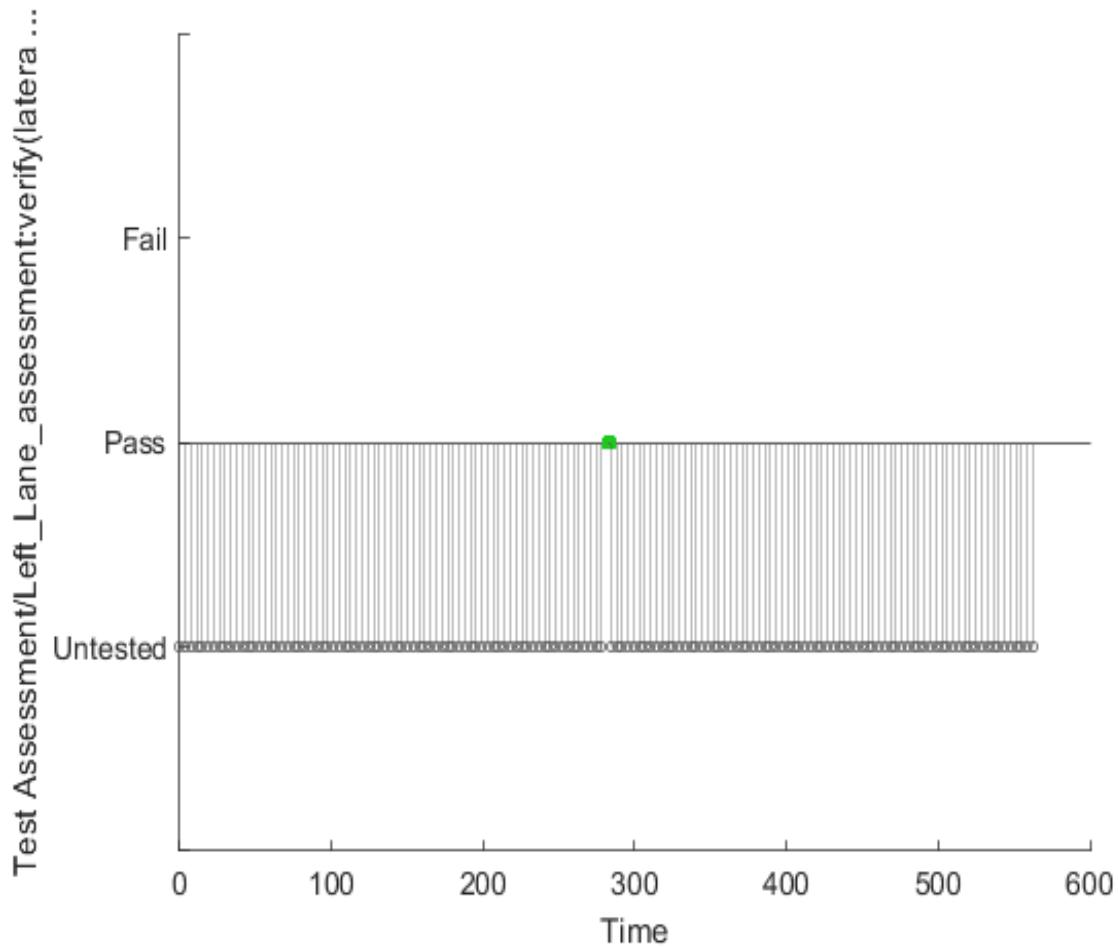
Name: 1000m curvature clockwise 30km/h  
Type: Simulation Test

## Verify Result

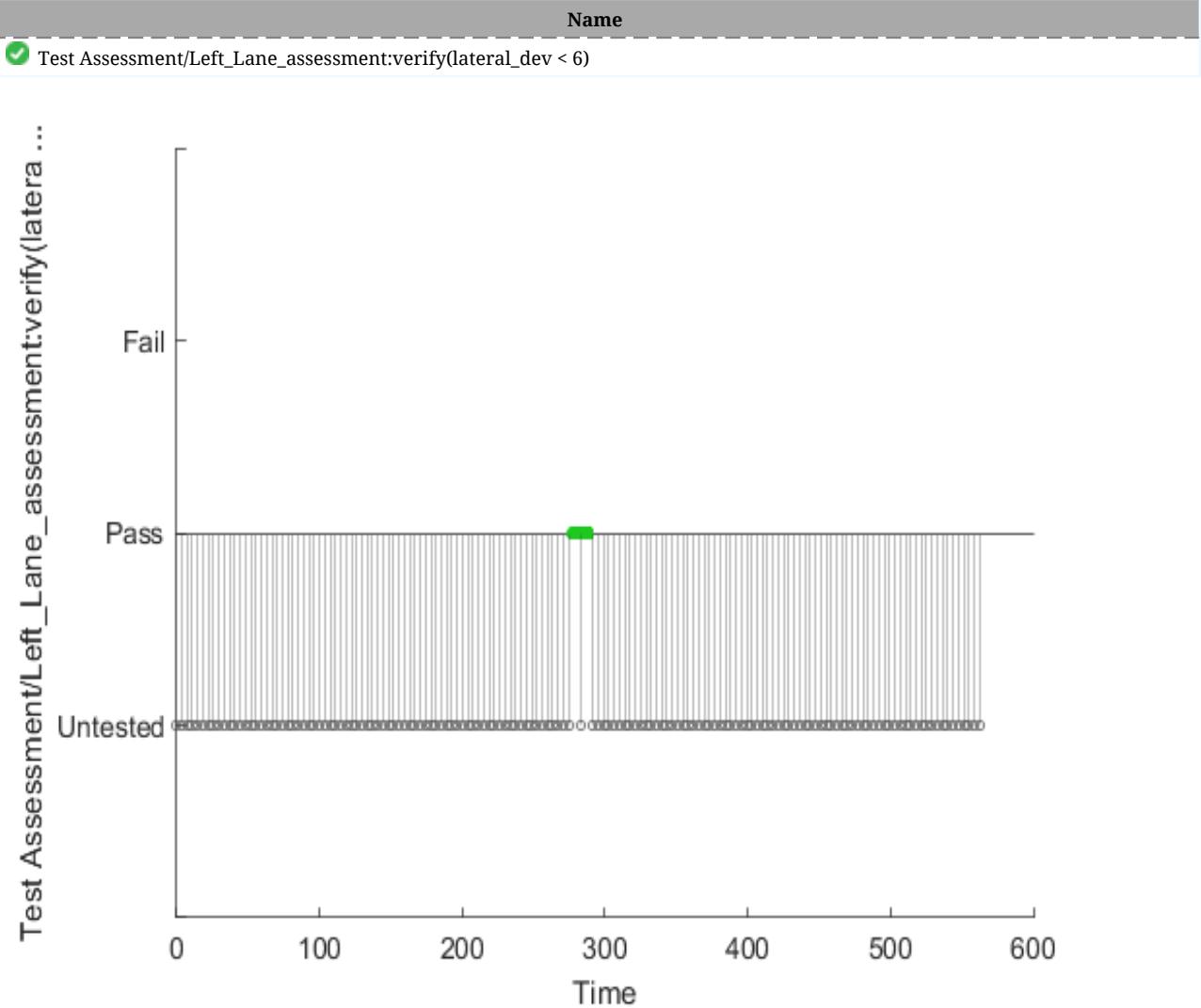
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



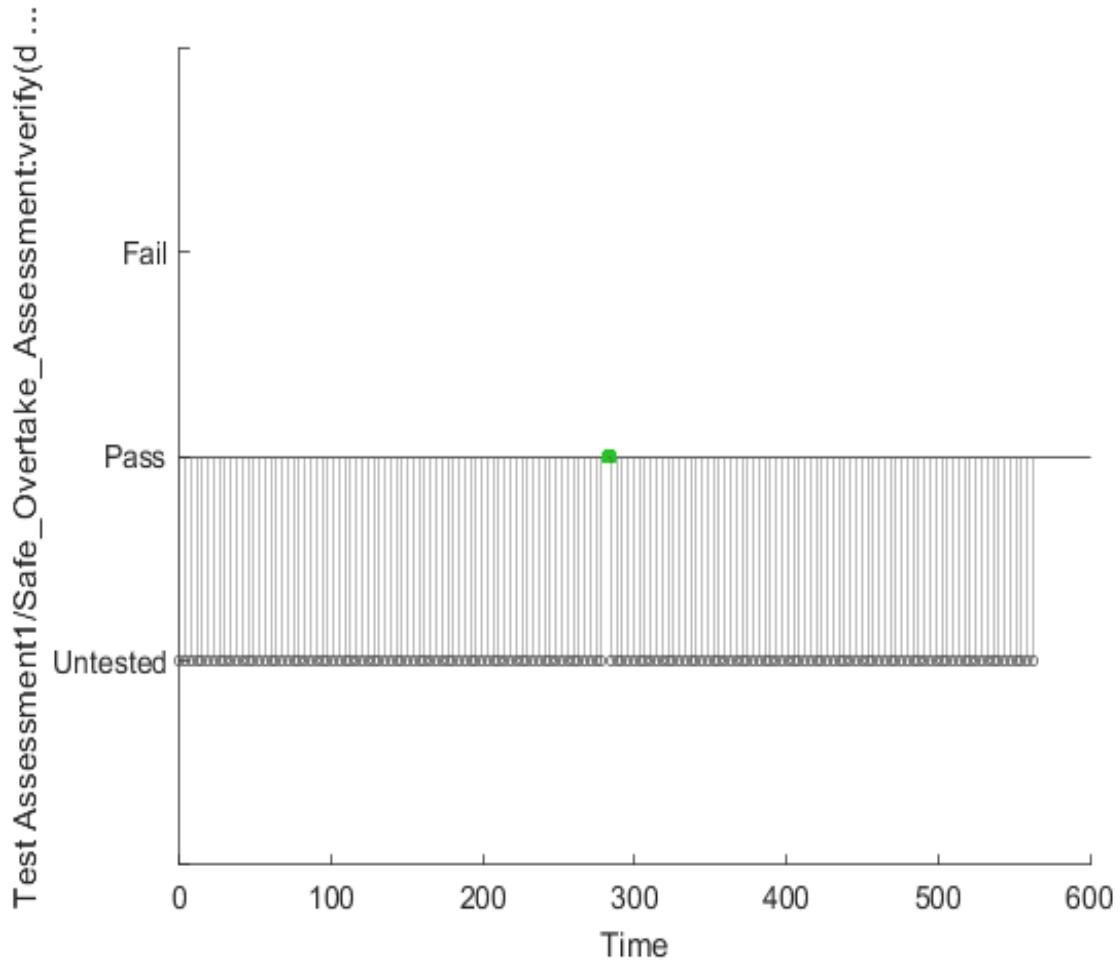
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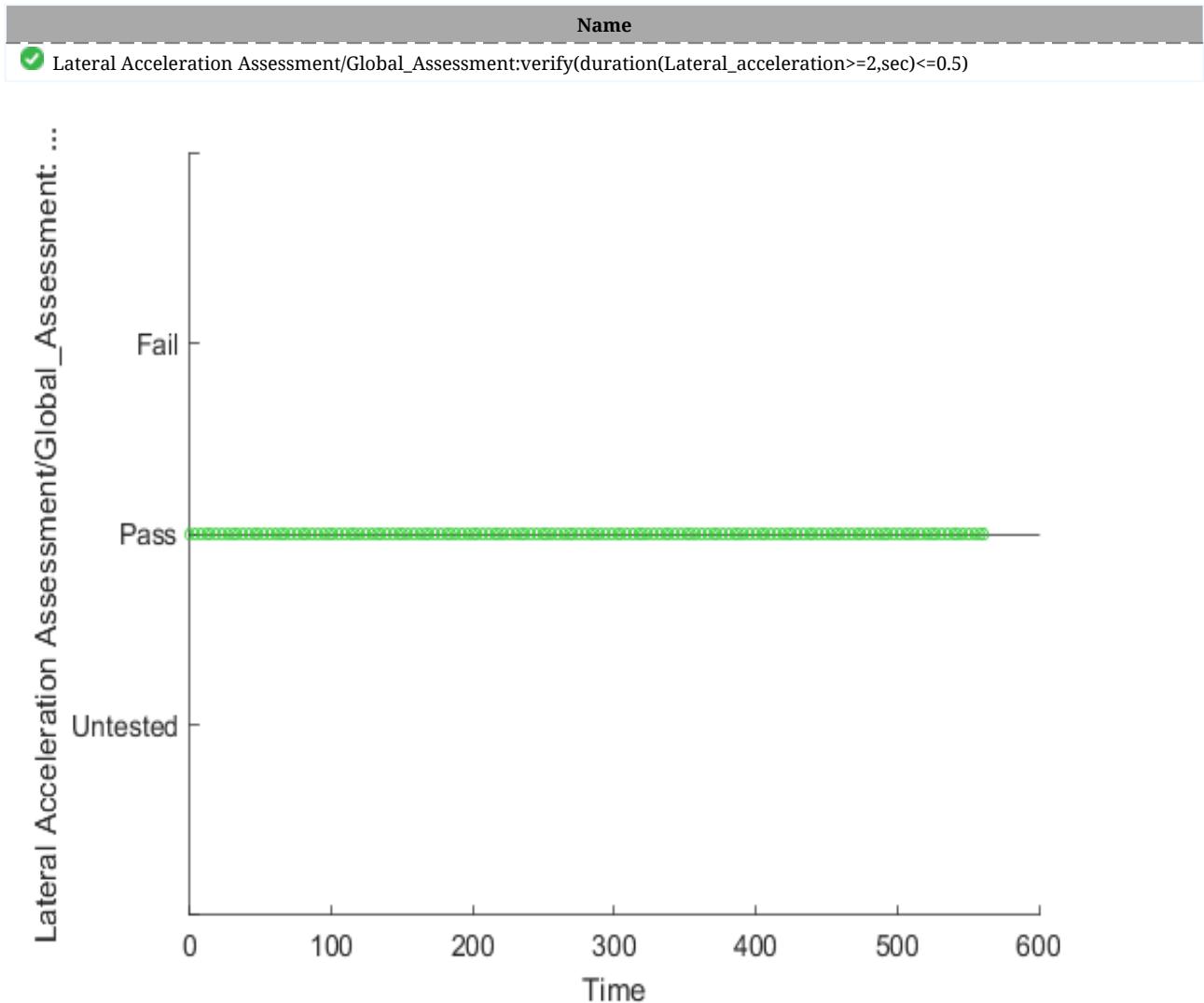
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

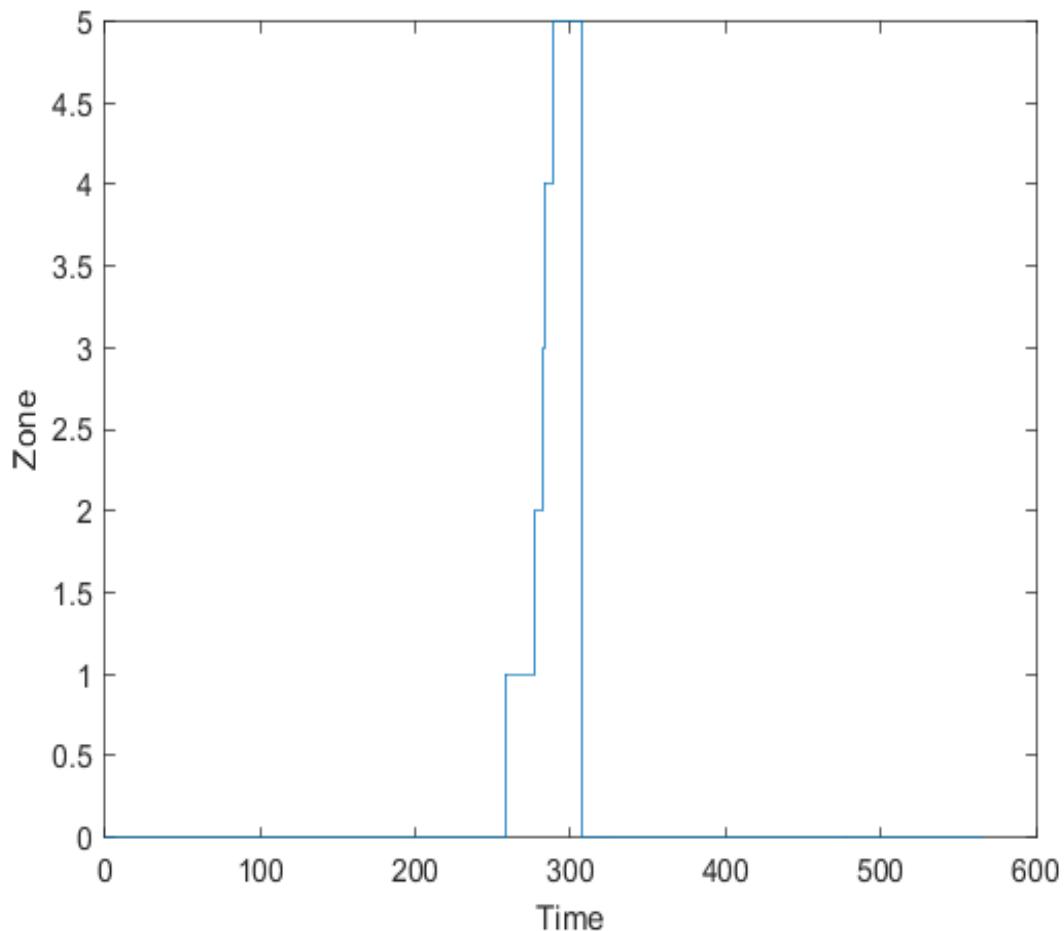
### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 565.49000000009937  
Checksum: 3073019547 1643996308 3443470216 1619239771

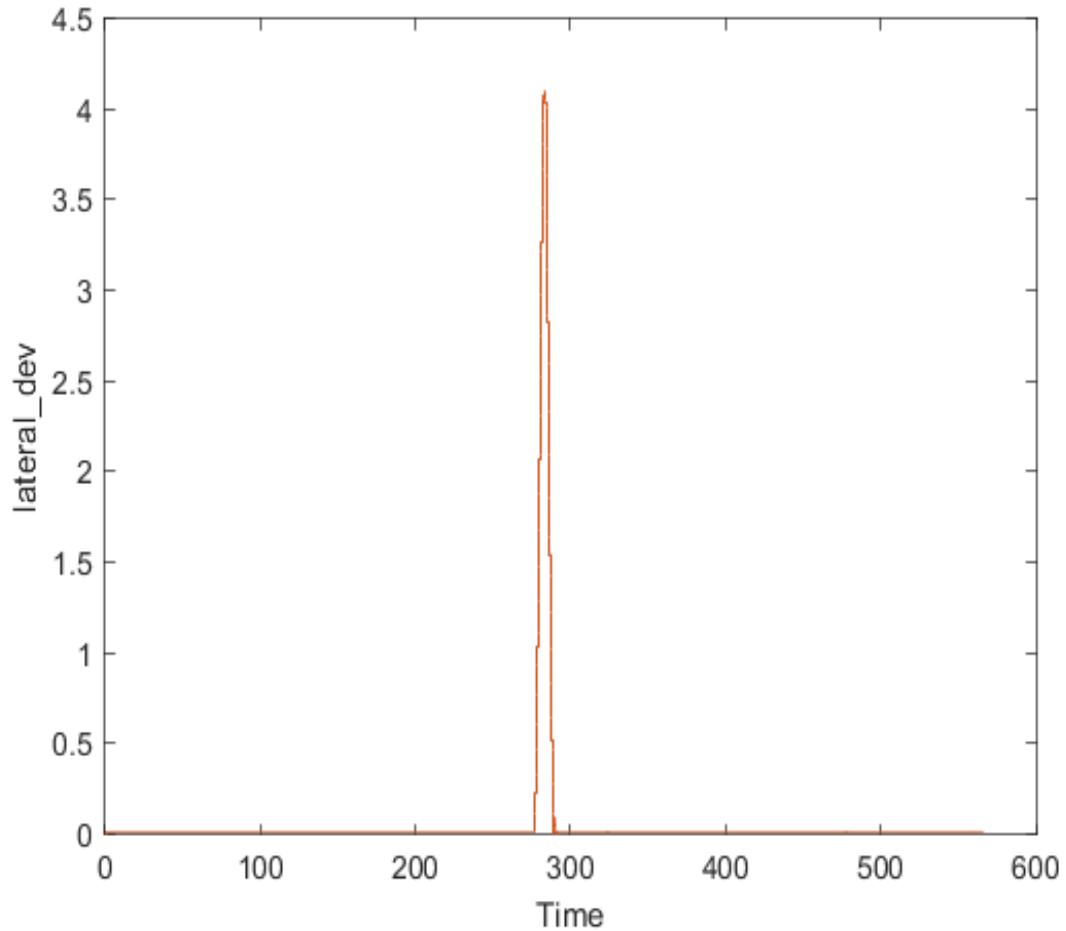
## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>
Name	Data Type	Units	Sample Time	Interp	Sync	
Zone	double		0.01	zoh	union	



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



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## 500m curvature clockwise 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:56:29  
End Time: 19-May-2021 21:57:07  
Outcome: Passed

## Test Case Information

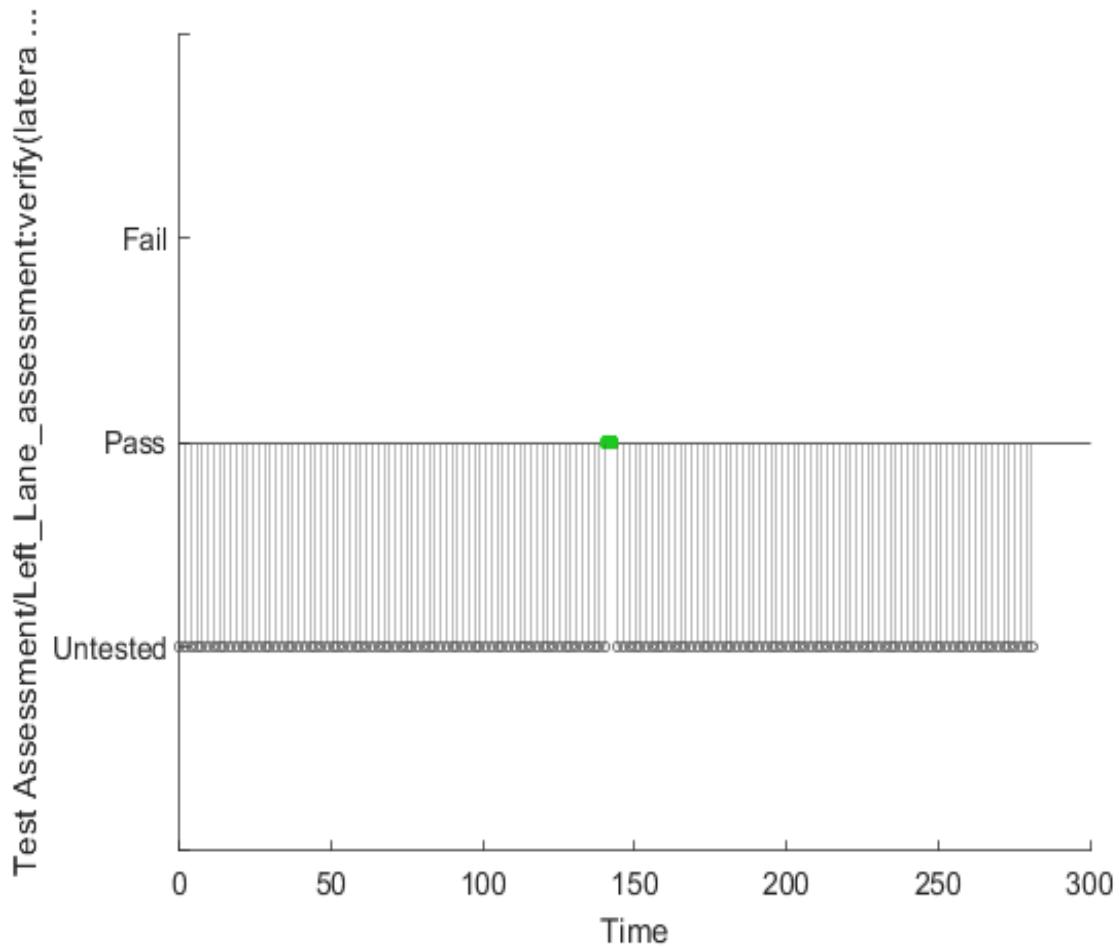
Name: 500m curvature clockwise 30km/h  
Type: Simulation Test

## Verify Result

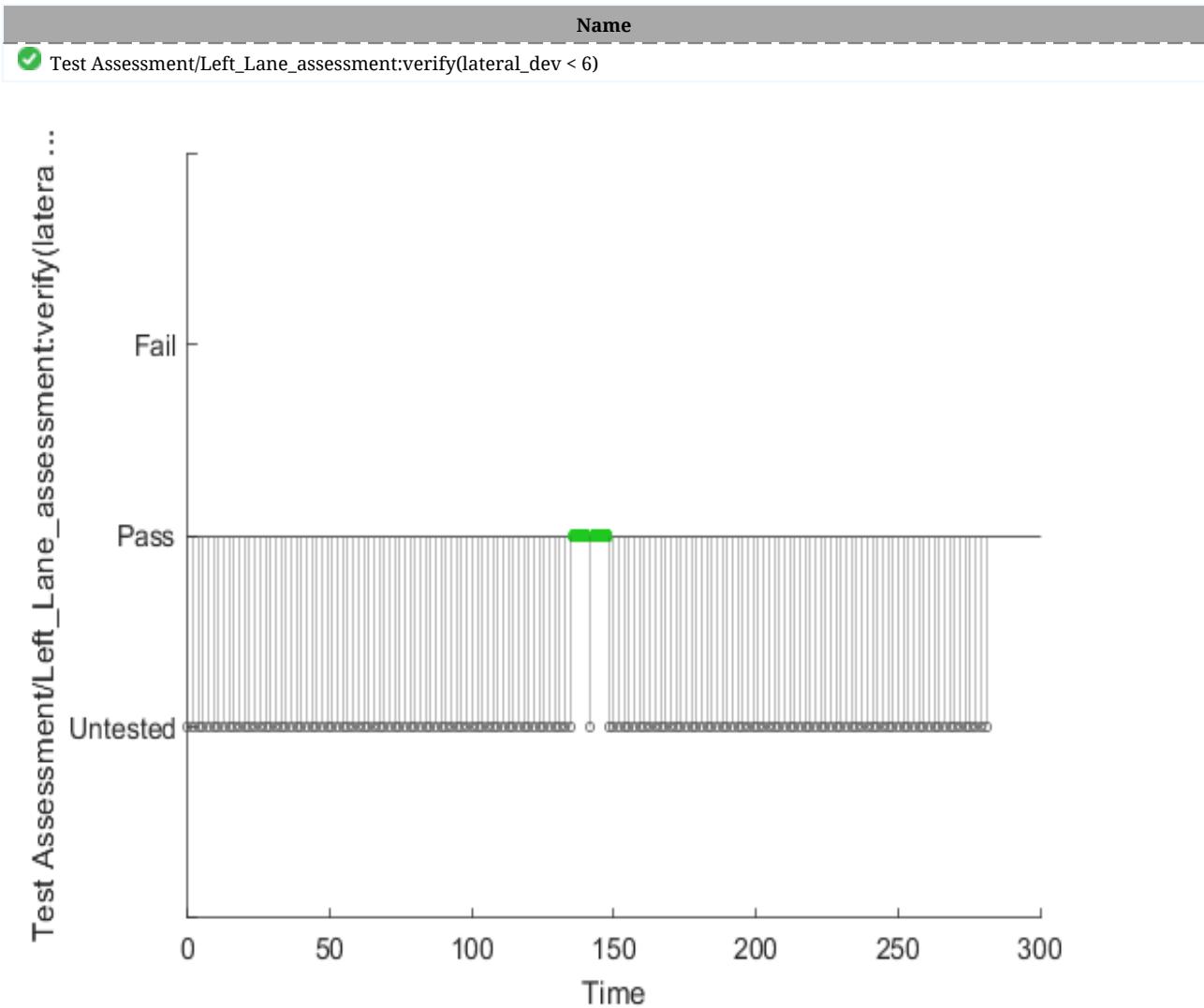
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



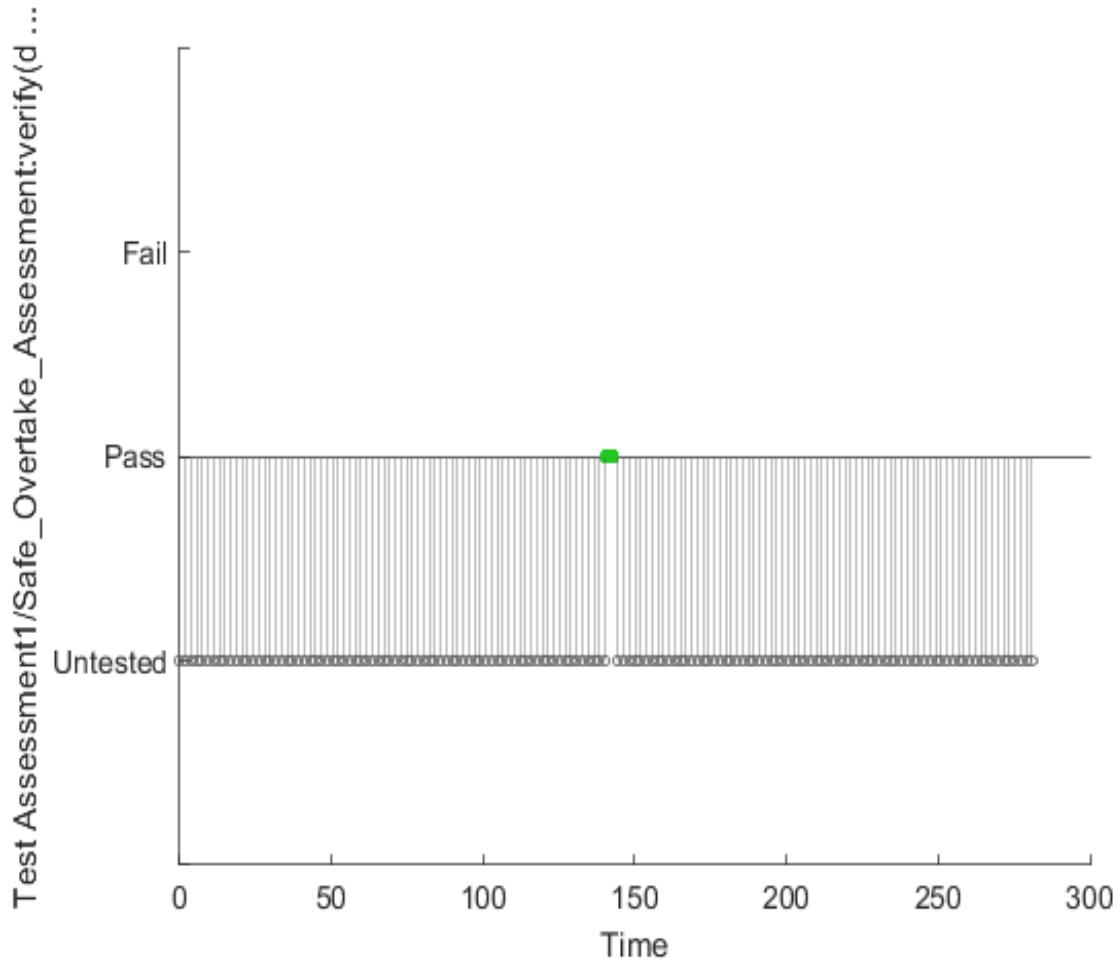
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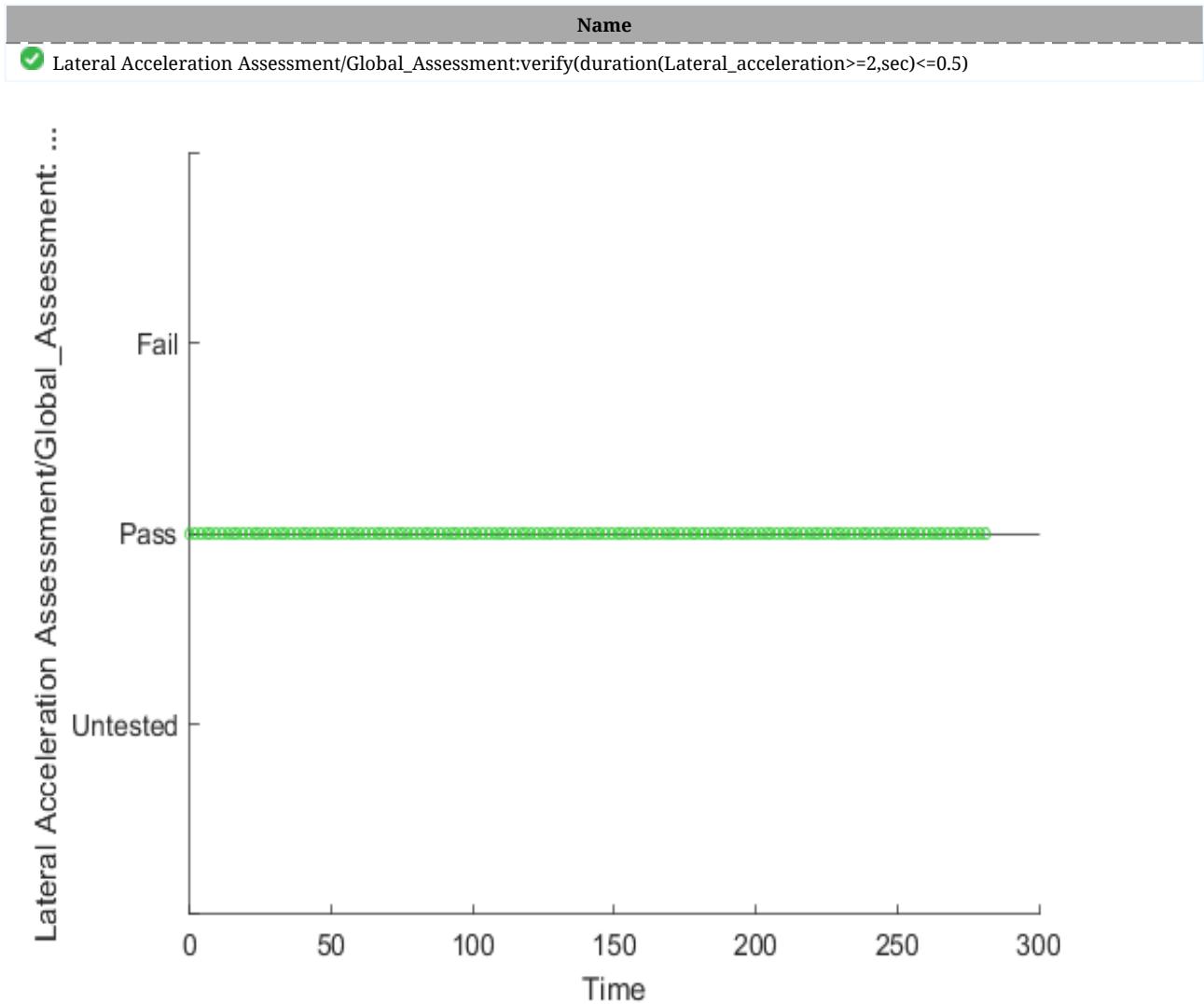
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

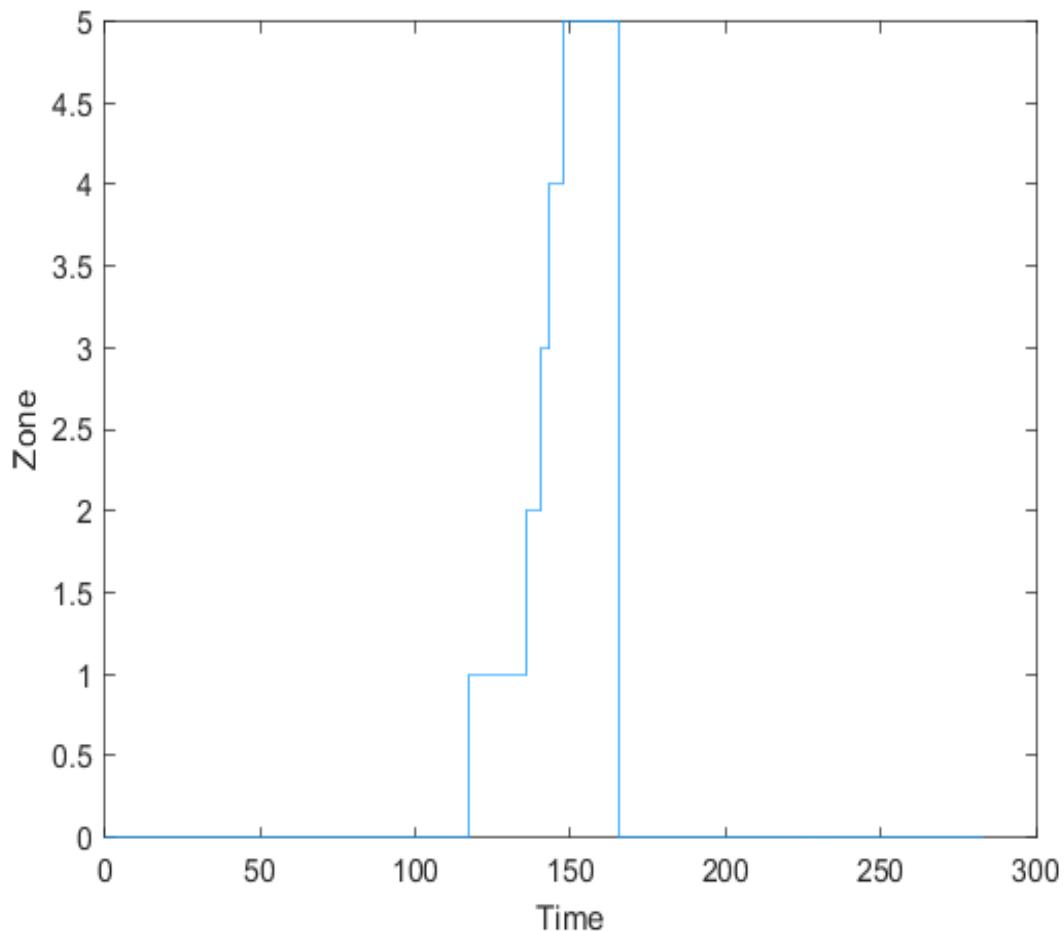
### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 282.74999999997601  
Checksum: 1103467515 704435013 659023340 3397181642

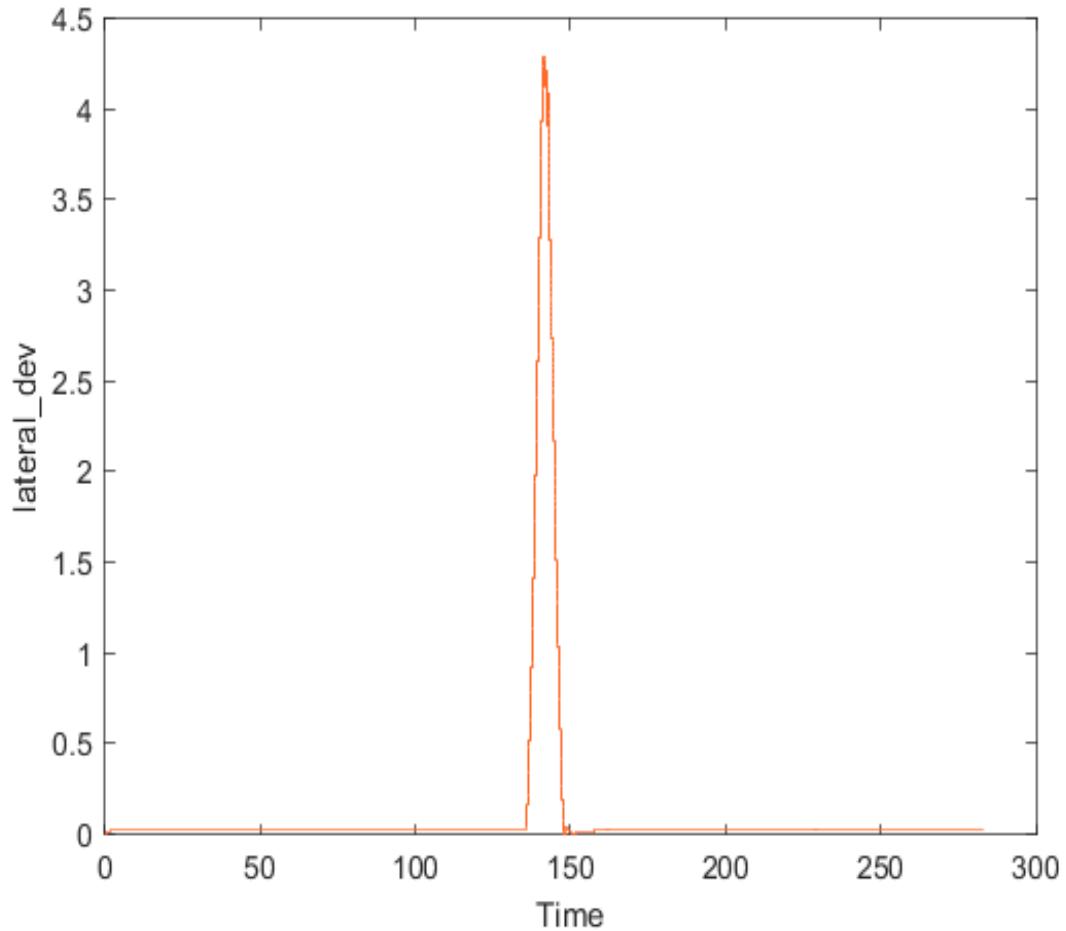
## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>
Name	Data Type	Units	Sample Time	Interp	Sync	
Zone	double		0.01	zoh	union	



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



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## 300m curvature clockwise 30km/h

### Test Result Information

Result Type:

Test Case Result

Parent:

[Single\\_static\\_obstacle\\_30km/h](#)

Start Time: 19-May-2021 21:57:07  
End Time: 19-May-2021 21:57:32  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

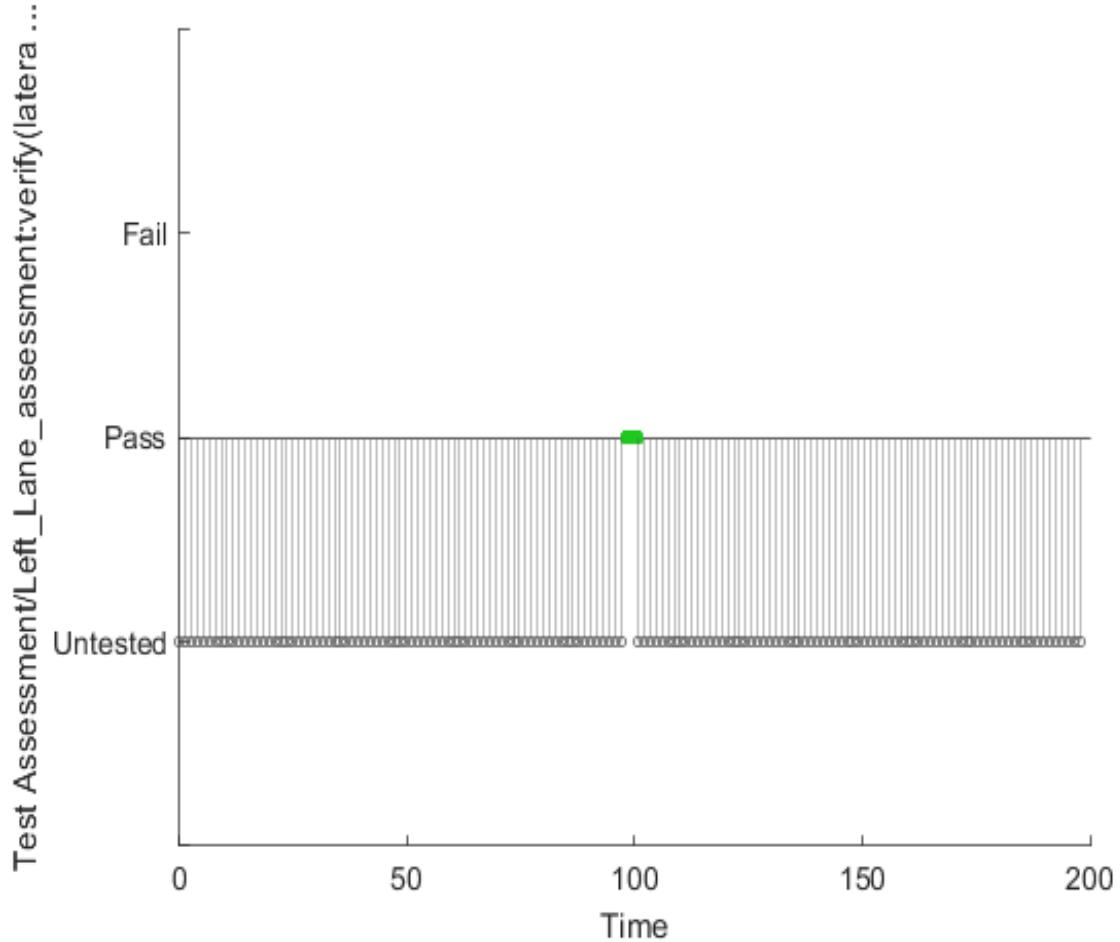
Name: 300m curvature clockwise 30km/h  
Type: Simulation Test

## Verify Result

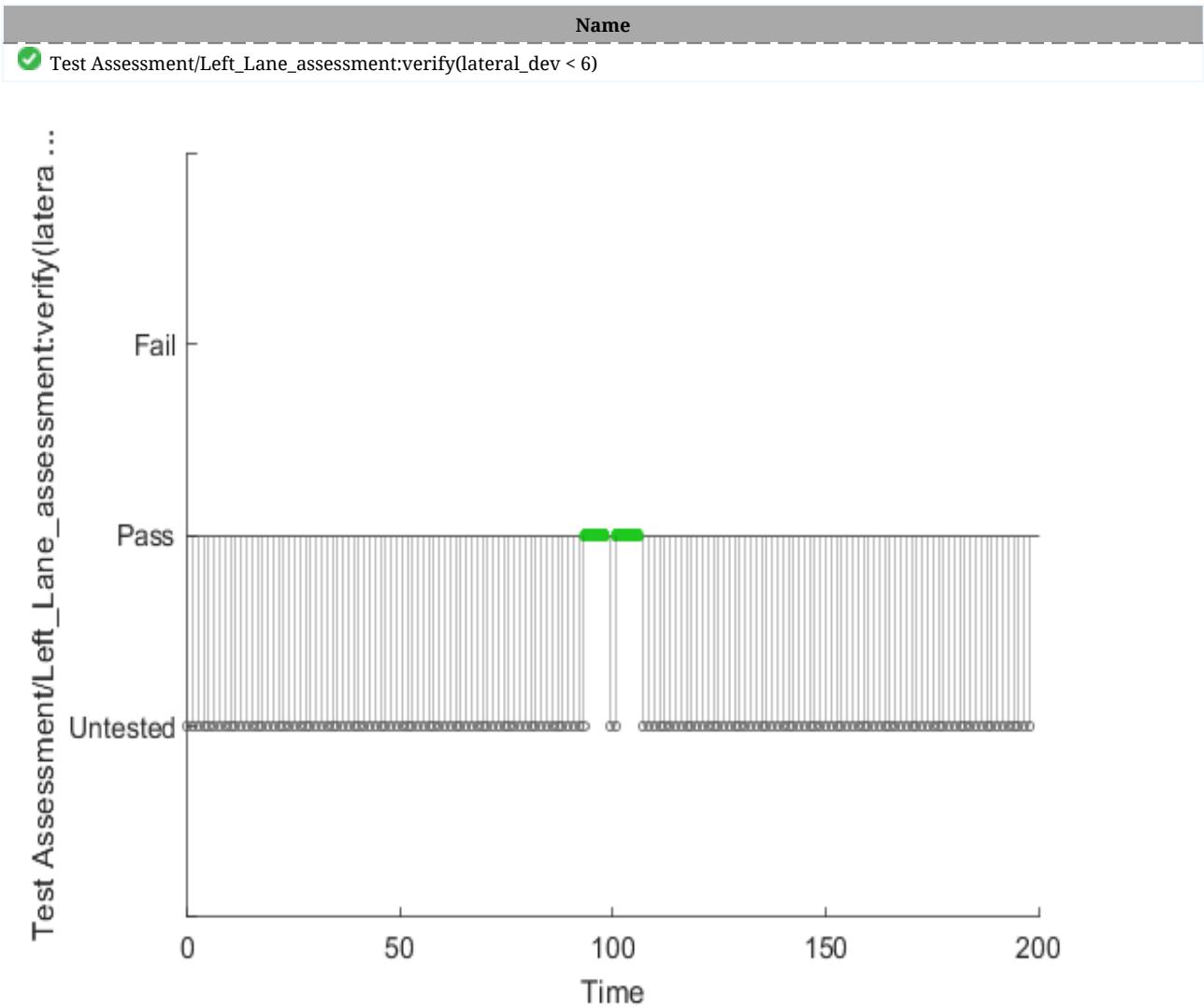
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



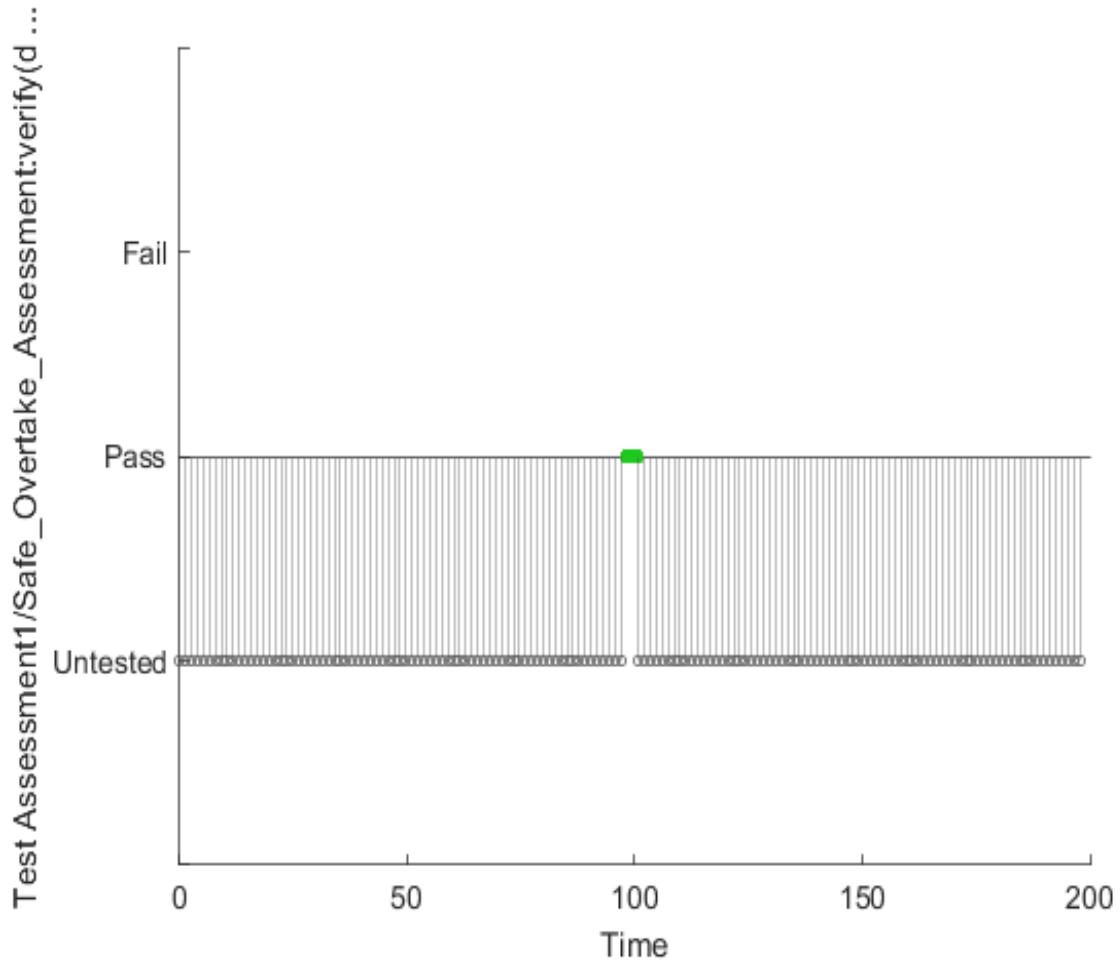
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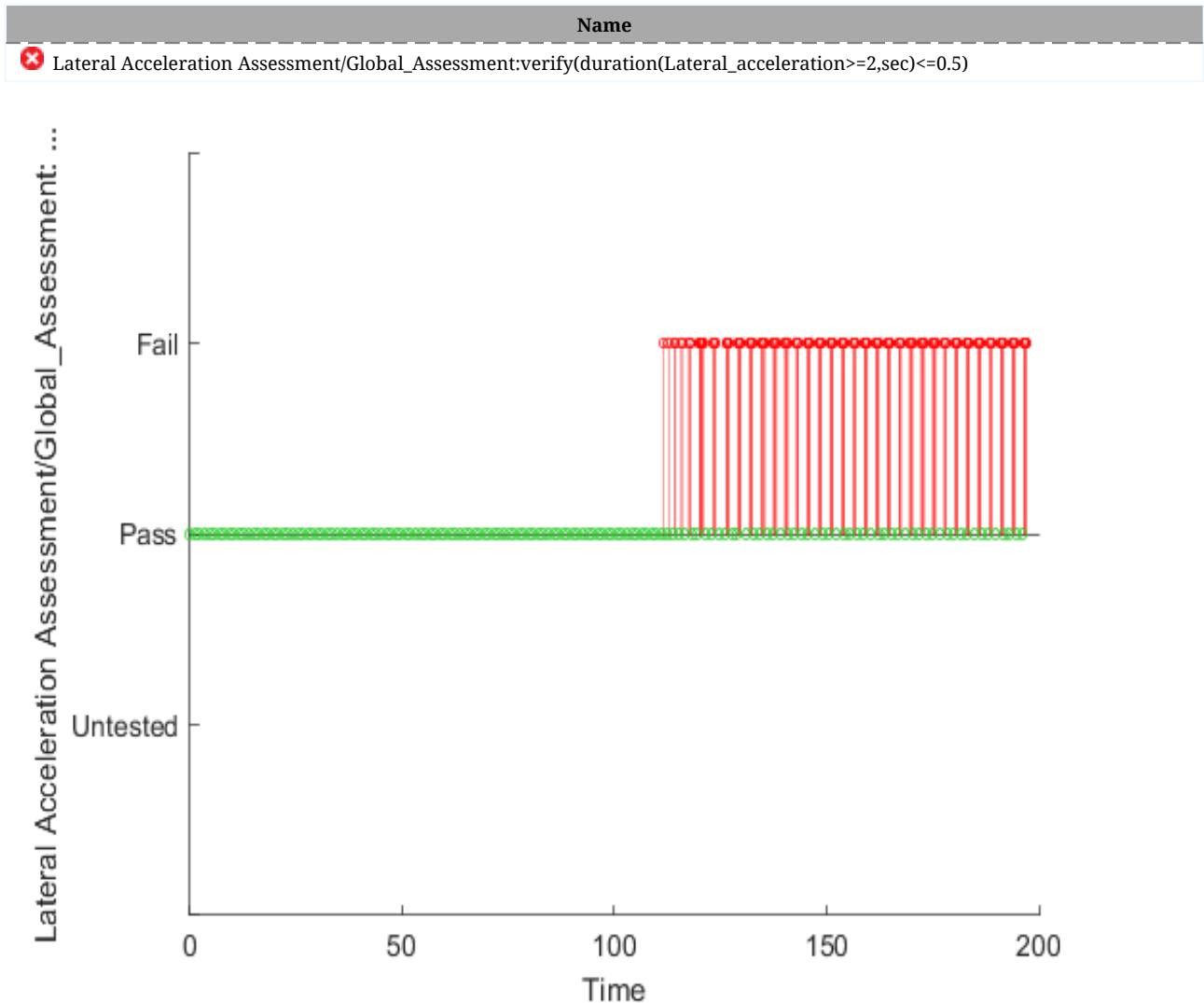
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

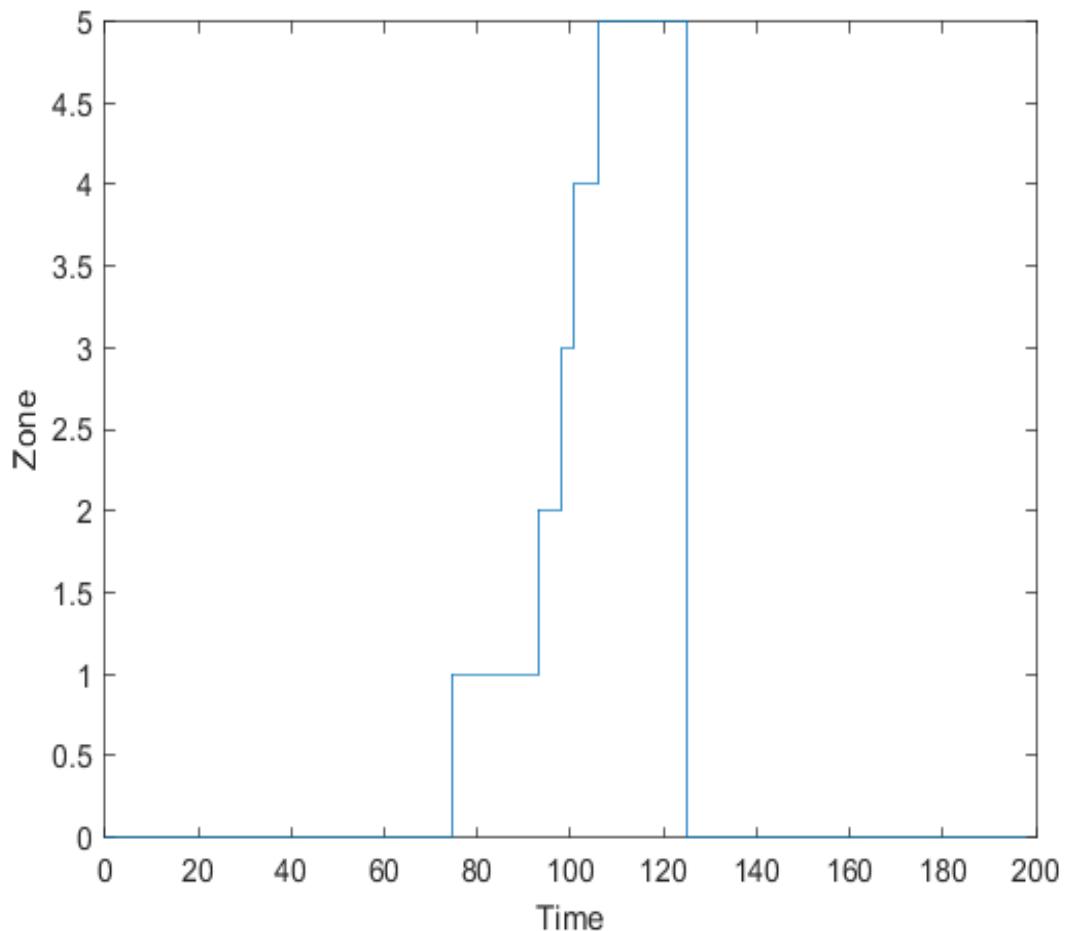
Start Time: 0  
Stop Time: 197.92999999994643  
Checksum: 3635343386 436586035 1524628536 4026730730

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

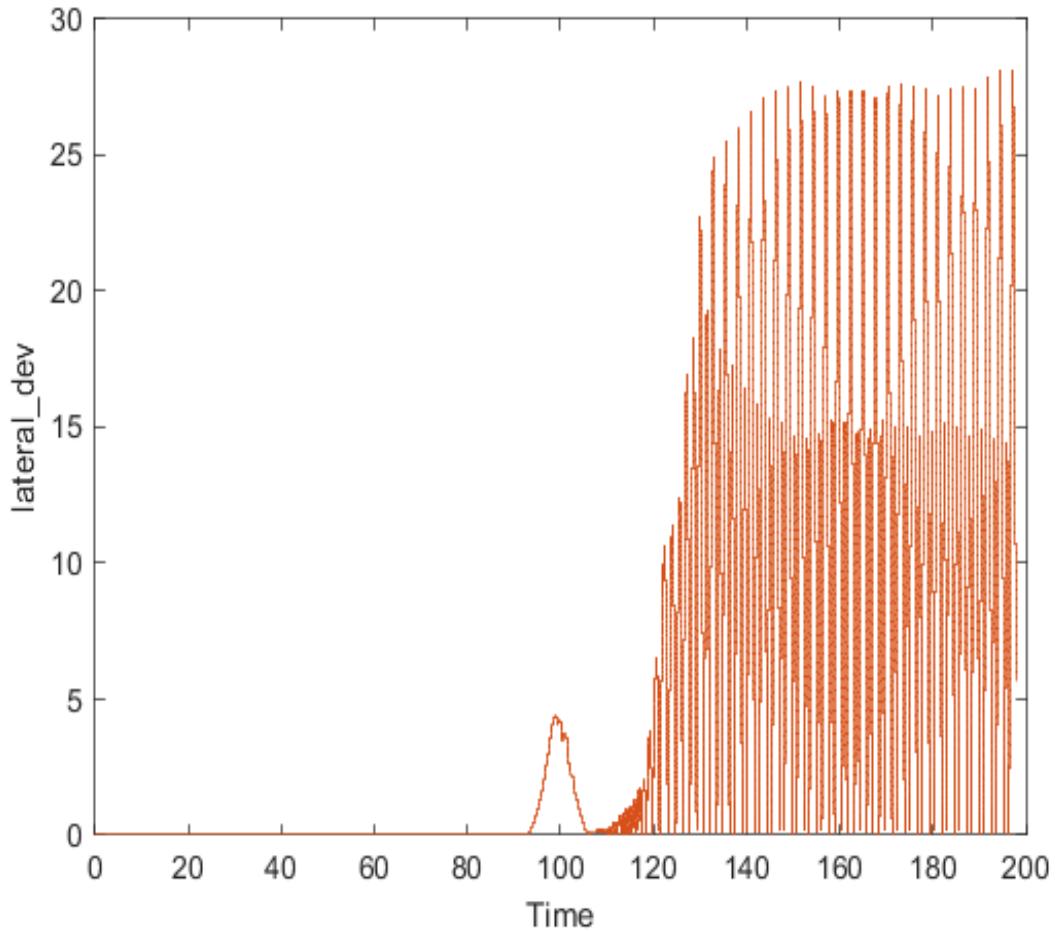
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 300m curvature counterclockwise 30k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 30km/h](#)  
Start Time: 19-May-2021 21:57:32  
End Time: 19-May-2021 21:58:16  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Test Case Information

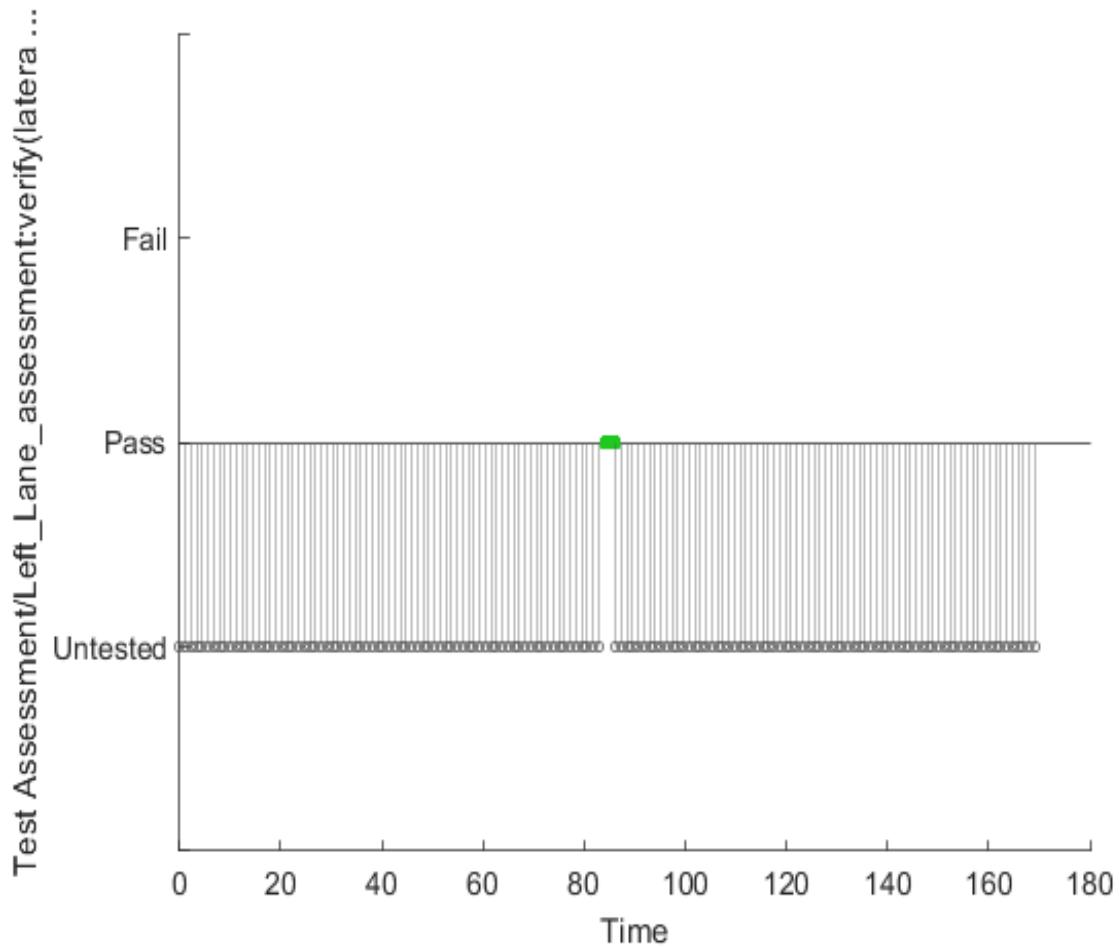
Name: 300m curvature counterclockwise 30km/h  
Type: Simulation Test

## Verify Result

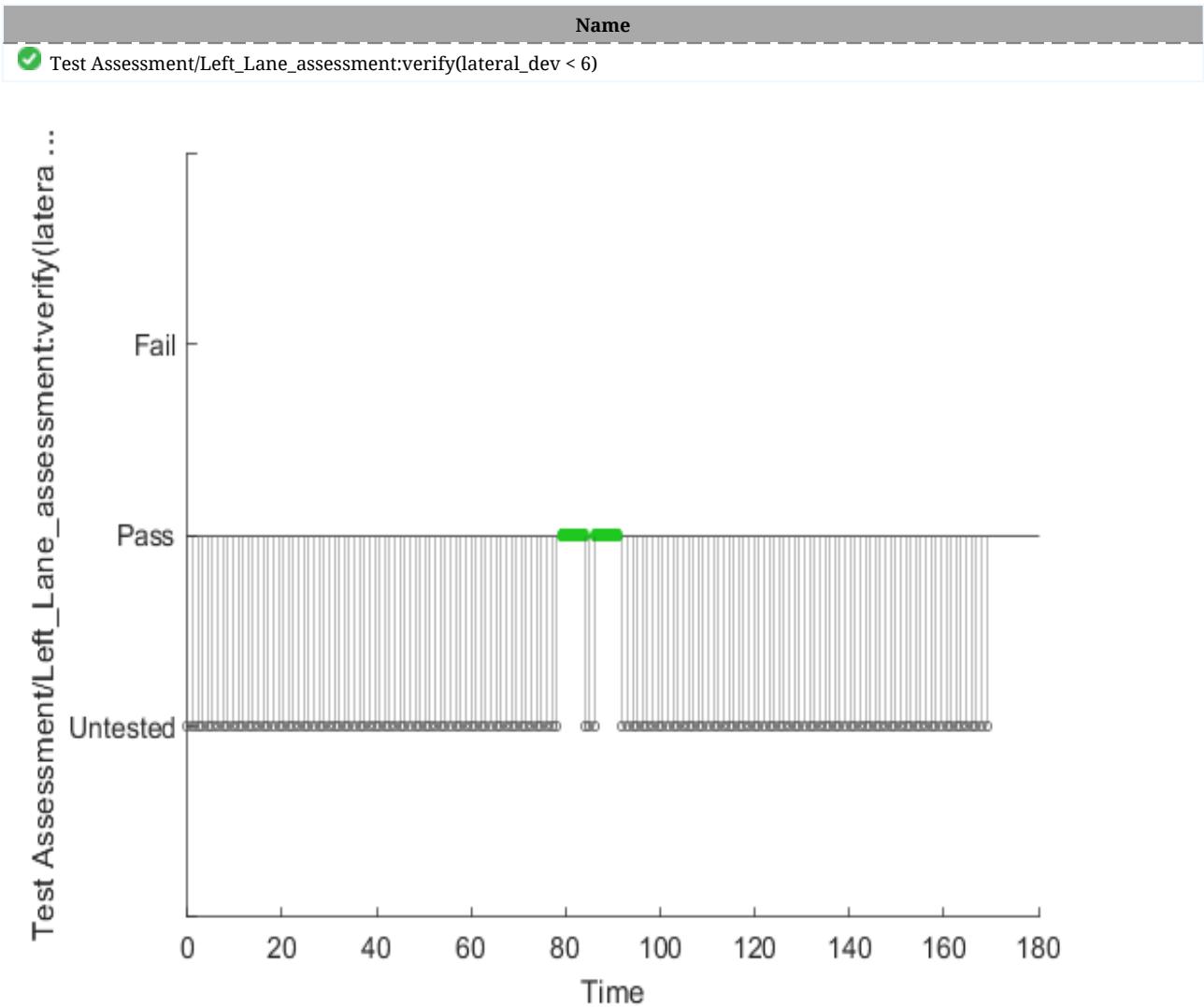
Name	Link to Plot
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
✓ Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
✓ Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



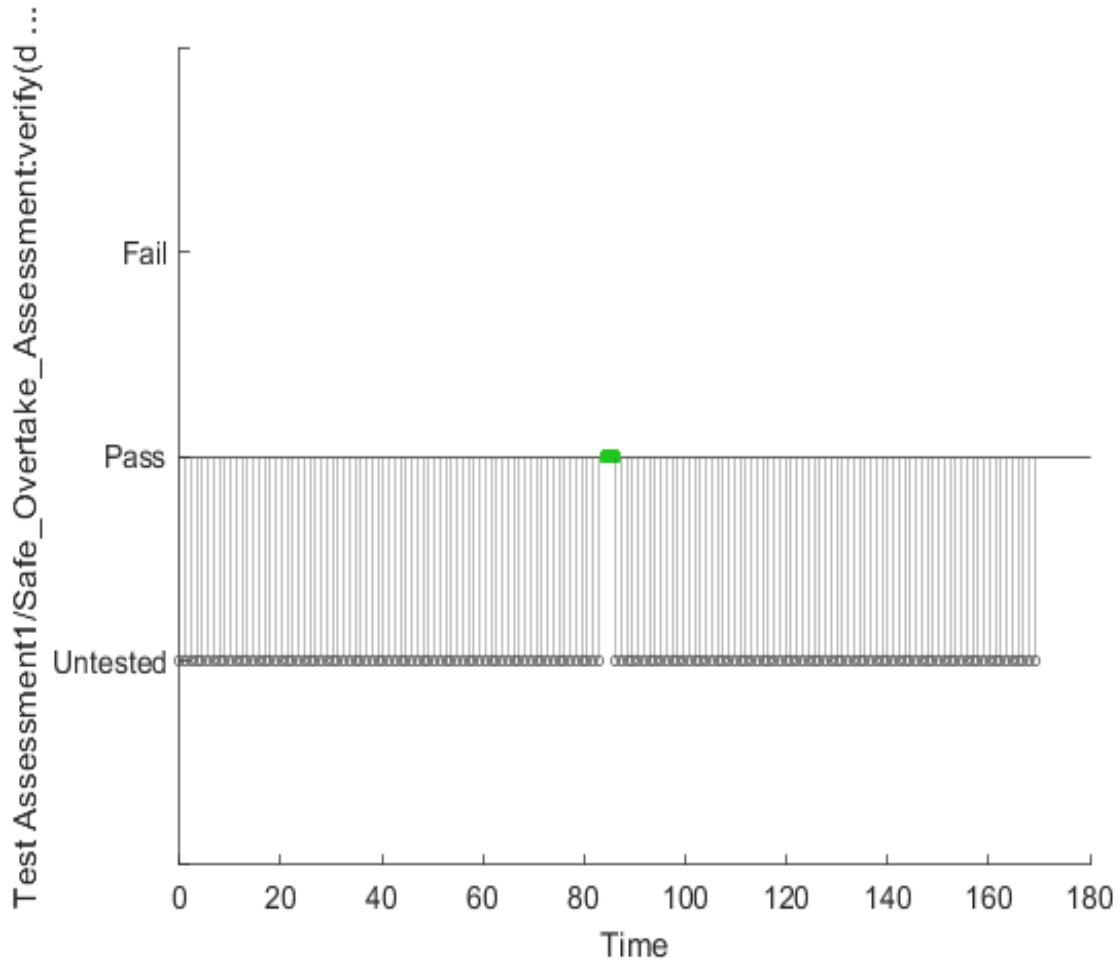
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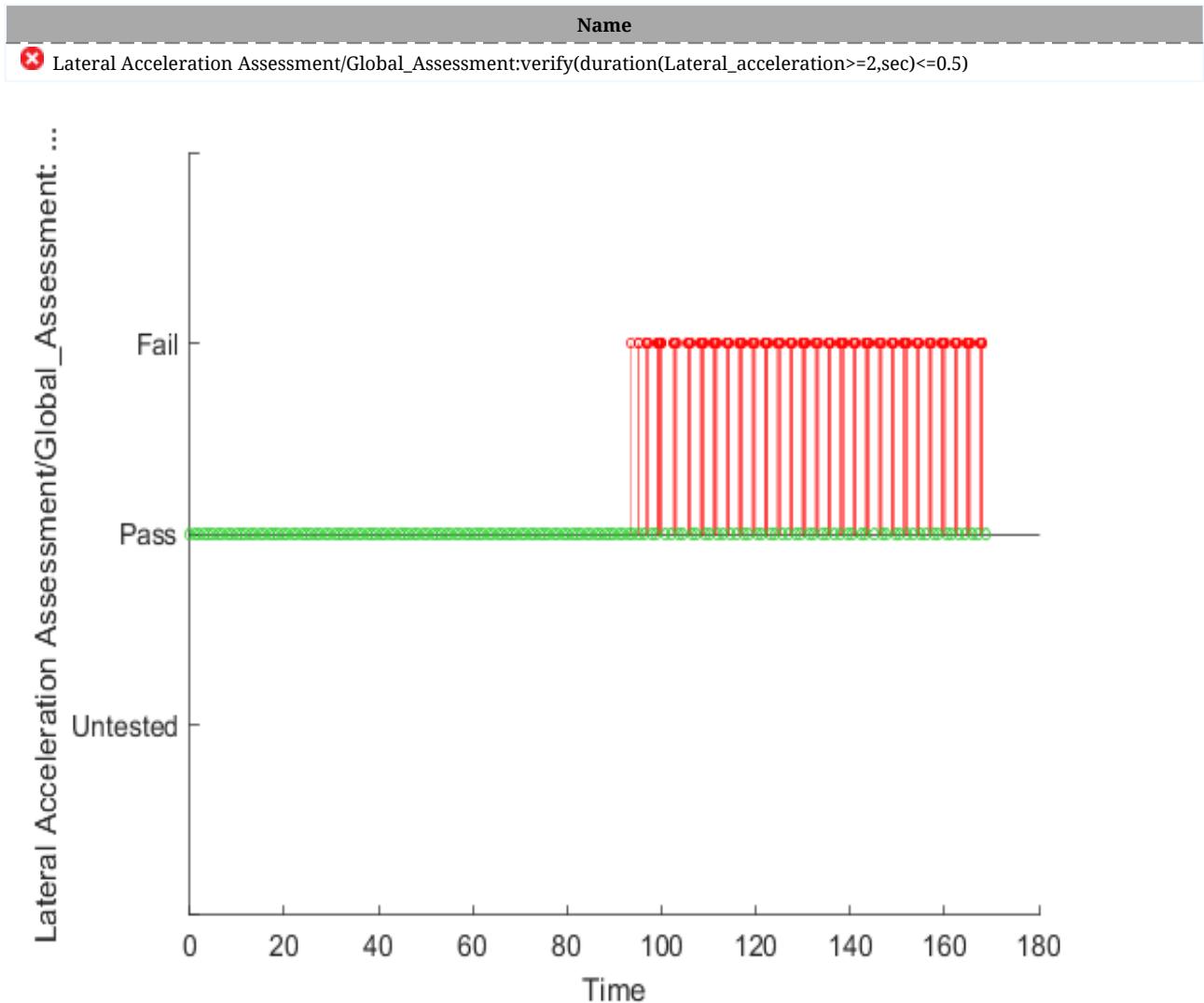
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

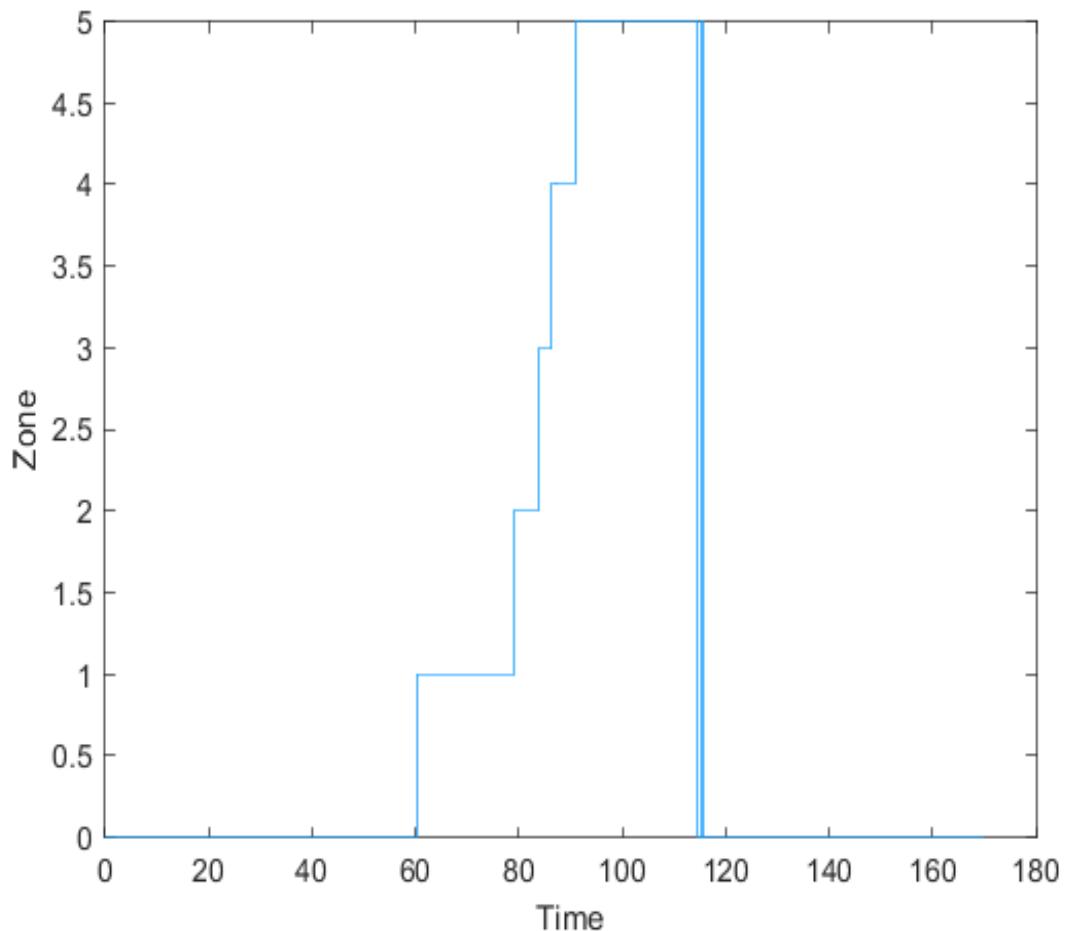
Start Time: 0  
Stop Time: 169.64999999997531  
Checksum: 1020300848 1227742577 3582061001 971098957

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

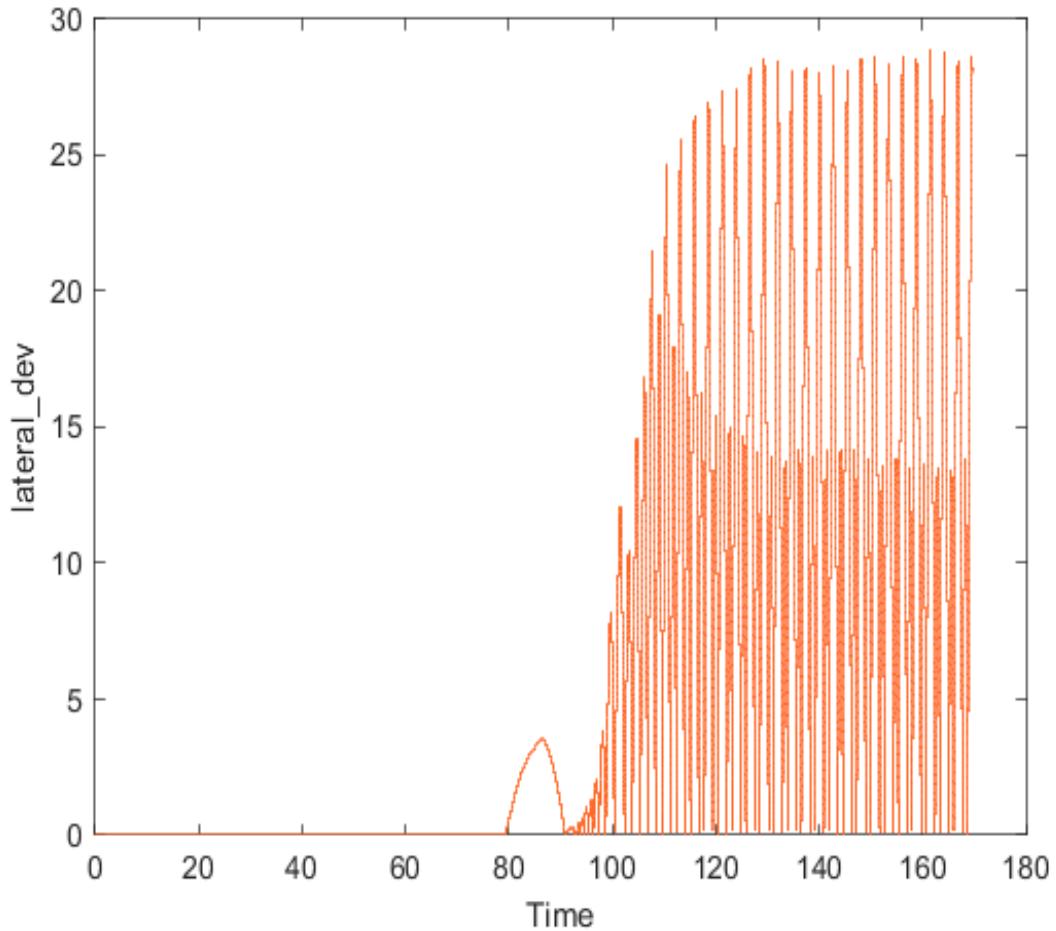
  

Name	Data Type	Units	Sample Time	Interp	Sync
Zone	double		0.01	zoh	union



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



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## 500m curvature counterclockwise 30k m/h

### Test Result Information

Result Type: Test Case Result

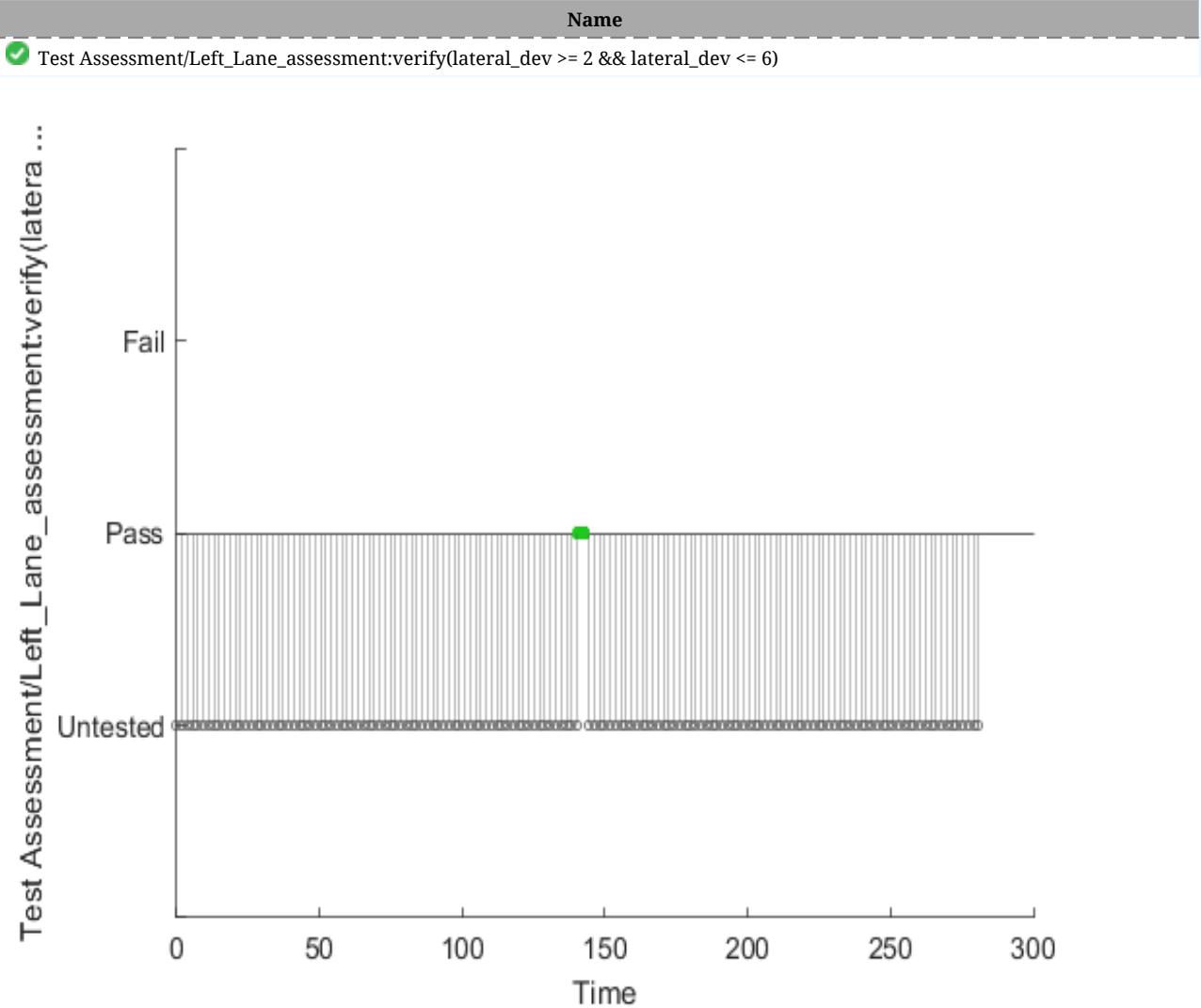
Parent: [Single static obstacle 30km/h](#)  
Start Time: 19-May-2021 21:58:16  
End Time: 19-May-2021 21:58:52  
Outcome: Passed

## Test Case Information

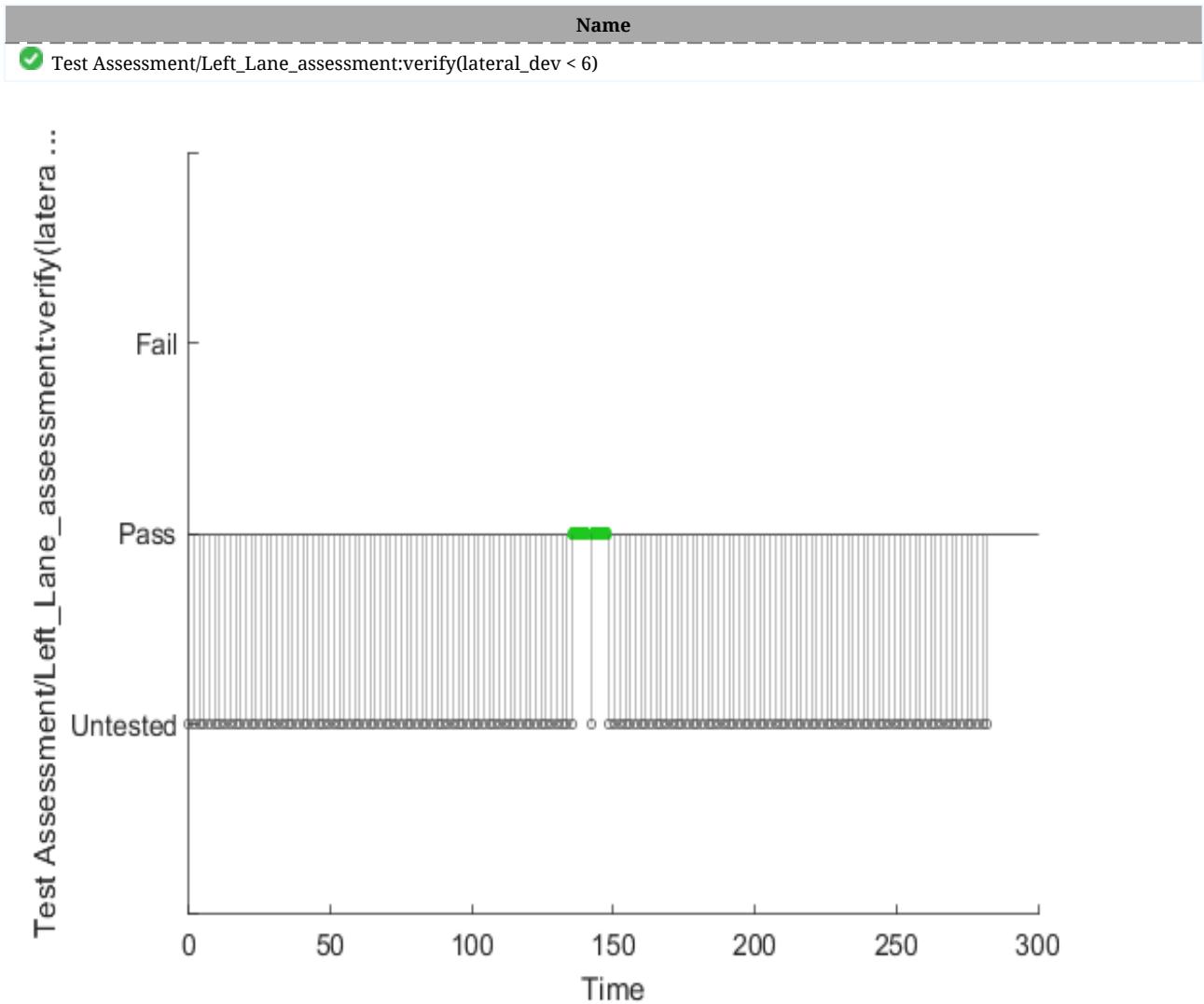
Name: 500m curvature counterclockwise 30km/h  
Type: Simulation Test

## Verify Result

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



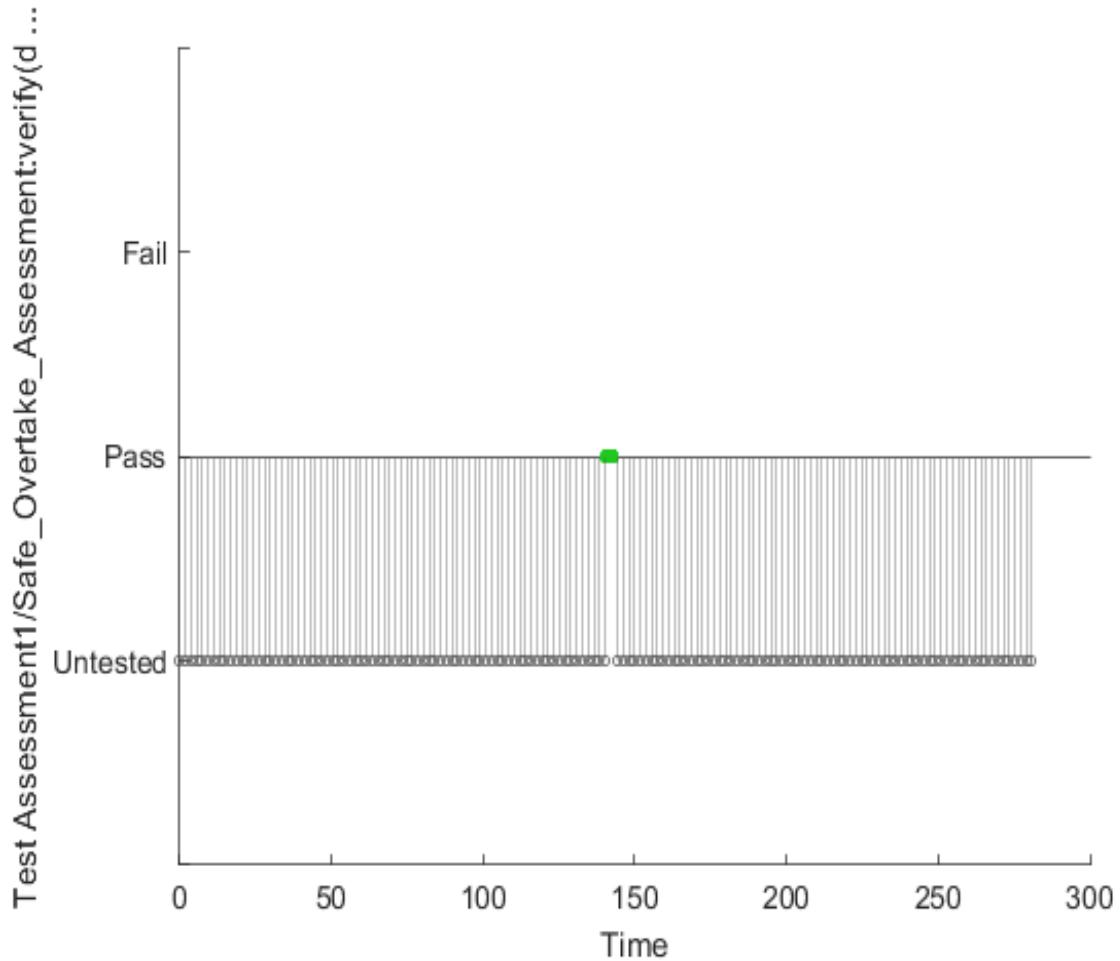
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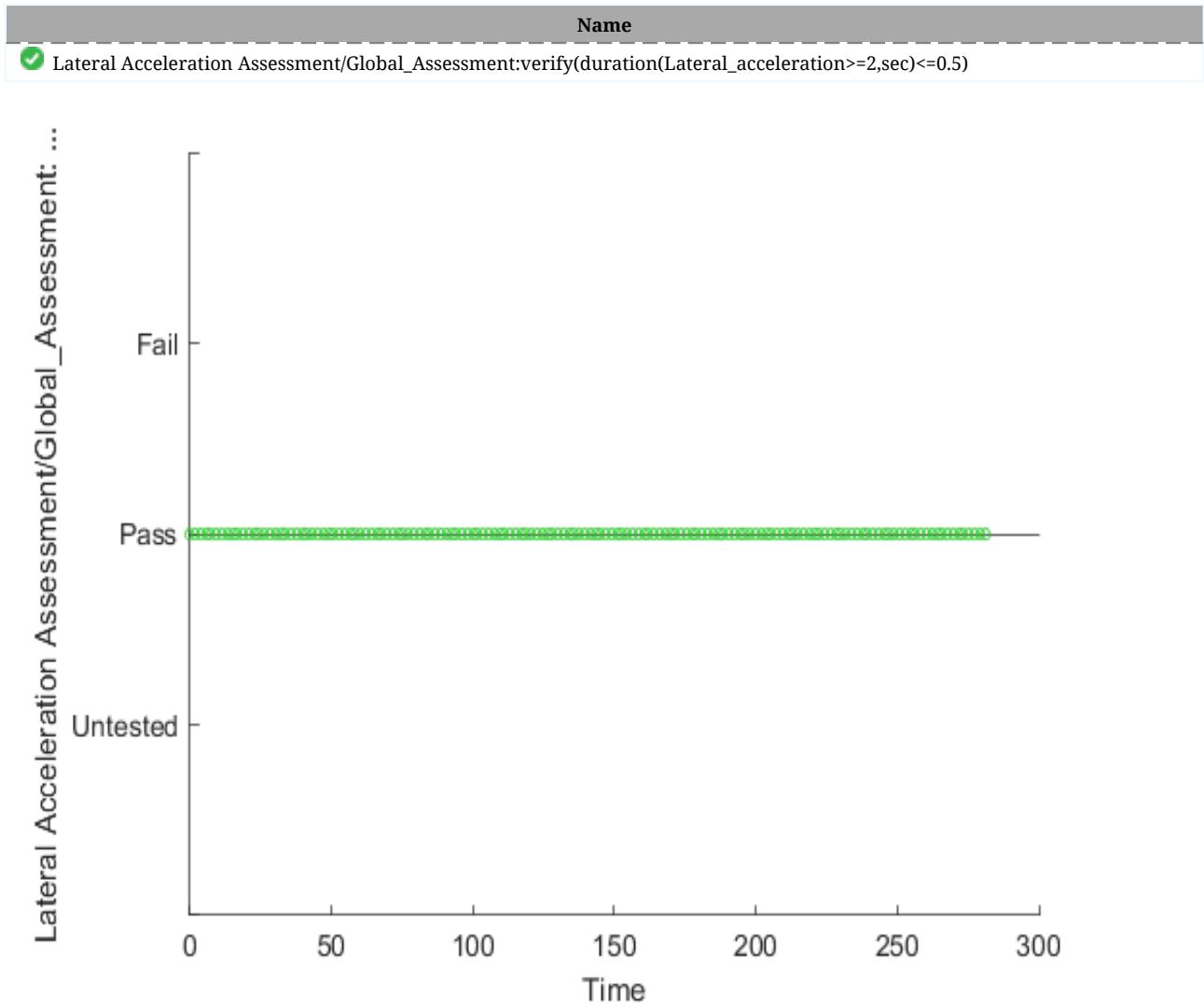
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Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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## Simulation

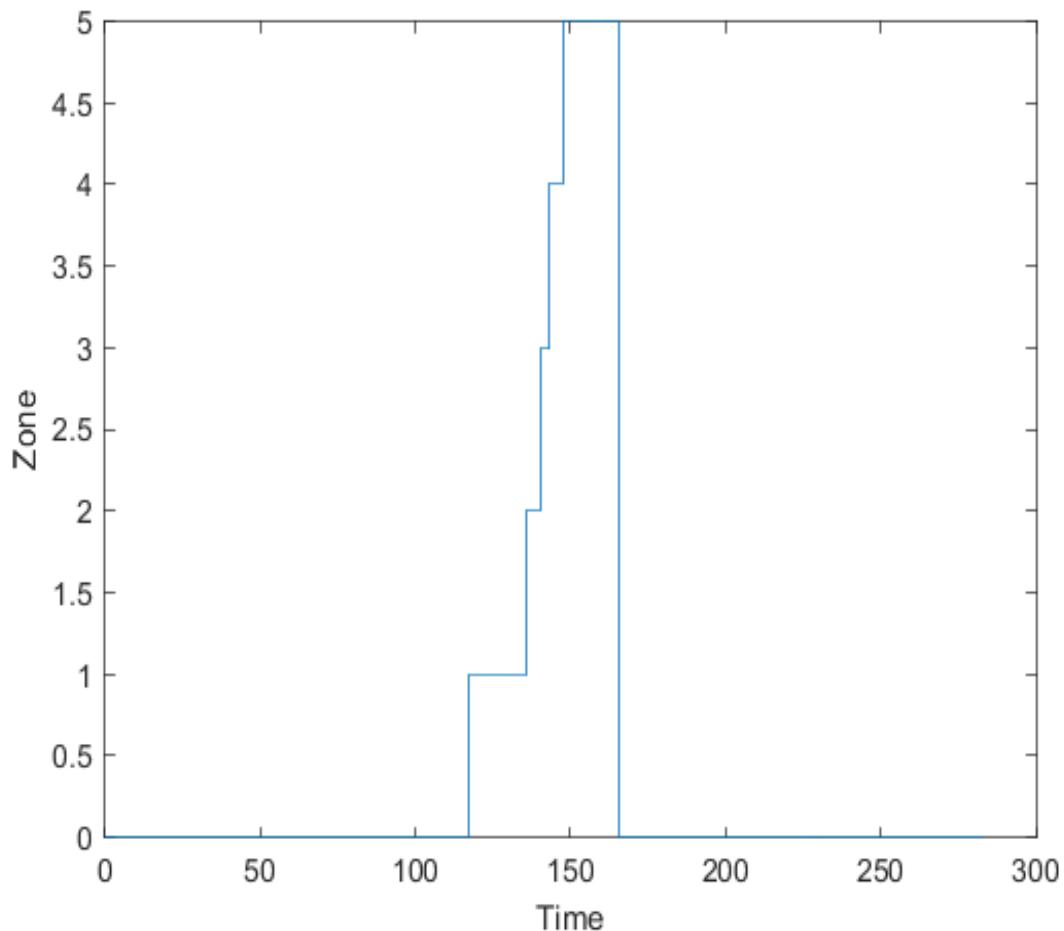
### System Under Test Information

Model:	Dynamic_obstacle_avoidance
Harness:	Static_obstacle_avoidance
Harness Owner:	Dynamic_obstacle_avoidance/Subsystem
Simulation Mode:	normal
Configuration Set:	Configuration1

Start Time: 0  
Stop Time: 282.74999999997601  
Checksum: 1103467515 704435013 659023340 3397181642

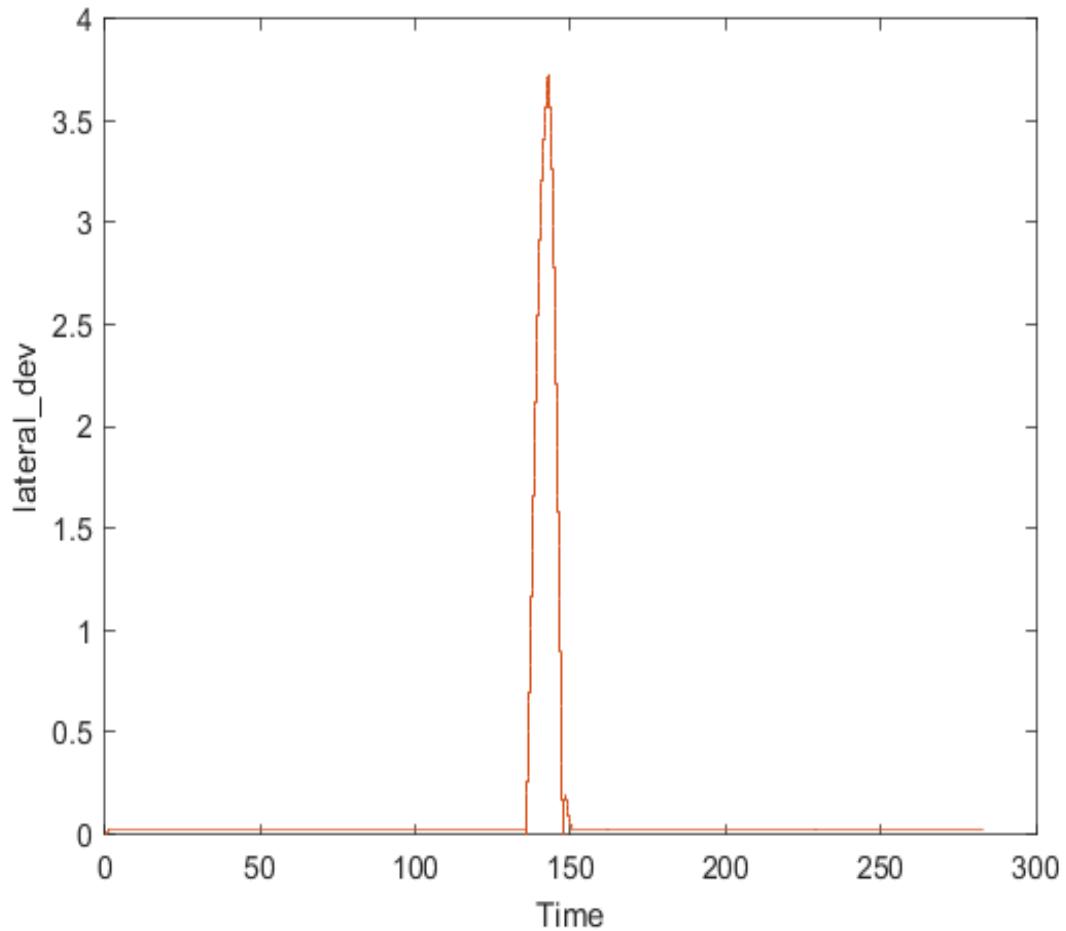
## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>
Name	Data Type	Units	Sample Time	Interp	Sync	
Zone	double		0.01	zoh	union	



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



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## 1000m curvature counterclockwise 30k m/h

### Test Result Information

Result Type: Test Case Result

Parent: [Single static obstacle 30km/h](#)  
Start Time: 19-May-2021 21:58:52  
End Time: 19-May-2021 22:00:32  
Outcome: Passed

## Test Case Information

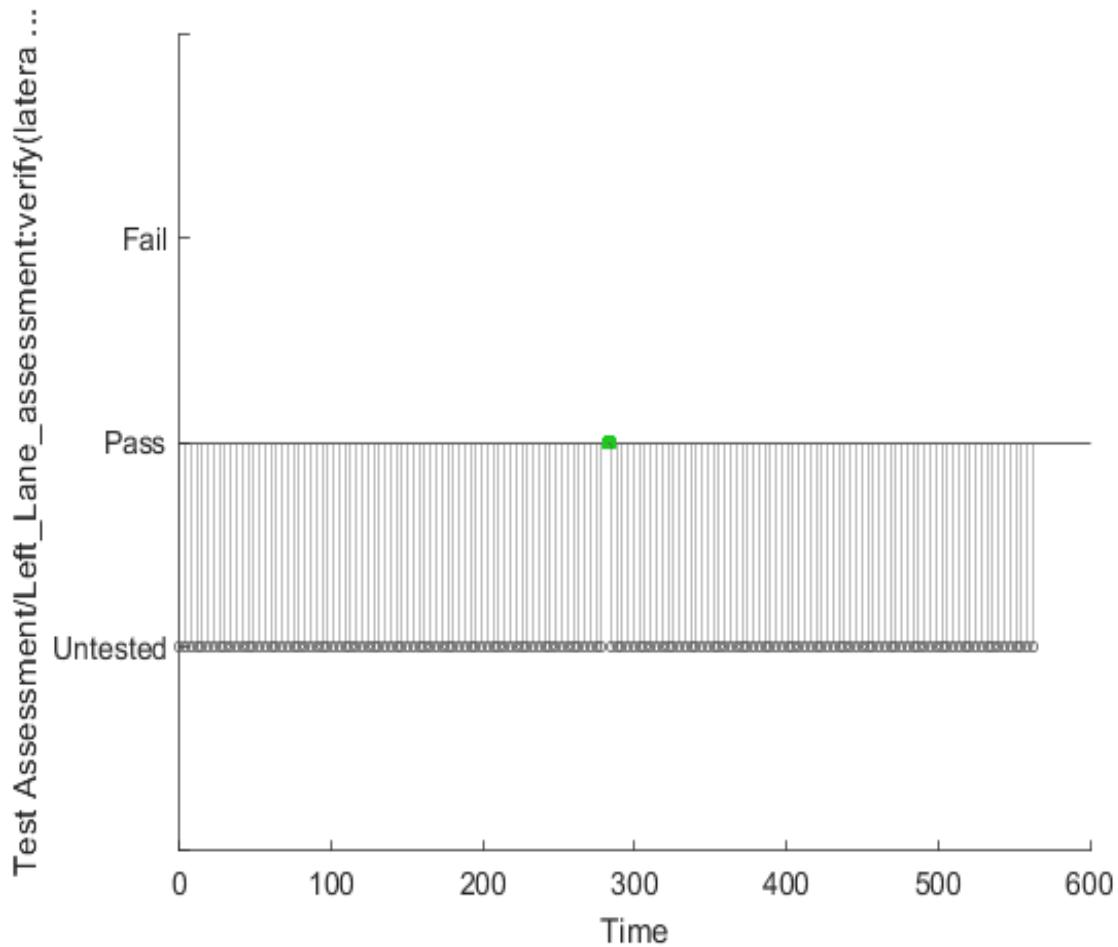
Name: 1000m curvature counterclockwise 30km/h  
Type: Simulation Test

## Verify Result

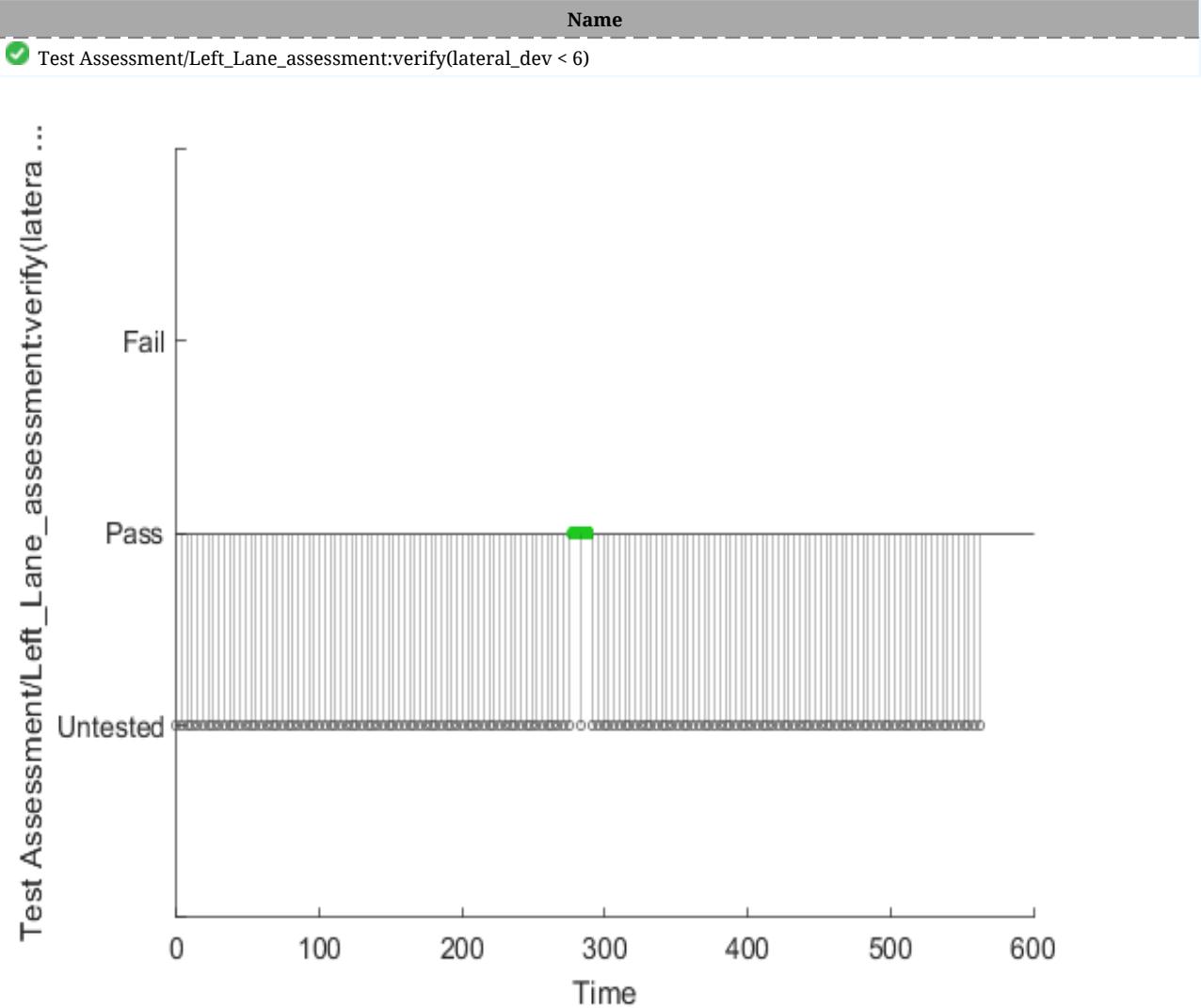
Name	Link to Plot
Test Assessment/Left_Lane_assessment:verify(lateral_dev >= 2 && lateral_dev <= 6)	<a href="#">Link</a>
Test Assessment/Left_Lane_assessment:verify(lateral_dev < 6)	<a href="#">Link</a>
Test Assessment1/Safe_Overtake_Assessment:verify(duration(lateral_dev > 5 && lateral_dev < 3,sec)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

### Name

✓ Test Assessment/Left\_Lane\_assessment:verify(lateral\_dev >= 2 && lateral\_dev <= 6)



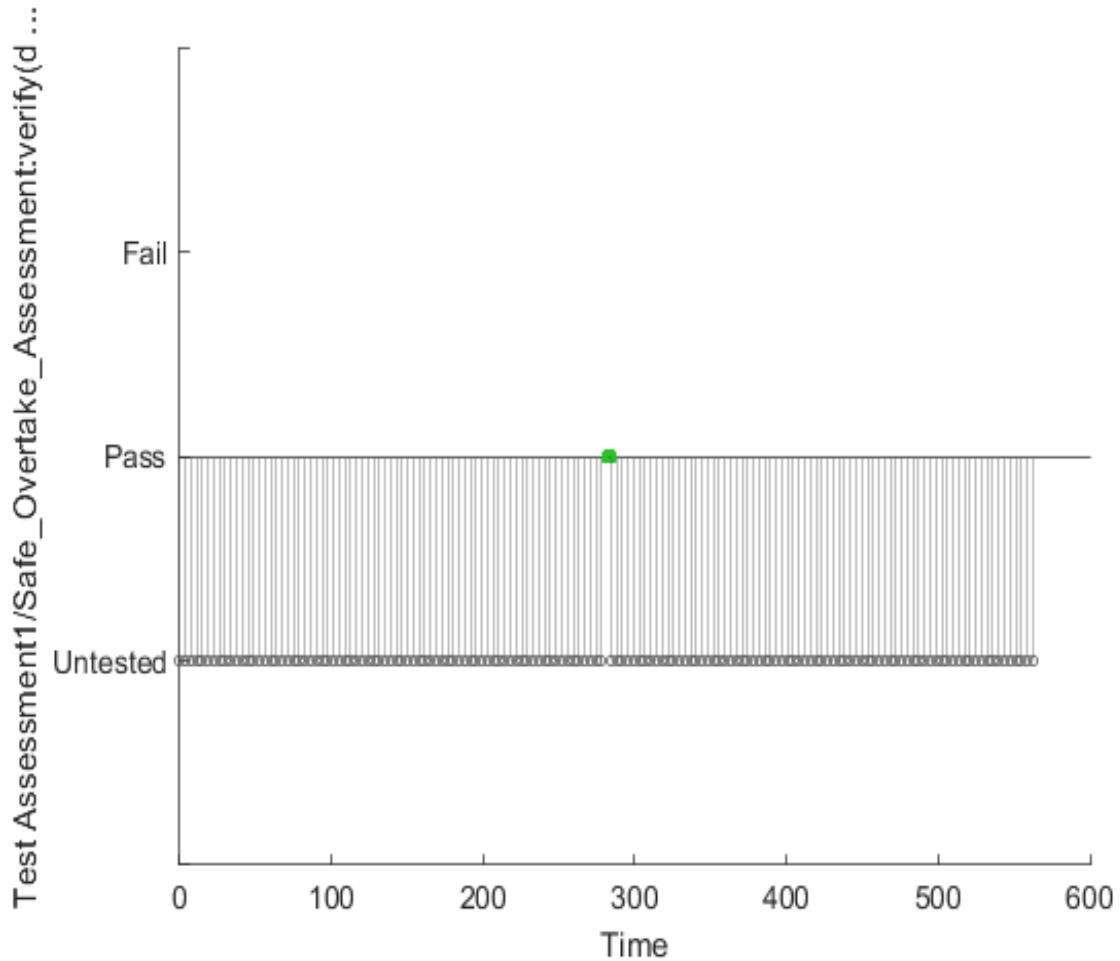
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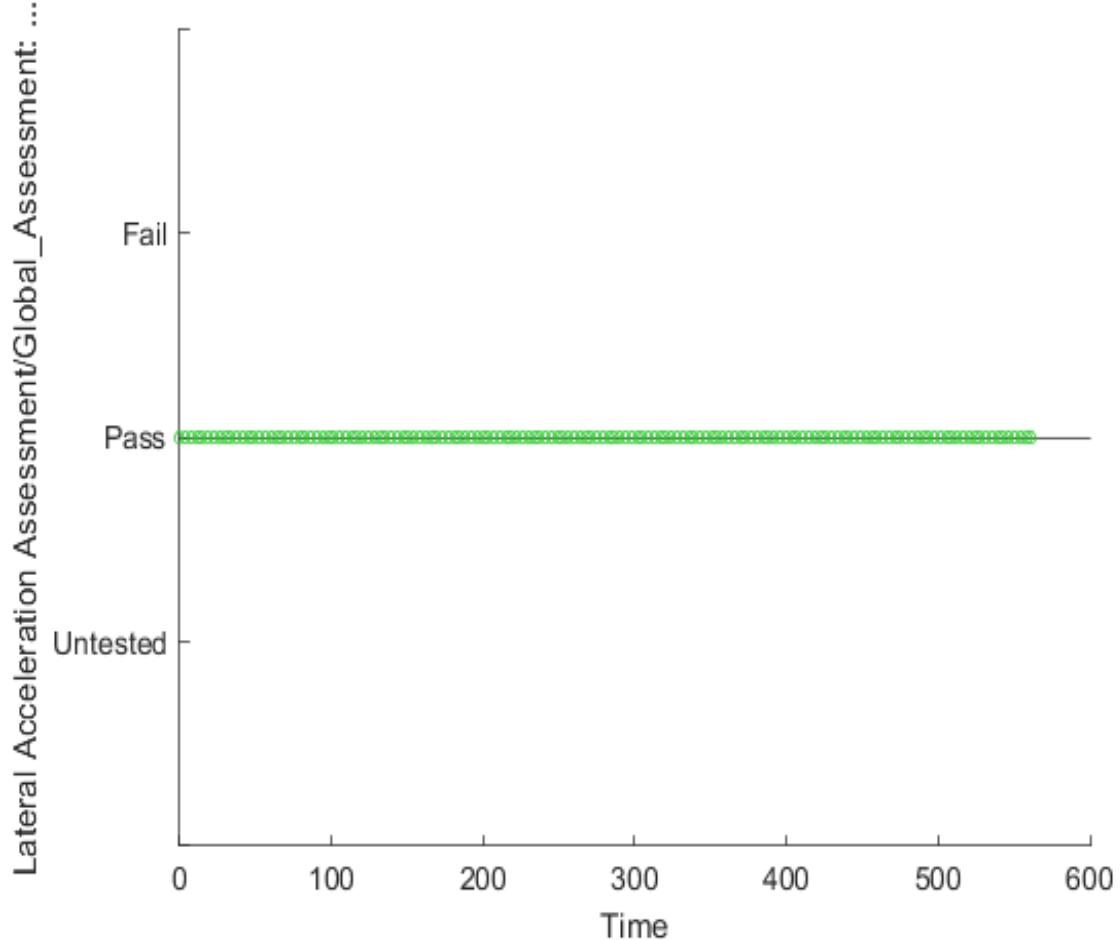
Name

✓ Test Assessment1/Safe\_Overtake\_Assessment:verify(duration(lateral\_dev > 5 && lateral\_dev < 3,sec)<1)



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Name
✓ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)



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## Simulation

### System Under Test Information

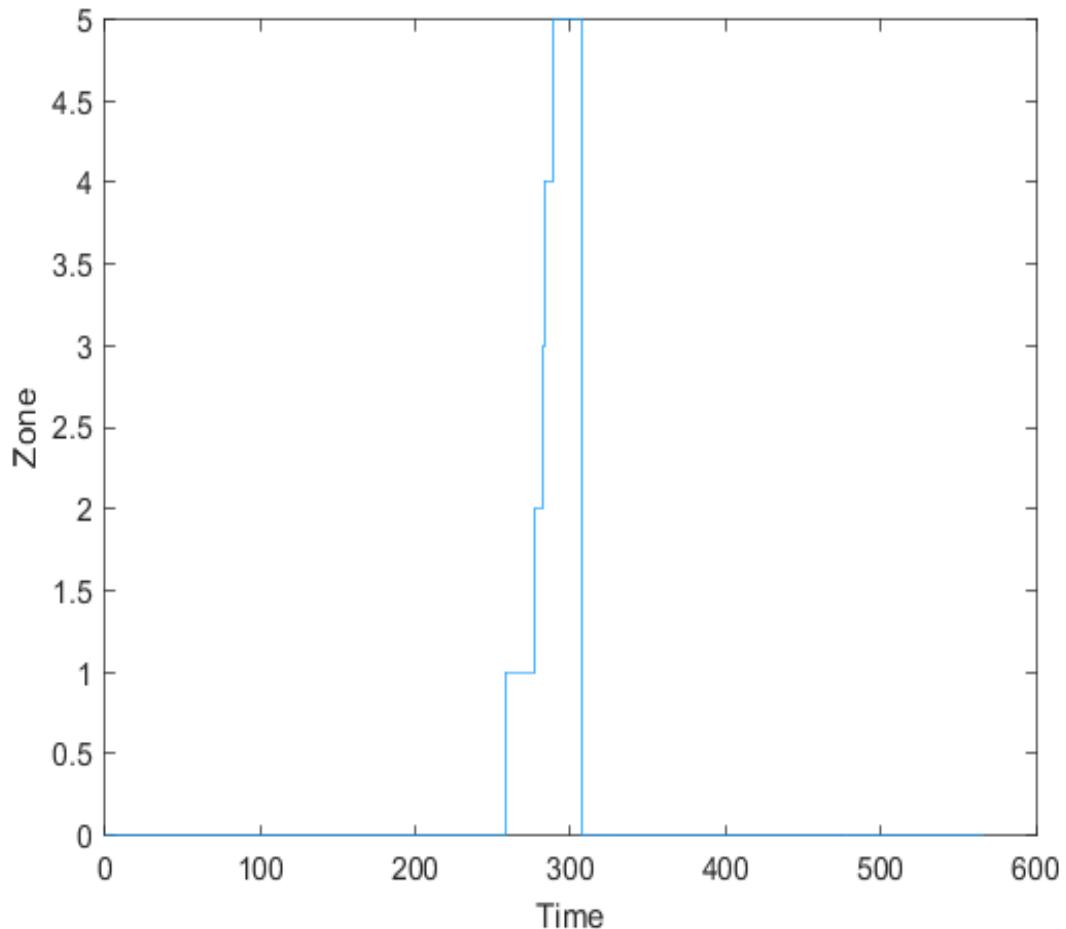
Model: Dynamic\_obstacle\_avoidance  
Harness: Static\_obstacle\_avoidance  
Harness Owner: Dynamic\_obstacle\_avoidance/Subsystem  
Simulation Mode: normal  
Configuration Set: Configuration1

Start Time: 0  
Stop Time: 565.49000000009937  
Checksum: 3073019547 1643996308 3443470216 1619239771

## Simulation Output

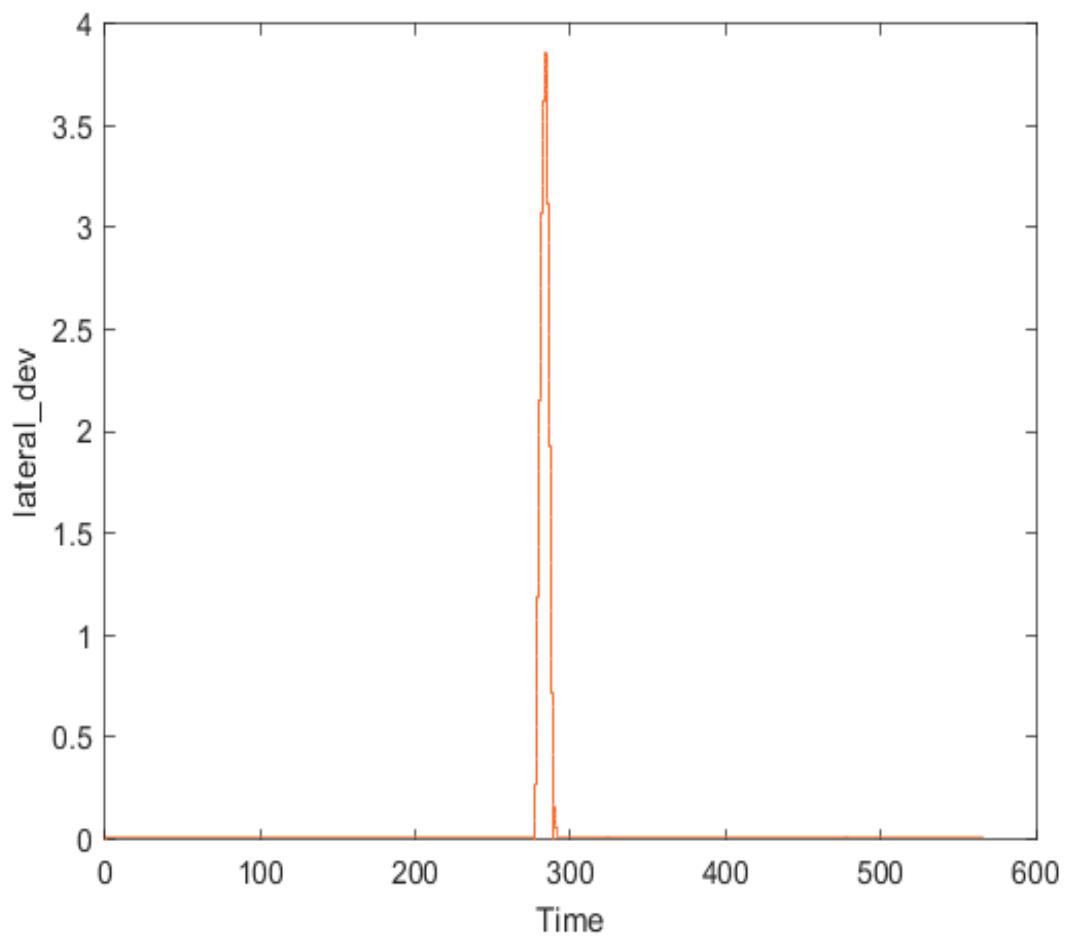
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Zone	double		0.01	zoh	union	<a href="#">Link</a>
lateral_dev	double		0.01	zoh	union	<a href="#">Link</a>

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



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



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