

# Report Generated by Test Manager

---

**Title:** Path Following - Test Report  
**Author:** Gianvincenzo Daddabbo, Gaetano Gallo, Alberto Ruggeri, Martina Tedesco, Alessandro Toschi  
**Date:** 29-Apr-2021 13:51:35

## Summary - failed test results only

Name	Outcome	Duration (Seconds)
 <a href="#">Path Following test</a>	59  6 	2350
 <a href="#">Hyundai Azera</a>	12  1 	555
 <a href="#">Switzerland</a>		104
 <a href="#">BMW 325i</a>	12  1 	435
 <a href="#">Switzerland</a>		73
 <a href="#">Ford E150</a>	11  2 	442
 <a href="#">Switzerland</a>		73
 <a href="#">Campania</a>		87
 <a href="#">Suzuki Samurai</a>	12  1 	444
 <a href="#">Switzerland</a>		76
 <a href="#">Volkswagen Beetle</a>	12  1 	474
 <a href="#">Switzerland</a>		82

## Path\_Following\_test

### Test Result Information

Result Type: Test File Result  
Parent: None  
Start Time: 29-Apr-2021 12:39:20  
End Time: 29-Apr-2021 13:18:30  
Outcome: Total: 65, Passed: 59, Failed: 6  
Description:

These tests are aimed to evaluate the performance of a path follower in different scenarios

### Test Suite Information

Name: Path\_Following\_test

[Back to Report Summary](#)

---

## Hyundai Azera

### Test Result Information

Result Type: Test Suite Result  
Parent: [Path\\_Following\\_test](#)  
Start Time: 29-Apr-2021 12:39:20  
End Time: 29-Apr-2021 12:48:35  
Outcome: Total: 13, Passed: 12, Failed: 1

### Test Suite Information

Name: Hyundai Azera

[Back to Report Summary](#)

---

## Switzerland

### Test Result Information

Result Type: Test Case Result  
Parent: [Hyundai Azera](#)  
Start Time: 29-Apr-2021 12:40:46  
End Time: 29-Apr-2021 12:42:30  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification

## Description:




This is the slowest scenario considered, with lots of corners one after another.

We try to follow this scenario with 15 km/h speed.

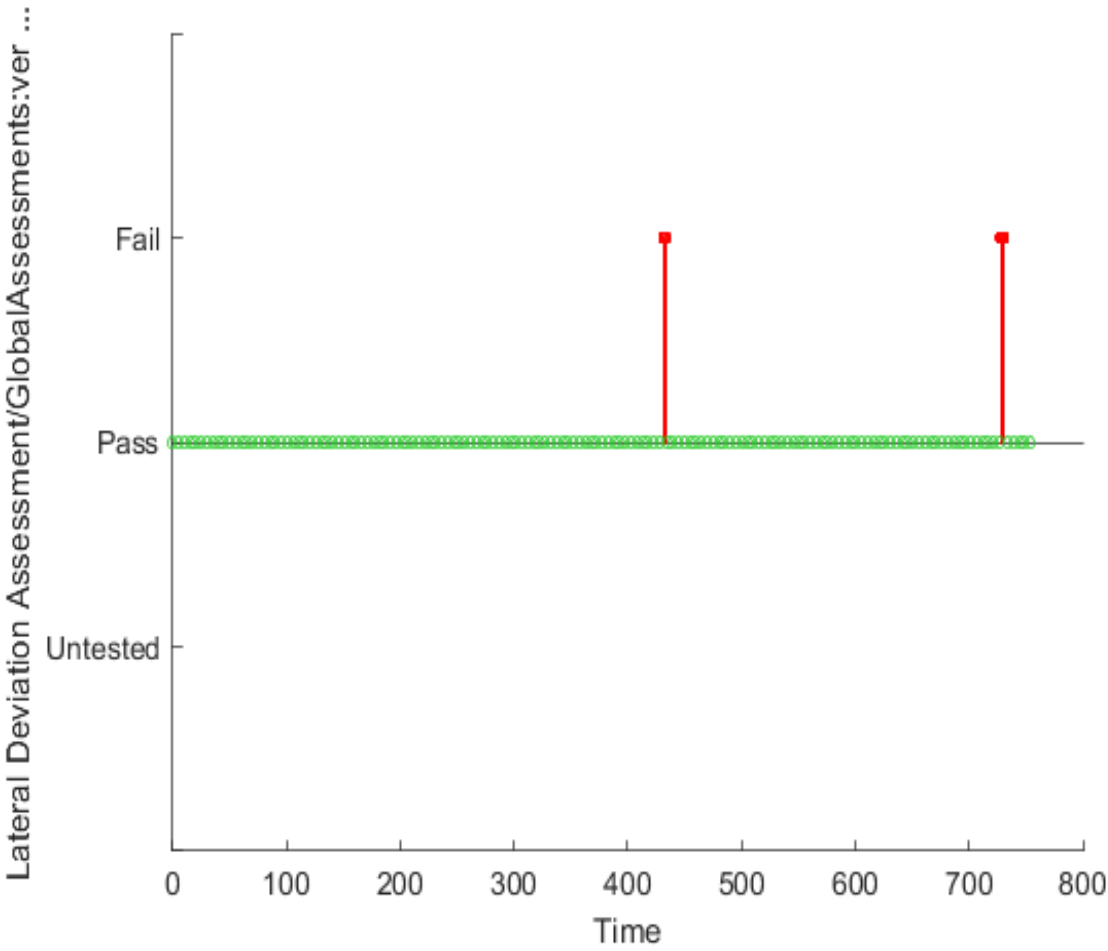
## Test Case Information

Name: Switzerland  
Type: Simulation Test

## Verify Result

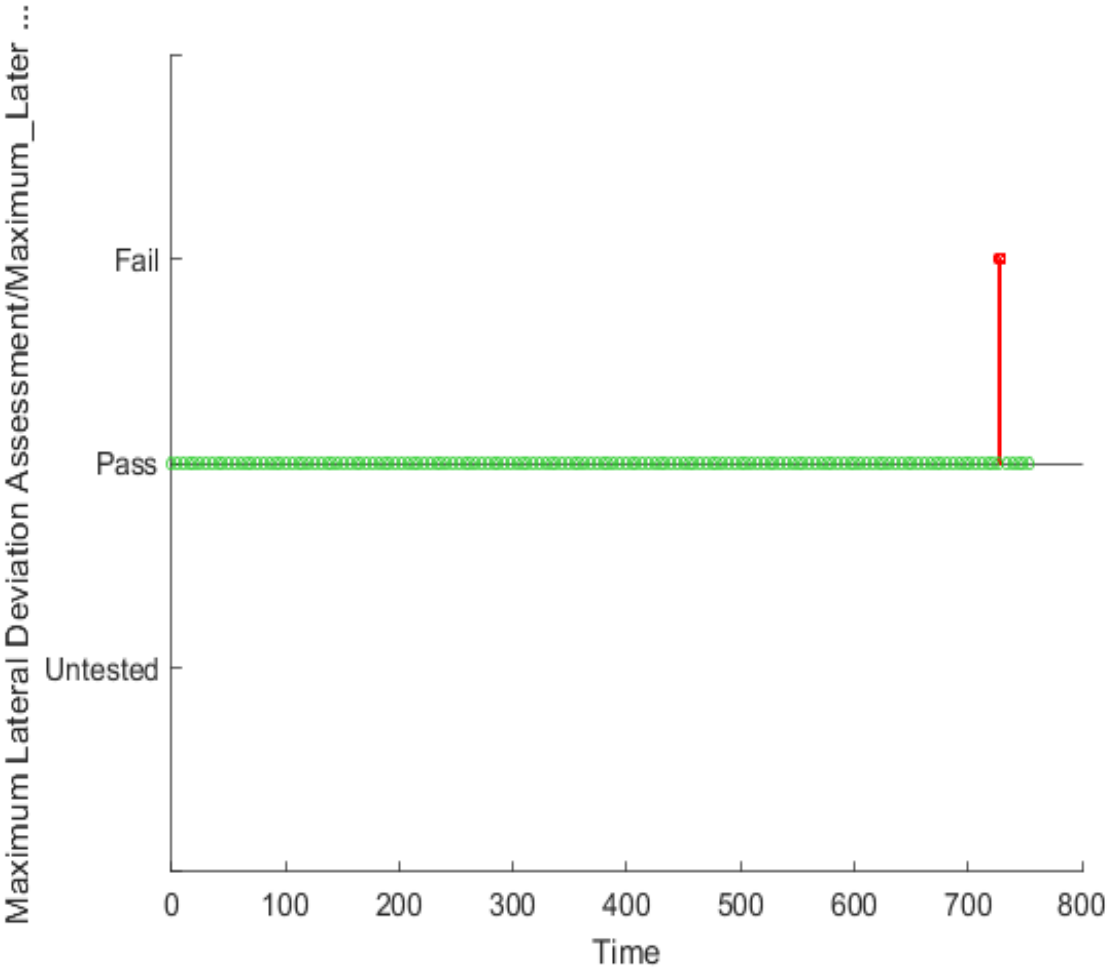
Name		Link to Plot
 Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)		<a href="#">Link</a>
 Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev < 1)		<a href="#">Link</a>
 Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)		<a href="#">Link</a>

Name
<span>✖</span> Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)



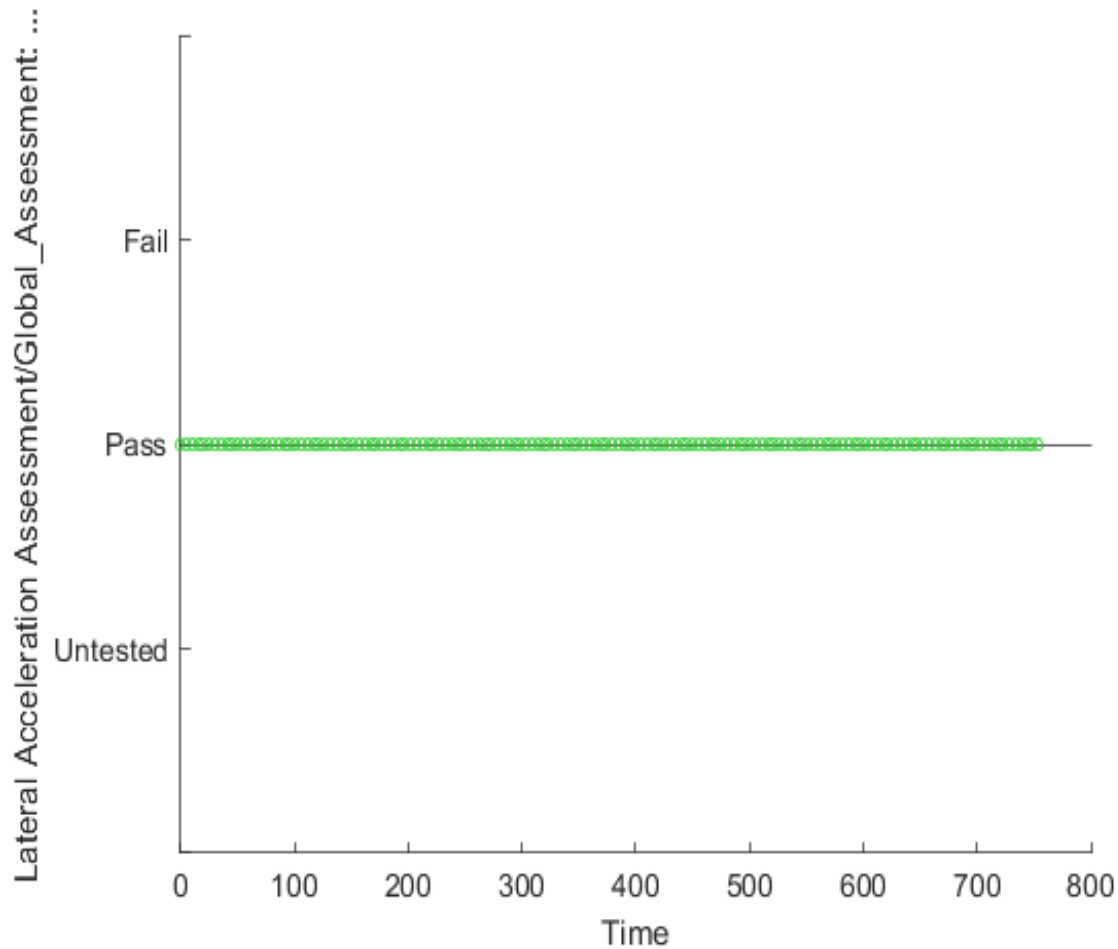
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<div> <div></div> <div>Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1)</div> </div>



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

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



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

## Simulation

### System Under Test Information

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

Start Time: 0  
Stop Time: 759.09368017233703  
Checksum: 2813384938 3166038877 3099671345 3384845185

---

## BMW 325i

### Test Result Information

Result Type: Test Suite Result  
Parent: [Path Following test](#)  
Start Time: 29-Apr-2021 12:48:35  
End Time: 29-Apr-2021 12:55:50  
Outcome: Total: 13, Passed: 12, Failed: 1

### Test Suite Information

Name: BMW 325i

[Back to Report Summary](#)

---

## Switzerland

### Test Result Information

Result Type: Test Case Result  
Parent: [BMW 325i](#)  
Start Time: 29-Apr-2021 12:49:32  
End Time: 29-Apr-2021 12:50:45  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification  
Description:

This is the slowest scenario considered, with lots of corners one after another.

We try to follow this scenario with 15 km/h speed.

### Test Case Information

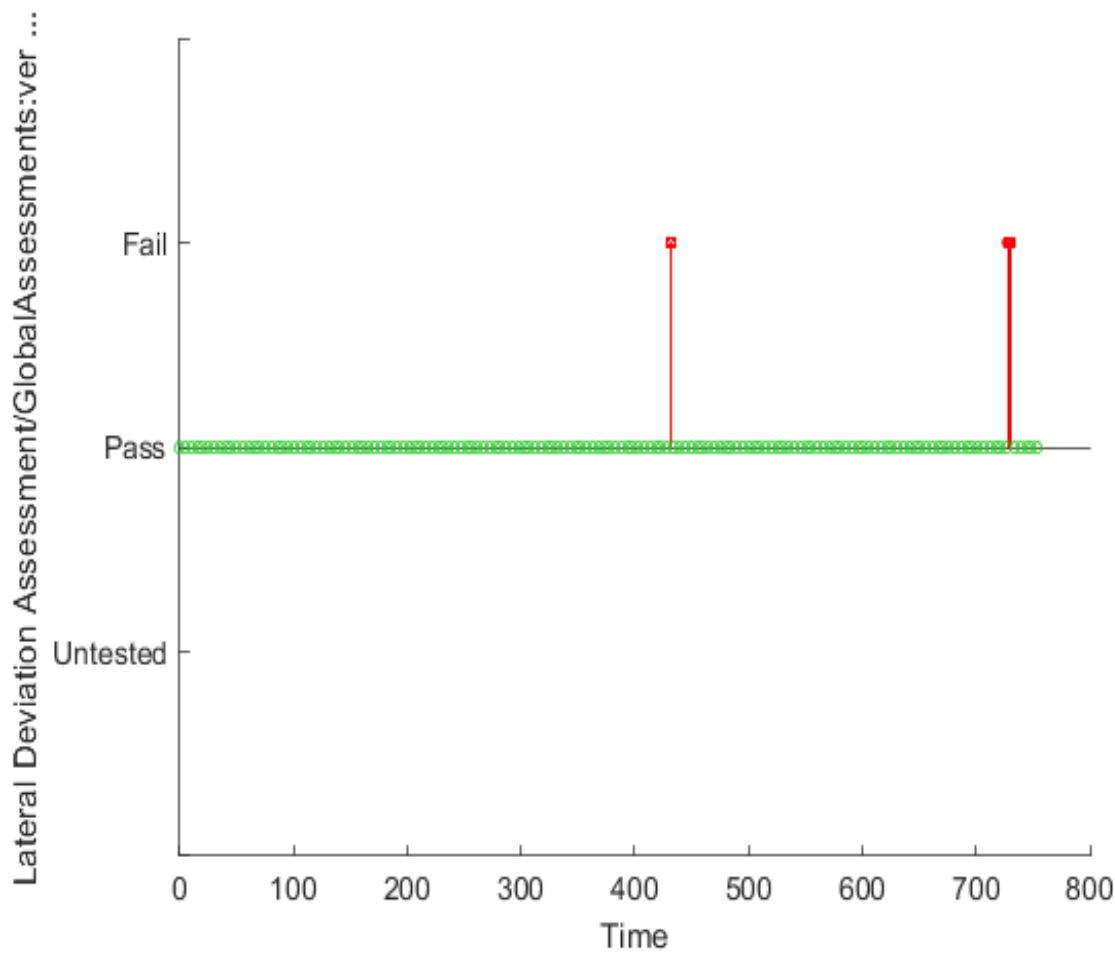
Name: Switzerland  
Type: Simulation Test



Verify Result

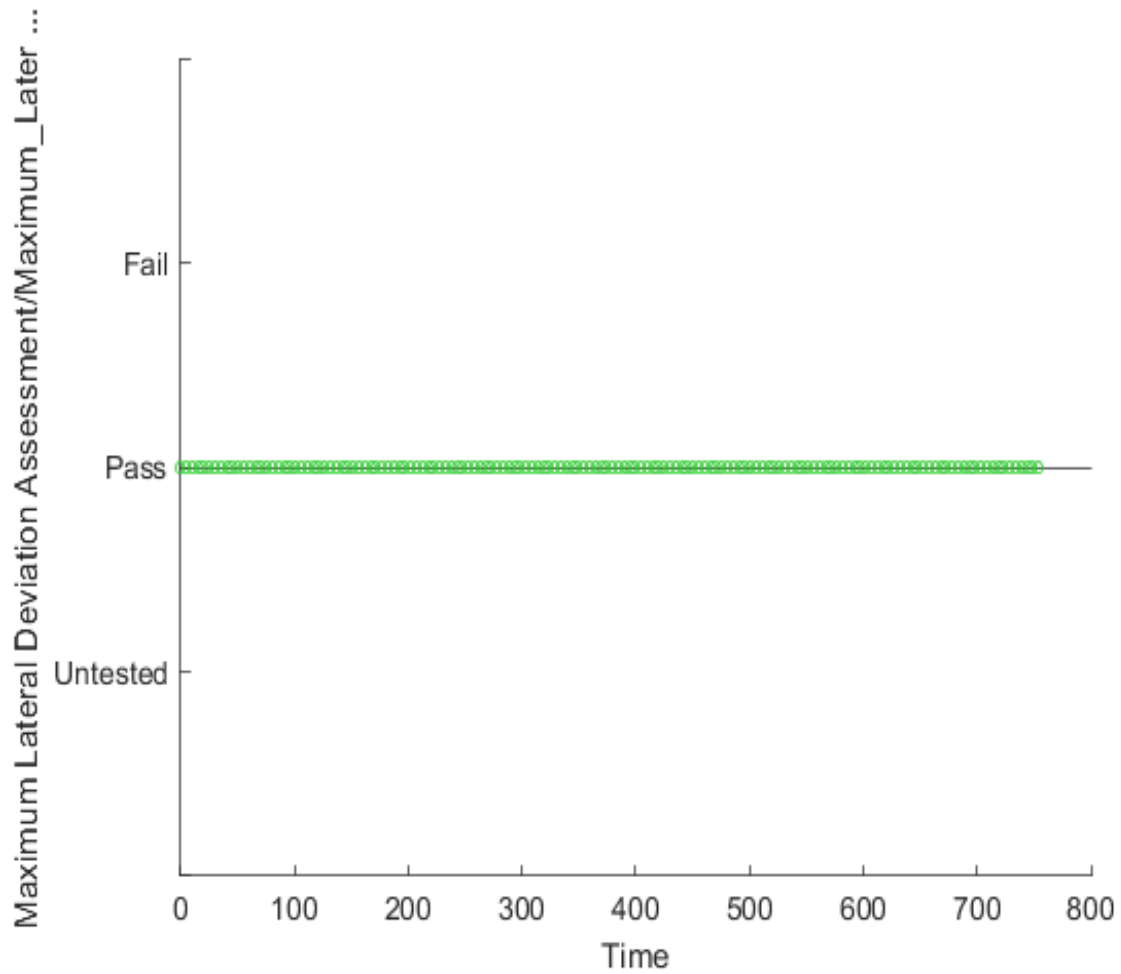
Name	Link to Plot
<div><div></div><div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div></div>	<a href="#">Link</a>
<div><div></div><div>Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1)</div></div>	<a href="#">Link</a>
<div><div></div><div>Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration&gt;=2,sec)&lt;=0.5)</div></div>	<a href="#">Link</a>

Name
<div><div></div><div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div></div>



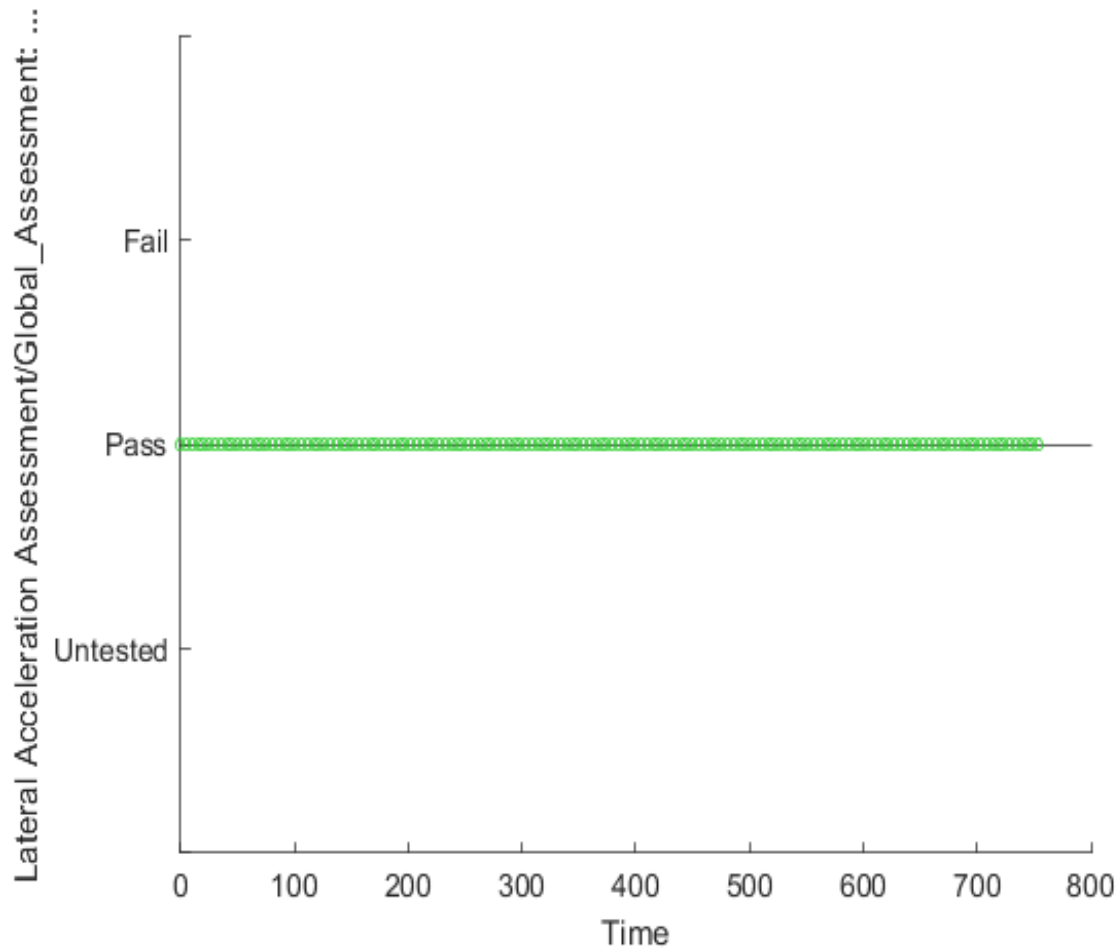
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<div>  Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1) </div>



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

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



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

**Simulation**

**System Under Test Information**

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

Start Time: 0  
Stop Time: 759.09368017233703  
Checksum: 2813384938 3166038877 3099671345 3384845185

---

## Ford E150

### Test Result Information

Result Type: Test Suite Result  
Parent: [Path Following test](#)  
Start Time: 29-Apr-2021 12:55:50  
End Time: 29-Apr-2021 13:03:12  
Outcome: Total: 13, Passed: 11, Failed: 2

### Test Suite Information

Name: Ford E150

[Back to Report Summary](#)

---

## Switzerland

### Test Result Information

Result Type: Test Case Result  
Parent: [Ford E150](#)  
Start Time: 29-Apr-2021 12:56:48  
End Time: 29-Apr-2021 12:58:01  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification  
Description:

This is the slowest scenario considered, with lots of corners one after another.

We try to follow this scenario with 15 km/h speed.

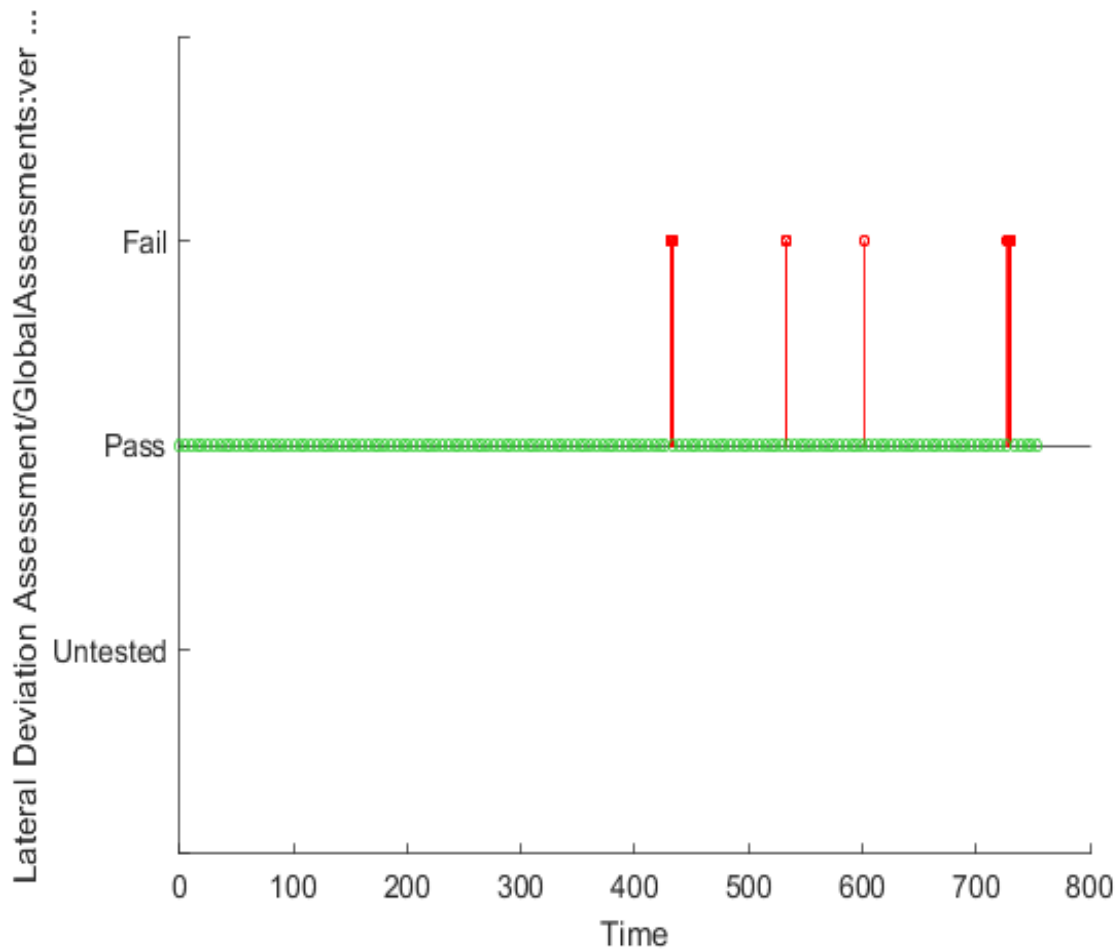
### Test Case Information

Name: Switzerland  
Type: Simulation Test

Verify Result

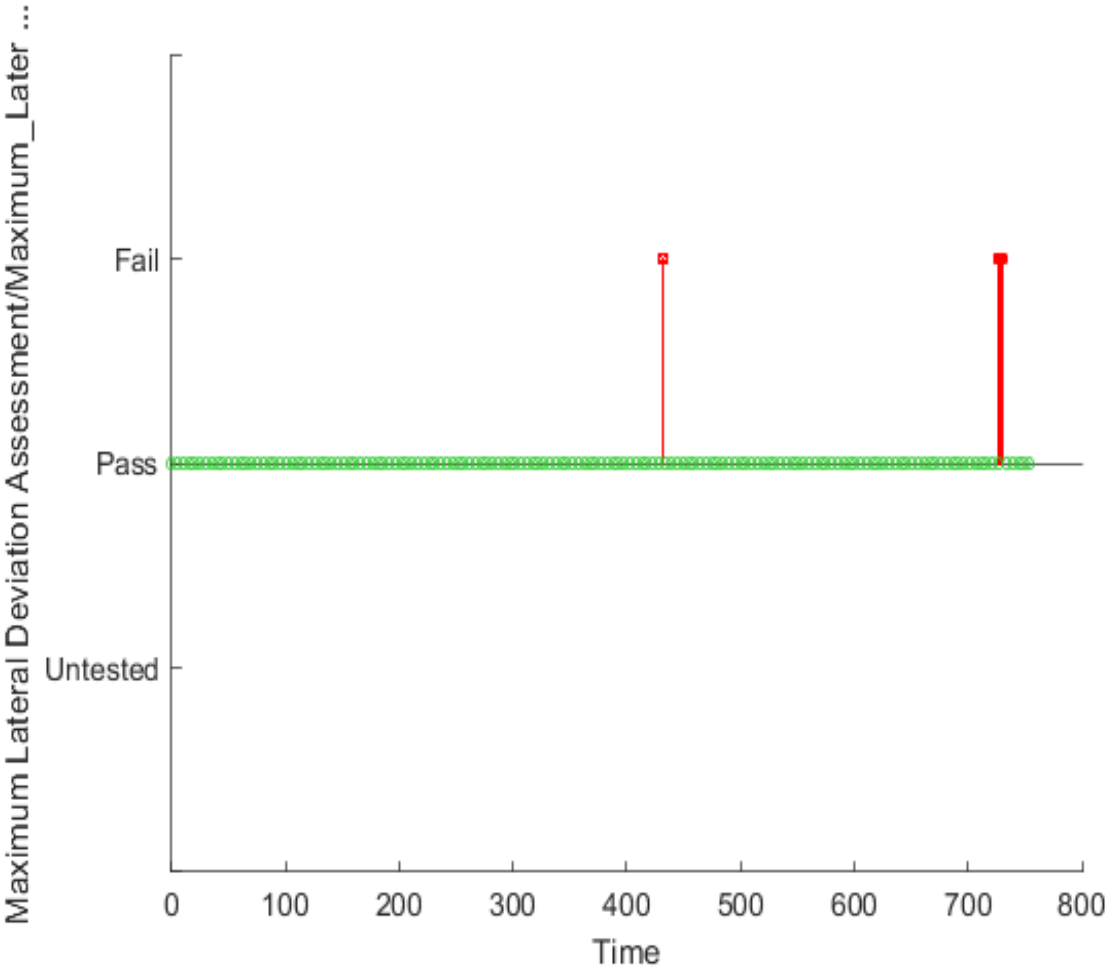
Name		Link to Plot
✖ Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)		<a href="#">Link</a>
✖ Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev < 1)		<a href="#">Link</a>
✔ Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)		<a href="#">Link</a>

Name	
✖ Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)	



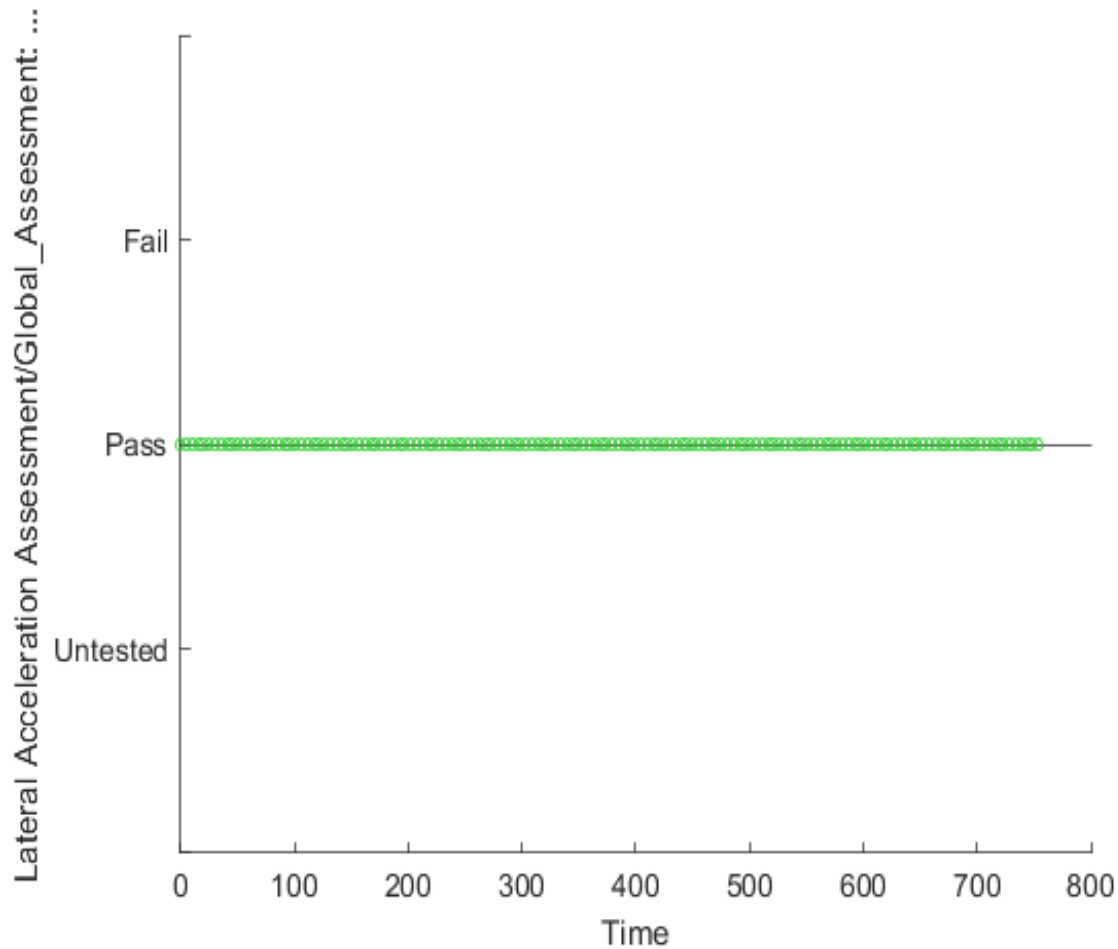
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<div> <div></div> <div>Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1)</div> </div>



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

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



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

## Simulation

### System Under Test Information

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

Start Time: 0  
Stop Time: 759.09368017233703  
Checksum: 2813384938 3166038877 3099671345 3384845185

---

## Campania

### Test Result Information

Result Type: Test Case Result  
Parent: [Ford E150](#)  
Start Time: 29-Apr-2021 12:59:08  
End Time: 29-Apr-2021 13:00:35  
Outcome: **Failed**  
Cause of Failure: **Failed criteria: Verification**  
Description:




This scenario is made up by a sequence of smooth corners.

We try to follow this path with 30 km/h speed.


### Test Case Information

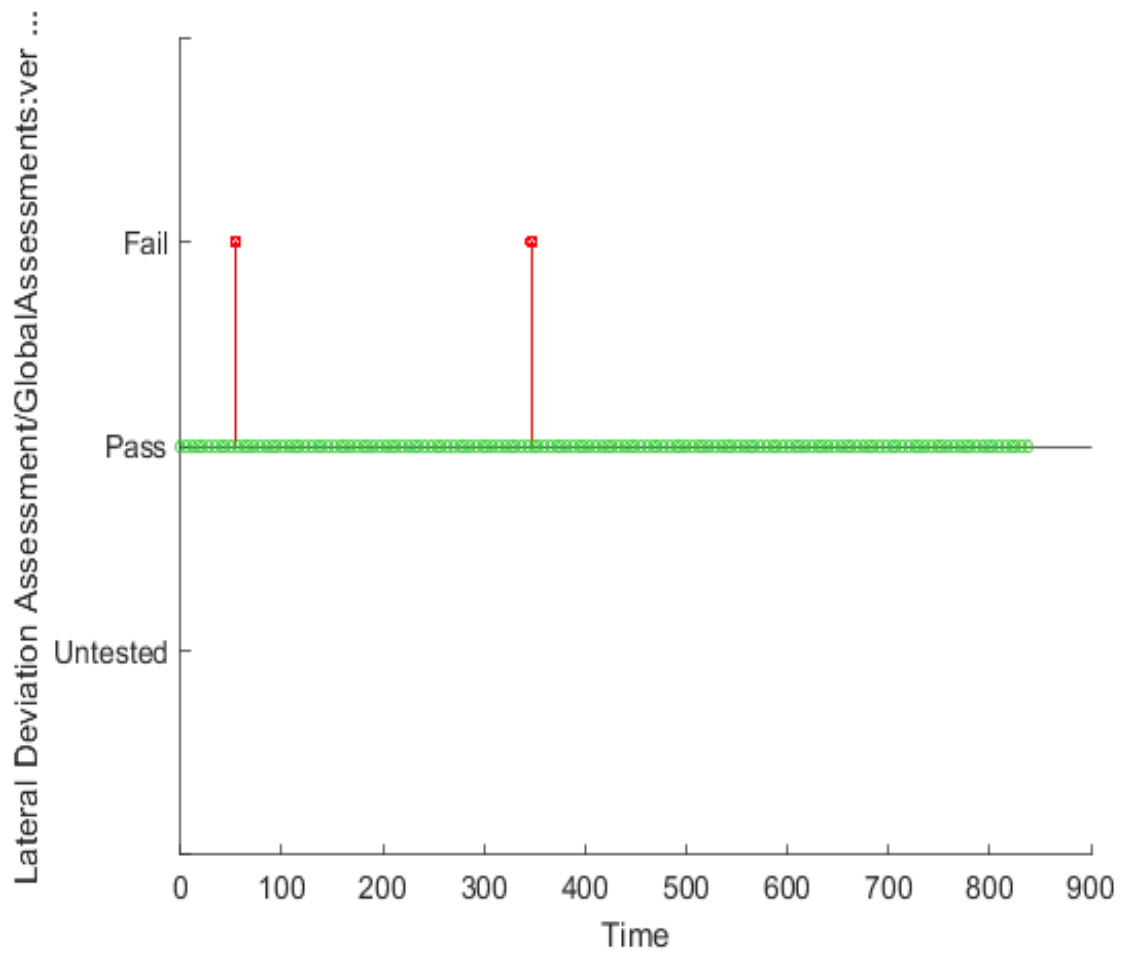
Name: Campania  
Type: Simulation Test

### Verify Result

Name	Link to Plot
 Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)	<a href="#">Link</a>
 Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev < 1)	<a href="#">Link</a>
 Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration>=2,sec)<=0.5)	<a href="#">Link</a>

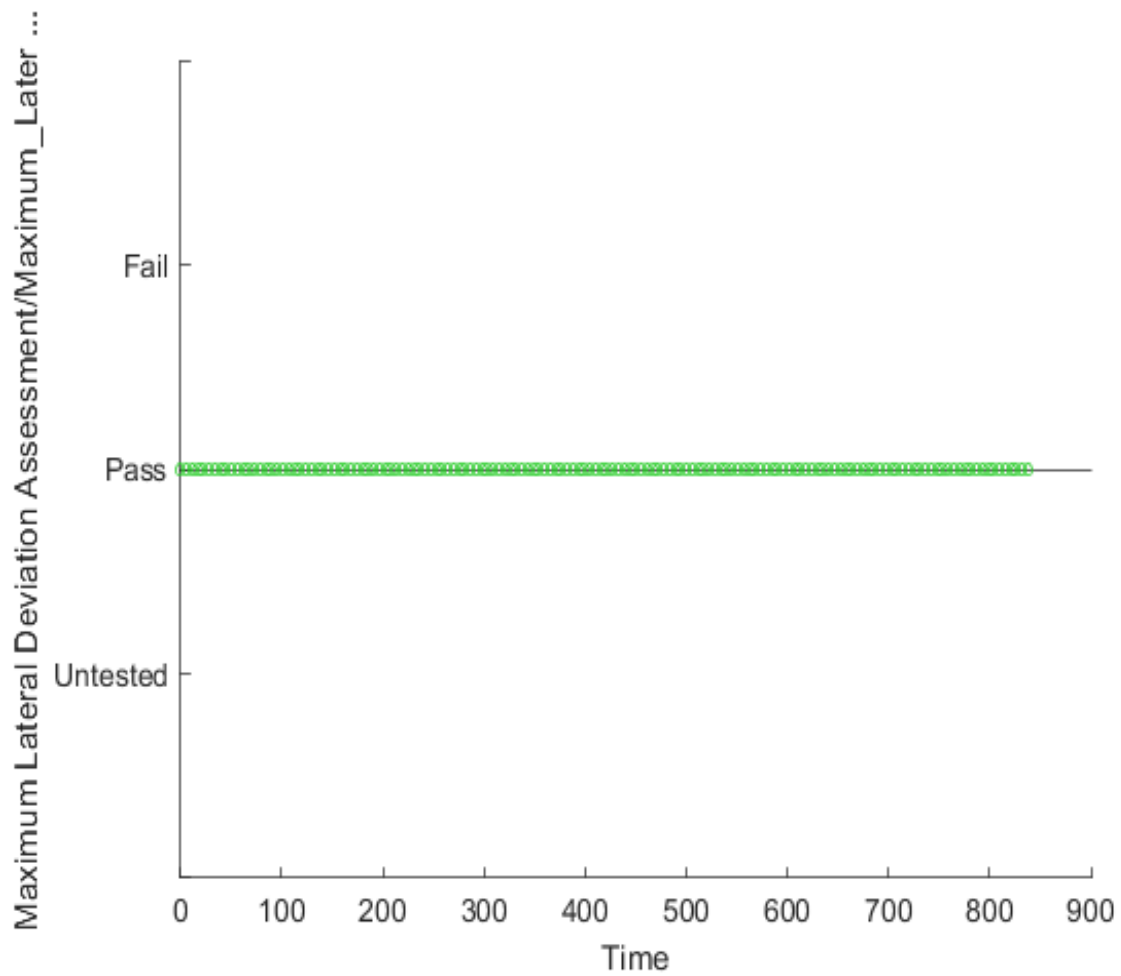


Name
 Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev > 0.75,sec)<1)




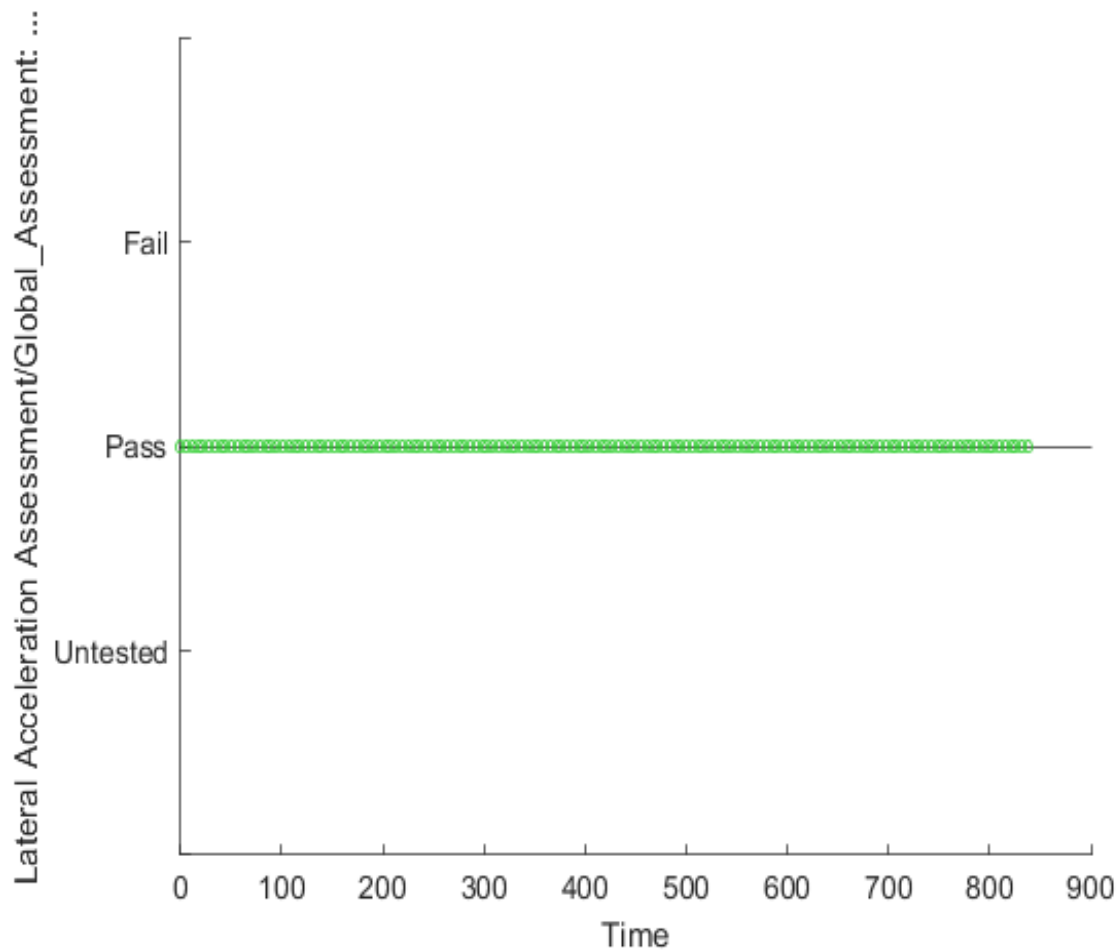
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<span>✓</span> Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev < 1)



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

Name
<div>  Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration&gt;=2,sec)&lt;=0.5) </div>



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

## Simulation

### System Under Test Information

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

Start Time: 0  
Stop Time: 843.22474949384798  
Checksum: 2515822173 245894926 3757805933 999516670

---

## Suzuki Samurai

### Test Result Information

Result Type: Test Suite Result  
Parent: [Path Following test](#)  
Start Time: 29-Apr-2021 13:03:12  
End Time: 29-Apr-2021 13:10:36  
Outcome: Total: 13, Passed: 12, Failed: 1

### Test Suite Information

Name: Suzuki Samurai

[Back to Report Summary](#)

---

## Switzerland

### Test Result Information

Result Type: Test Case Result  
Parent: [Suzuki Samurai](#)  
Start Time: 29-Apr-2021 13:04:09  
End Time: 29-Apr-2021 13:05:25  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification  
Description:

This is the slowest scenario considered, with lots of corners one after another.

We try to follow this scenario with 15 km/h speed.

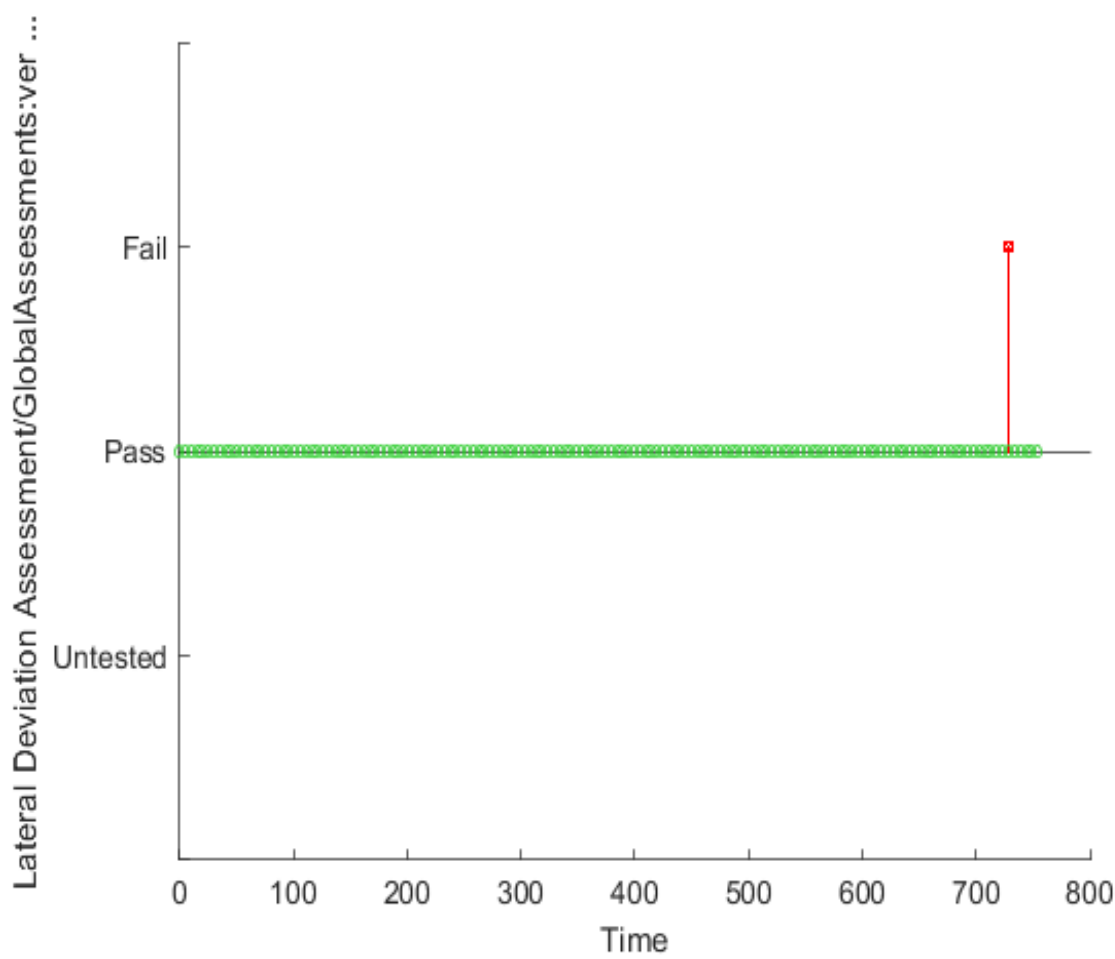
### Test Case Information

Name: Switzerland  
Type: Simulation Test

Verify Result

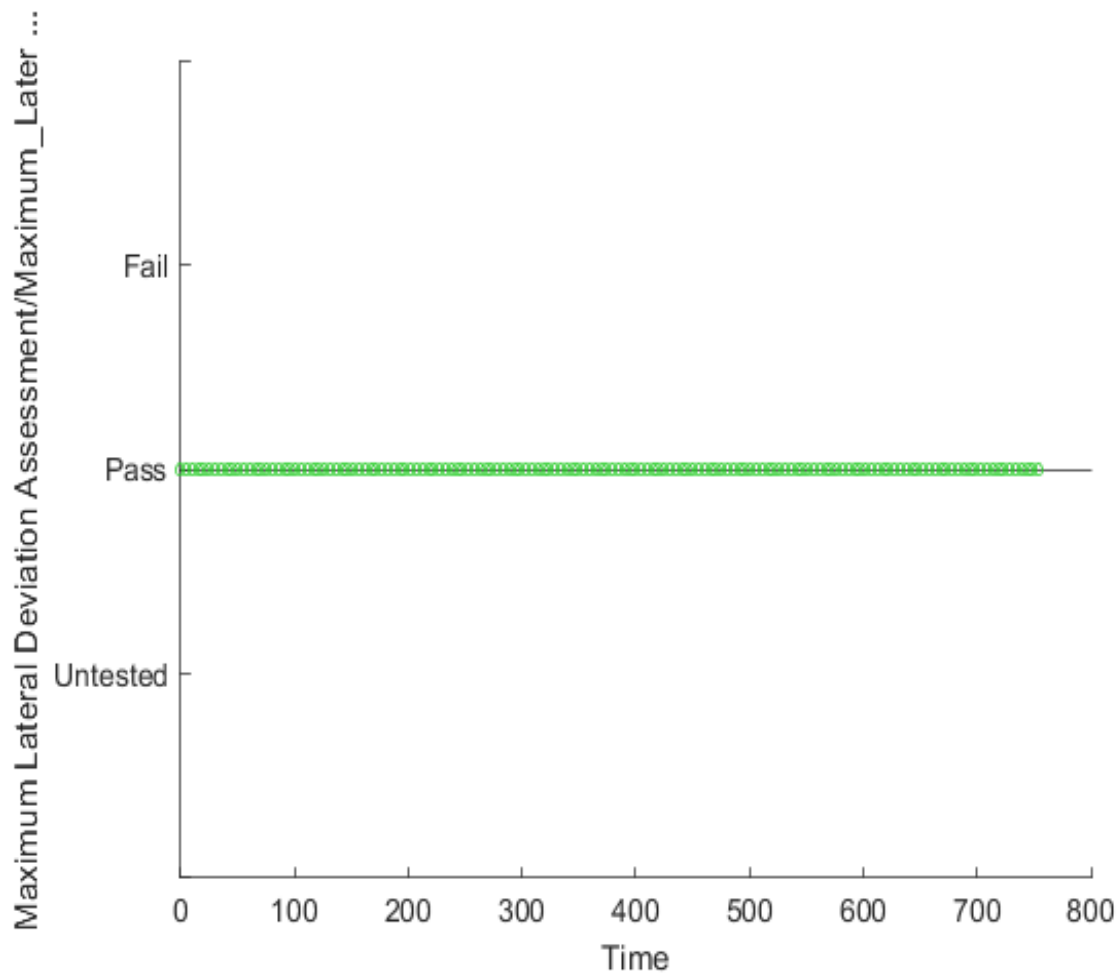
Name	Link to Plot
<div><div></div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div>	<a href="#">Link</a>
<div><div></div>Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1)</div>	<a href="#">Link</a>
<div><div></div>Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration&gt;=2,sec)&lt;=0.5)</div>	<a href="#">Link</a>

Name
<div><div></div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div>




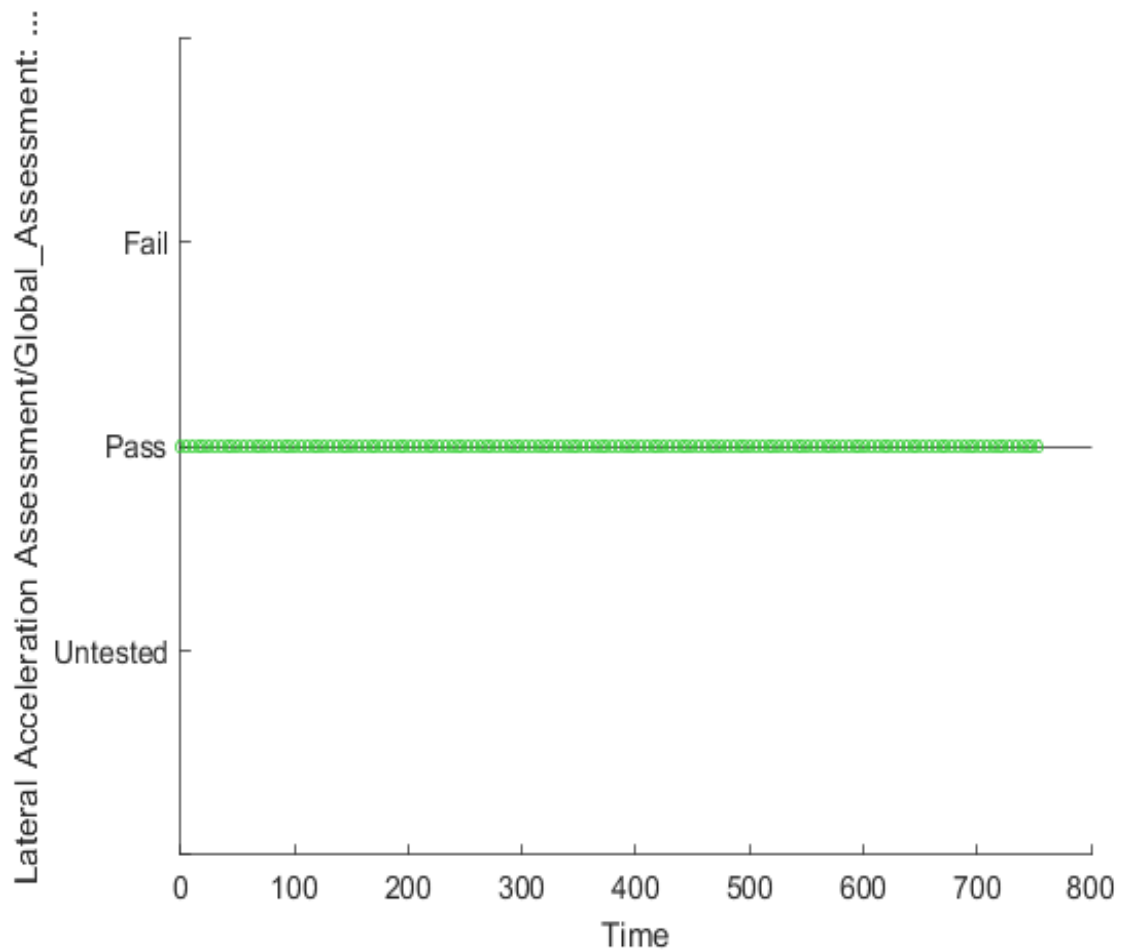
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<span>✓</span> Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev < 1)



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

Name
<div>  Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration&gt;=2,sec)&lt;=0.5) </div>



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

**Simulation**

**System Under Test Information**

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

Start Time: 0  
Stop Time: 759.09368017233703  
Checksum: 2813384938 3166038877 3099671345 3384845185

---

## Volkswagen Beetle

### Test Result Information

Result Type: Test Suite Result  
Parent: [Path Following test](#)  
Start Time: 29-Apr-2021 13:10:36  
End Time: 29-Apr-2021 13:18:30  
Outcome: Total: 13, Passed: 12, Failed: 1

### Test Suite Information

Name: Volkswagen Beetle

[Back to Report Summary](#)

---

## Switzerland

### Test Result Information

Result Type: Test Case Result  
Parent: [Volkswagen Beetle](#)  
Start Time: 29-Apr-2021 13:11:38  
End Time: 29-Apr-2021 13:13:00  
Outcome: Failed  
Cause of Failure: Failed criteria: Verification  
Description:

This is the slowest scenario considered, with lots of corners one after another.

We try to follow this scenario with 15 km/h speed.

### Test Case Information

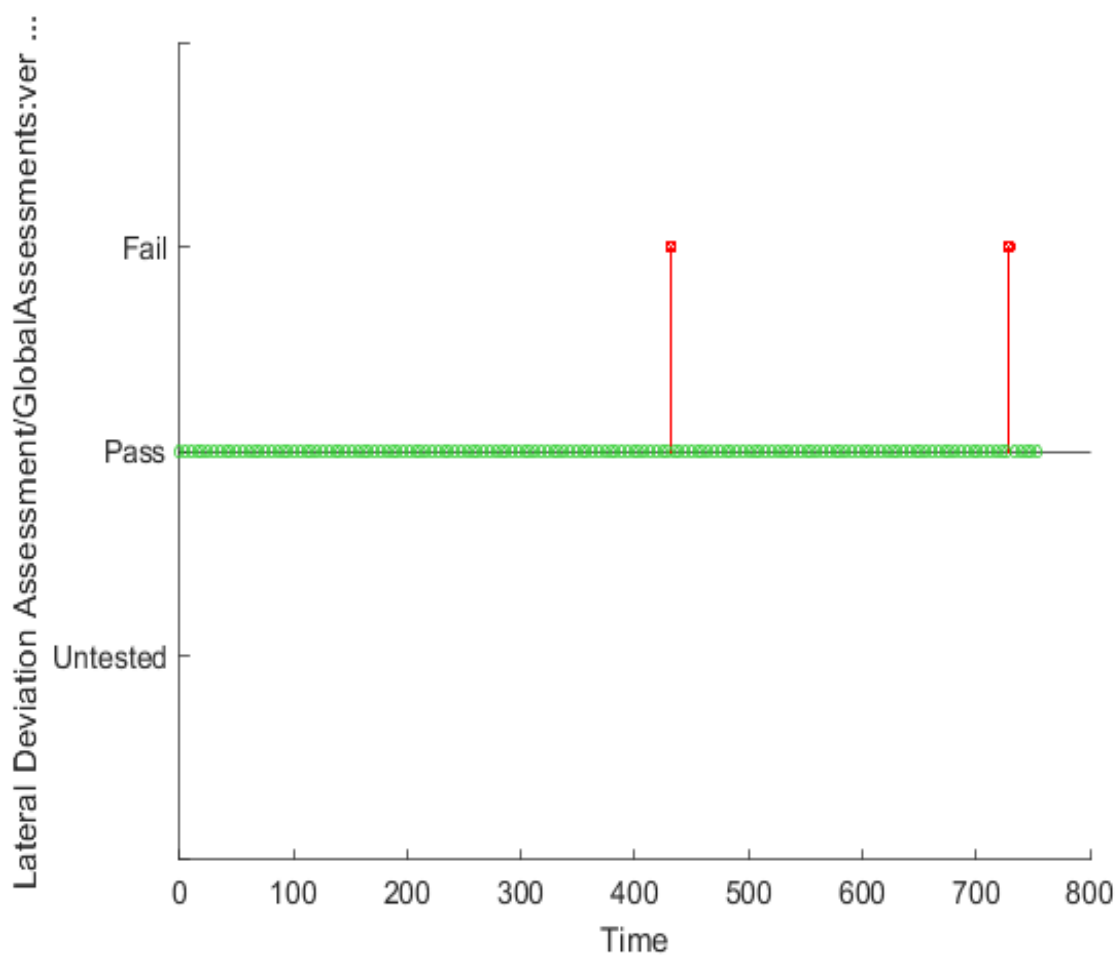
Name: Switzerland  
Type: Simulation Test



Verify Result

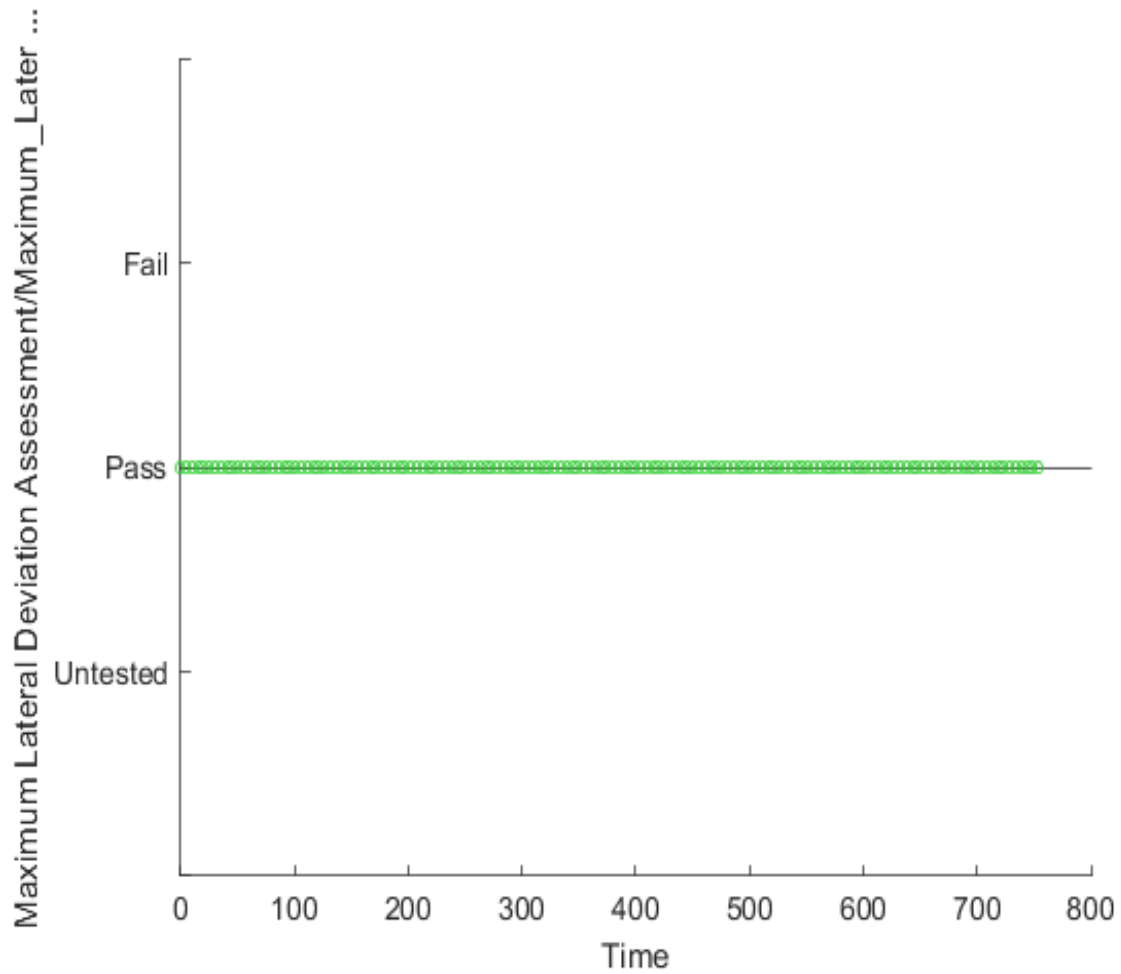
Name	Link to Plot
<div><div></div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div>	<a href="#">Link</a>
<div><div></div>Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1)</div>	<a href="#">Link</a>
<div><div></div>Lateral Acceleration Assessment/Global_Assessment:verify(duration(Lateral_acceleration&gt;=2,sec)&lt;=0.5)</div>	<a href="#">Link</a>

Name
<div><div></div>Lateral Deviation Assessment/GlobalAssessments:verify(duration(lateral_dev &gt; 0.75,sec)&lt;1)</div>



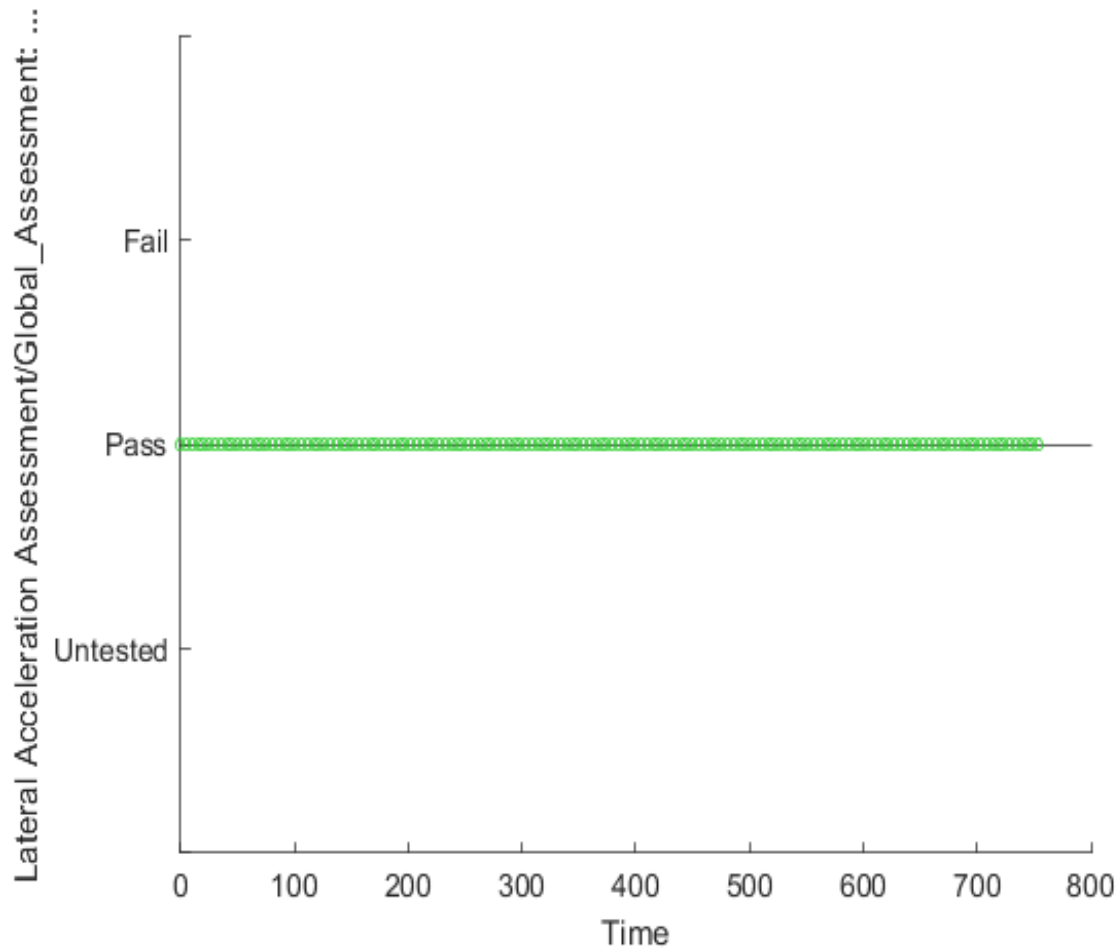
[Back to Report Summary](#)[Back to Signal Summary](#)

Name
<div>  Maximum Lateral Deviation Assessment/Maximum_Lateral_Dev_Assessment:verify(lateral_dev &lt; 1) </div>



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

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



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

## Simulation

### System Under Test Information

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

Start Time:	0
Stop Time:	759.09368017233703
Checksum:	2813384938 3166038877 3099671345 3384845185

---