















































Report Generated by Test Manager

Title: MPC-L Static Obstacle Avoidance -
Test Report
Author: Gianvincenzo Daddabbo, Gaetano
Gallo, Alberto Ruggeri, Martina Te
desco, Alessandro Toschi
Date: 22-Jun-2021 23:18:21

Test Environment

Platform: PCWIN64
MATLAB: (R2019b)

Summary

Name	Outcome	Duration (Seconds)
 Static obstacle avoidance	19  3 	806.241
 Multiple static obstacle 20km/h	19  3 	806.241
 0° 20km/h		45.988
 20° 20km/h		22.224
 45° 20km/h		25.606
 70° 20km/h		57.823
 90° 20km/h		17.01
 110° 20km/h		15.939
 135° 20km/h		21.557
 160° 20km/h		47.24
 180° 20km/h		15.118
 -20° 20km/h		15.806
 -45° 20km/h		20.784
 -70° 20km/h		47.366
 -90° 20km/h		14.673
 -110° 20km/h		15.524
 -135° 20km/h		23.164
 -160° 20km/h		53.746
 1000m curvature clockwise 20km/h		123.358
 500m curvature clockwise 20km/h		41.011
 300m curvature clockwise 20km/h		25.007
 300m curvature counterclockwise 20km/h		21.575
 500m curvature counterclockwise 20km/h		40.666

 [1000m curvature counterclockwise 20km/h](#)



94.785

Static_obstacle_avoidance

Test Result Information

Result Type: Test File Result
Parent: None
Start Time: 22-Jun-2021 22:48:02
End Time: 22-Jun-2021 23:01:28
Outcome: Total: 22, Passed: 19, Failed: 3

Test Suite Information

Name: Static_obstacle_avoidance

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Multiple_static_obstacle_20km/h

Test Result Information

Result Type: Test Suite Result
Parent: [Static_obstacle_avoidance](#)
Start Time: 22-Jun-2021 22:48:02
End Time: 22-Jun-2021 23:01:28
Outcome: Total: 22, Passed: 19, Failed: 3

Test Suite Information

Name: Multiple_static_obstacle_20km/h

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0° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple_static_obstacle_20km/h](#)
Start Time: 22-Jun-2021 22:48:02
End Time: 22-Jun-2021 22:48:48
Outcome: Passed

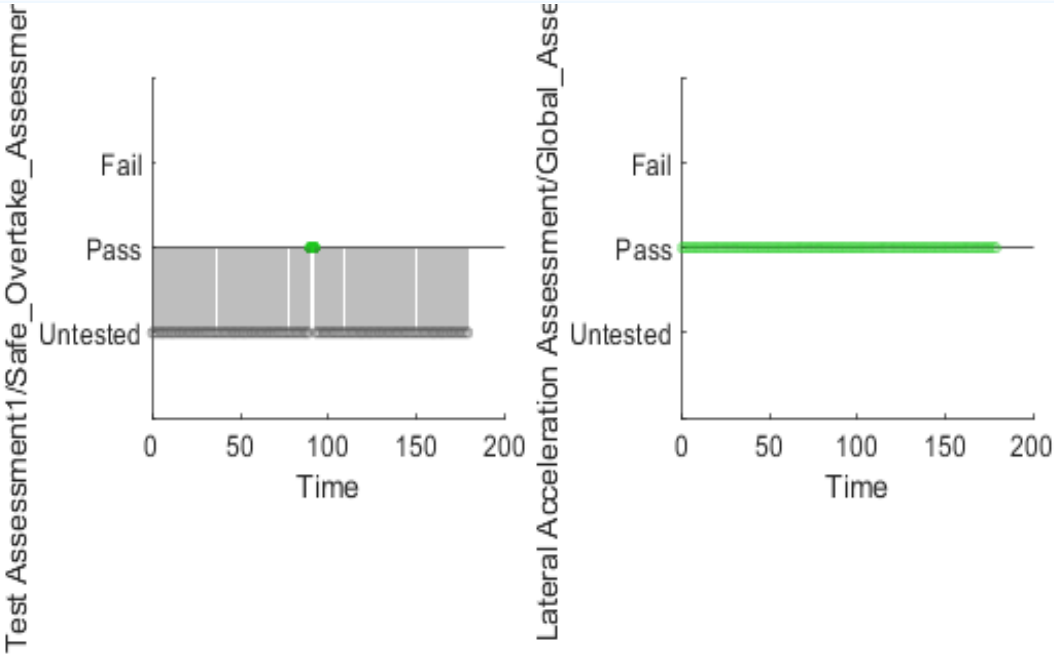
Test Case Information

Name: 0° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 180
Checksum: 3121641396 3419939079 1161504454 3127545204

20° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:48:48
End Time: 22-Jun-2021 22:49:10
Outcome: **Passed**

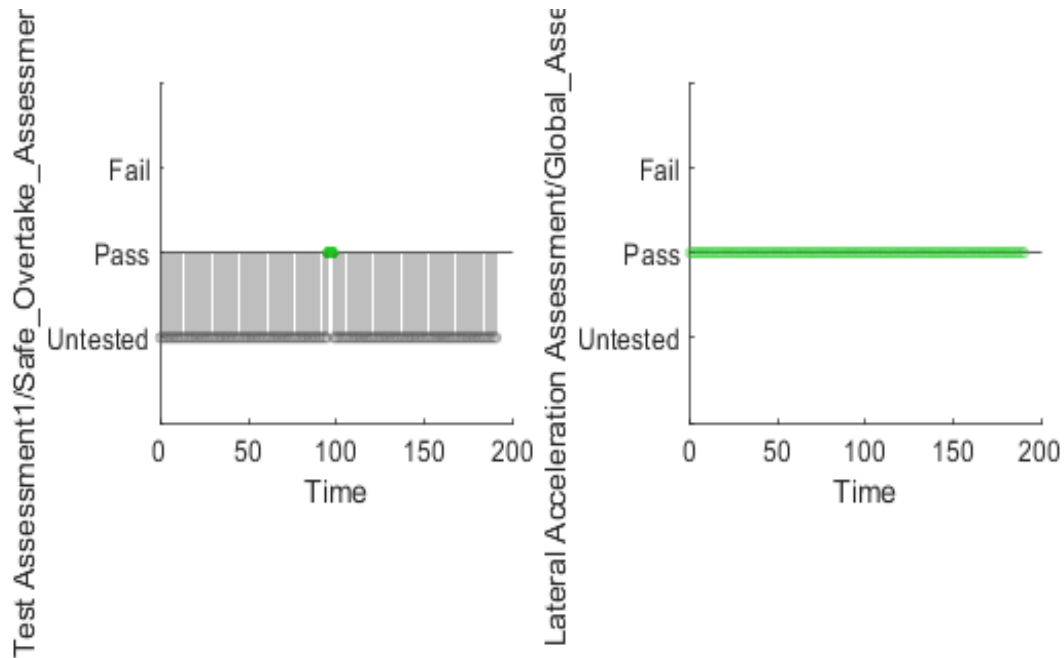
Test Case Information

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

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 191.55383159832644

Checksum:

3028683530 2311998619 3819099895 4065923934

45° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:49:10
End Time: 22-Jun-2021 22:49:36
Outcome: **Passed**

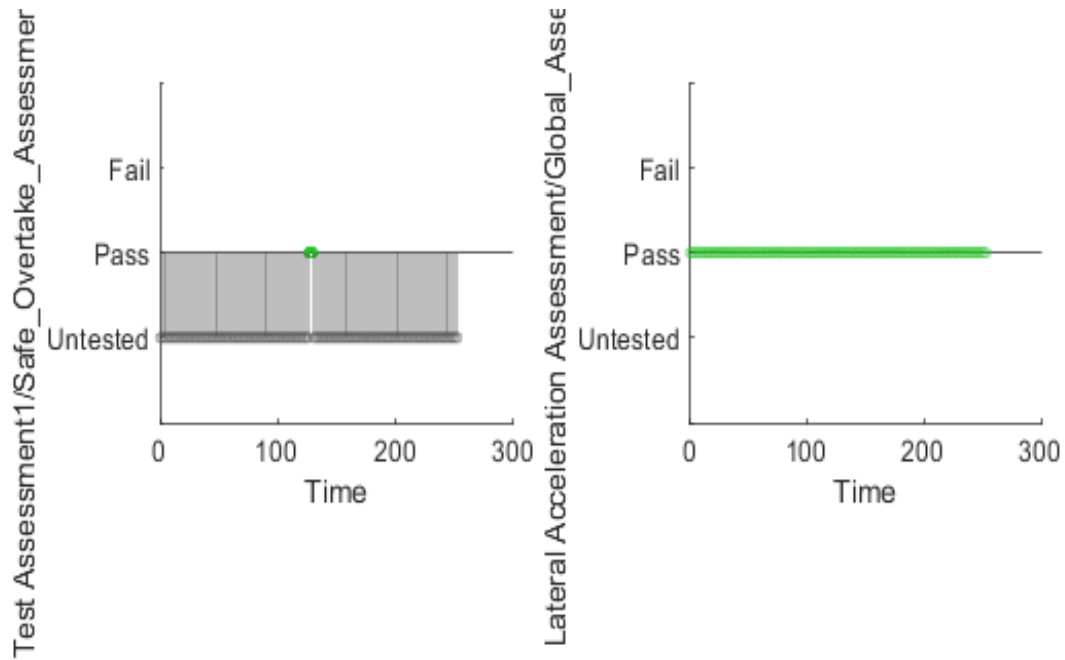
Test Case Information

Name: 45° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 254.55844122715712

Checksum:

597800156 3489142651 1791745040 2815047170

70° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:49:36
End Time: 22-Jun-2021 22:50:34
Outcome: **Passed**

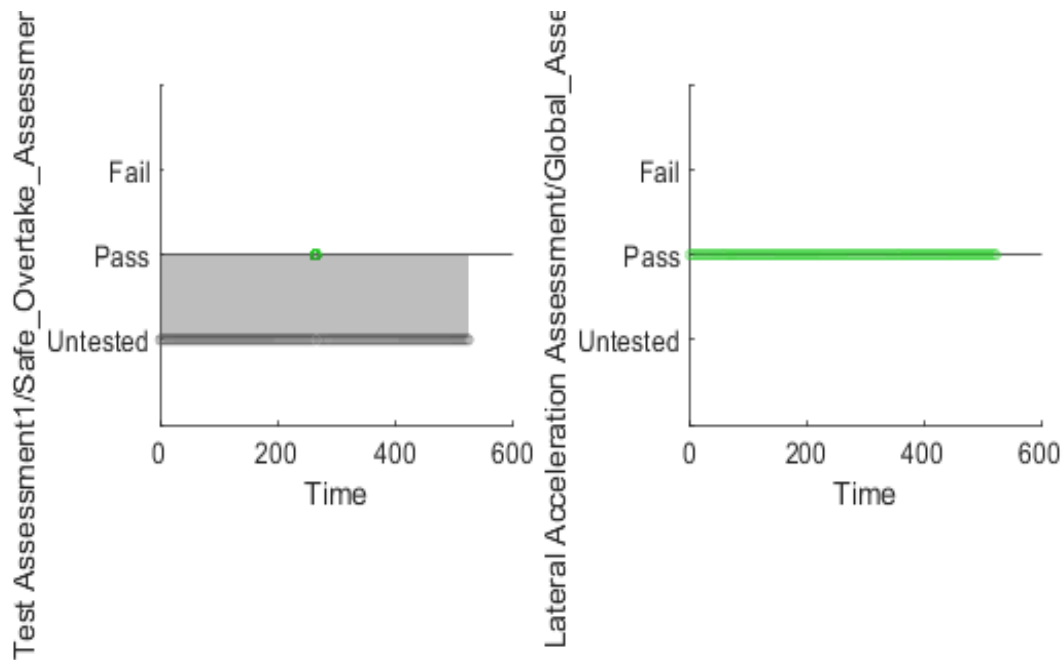
Test Case Information

Name: 70° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 526.2040398932719

Checksum:

656277445 775184525 172783236 2470612631

90° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:50:34
End Time: 22-Jun-2021 22:50:51
Outcome: **Passed**

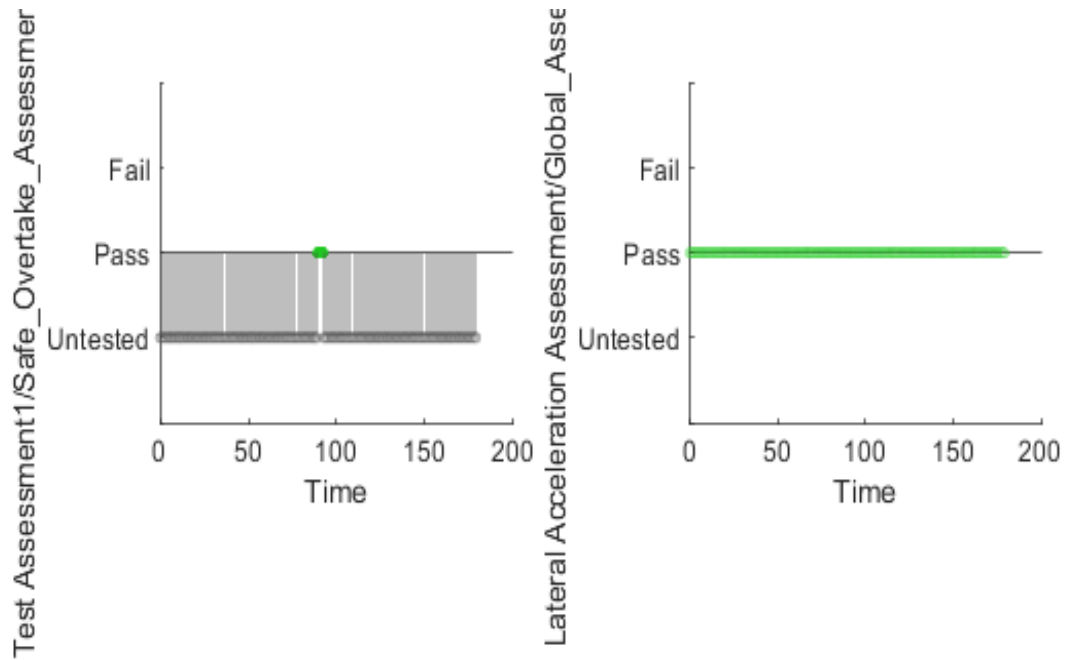
Test Case Information

Name: 90° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 180

Checksum:

3121641396 3419939079 1161504454 3127545204

110° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:50:51
End Time: 22-Jun-2021 22:51:07
Outcome: **Passed**

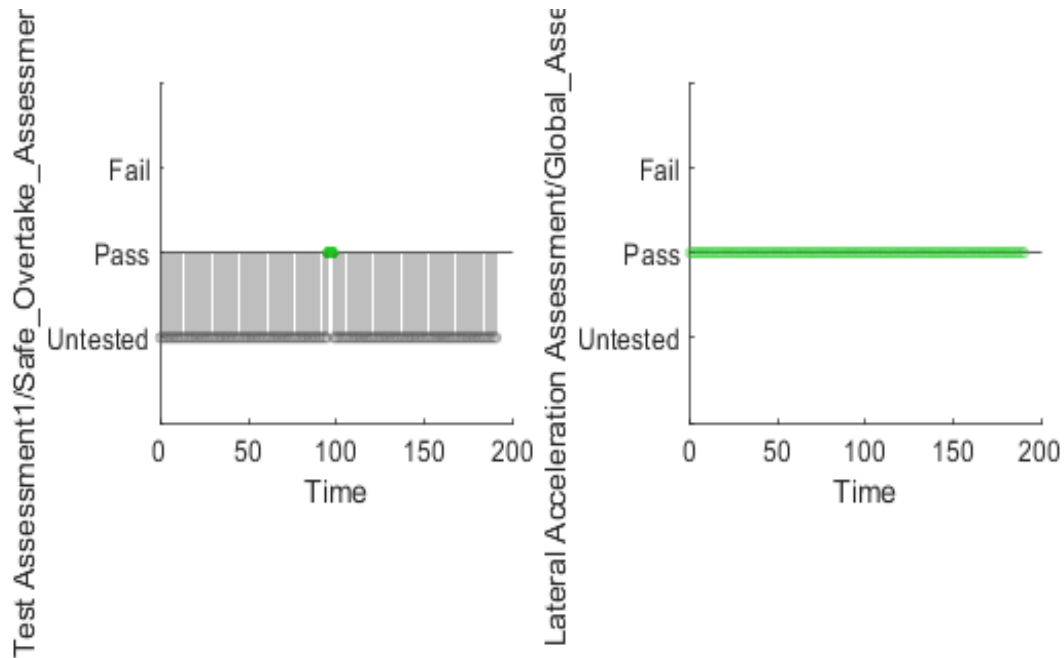
Test Case Information

Name: 110° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
 Simulation Mode: normal
 Override SIL or PIL Mod 0
 e:
 Configuration Set: Configuration
 Start Time: 0
 Stop Time: 191.55383159832644

Checksum:

3028683530 2311998619 3819099895 4065923934

135° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:51:07
End Time: 22-Jun-2021 22:51:28
Outcome: **Failed**
Cause of Failure: **Failed criteria: Verification**

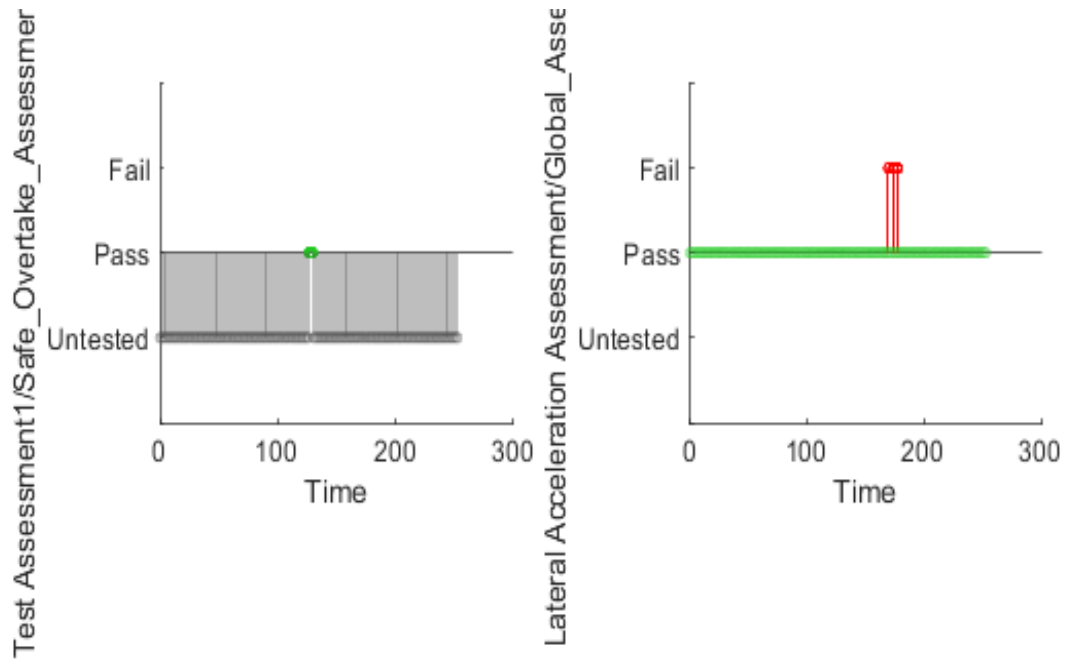
Test Case Information

Name: 135° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
 Simulation Mode: normal
 Override SIL or PIL Mod 0
 e:
 Configuration Set: Configuration
 Start Time: 0
 Stop Time: 254.55844122715712

Checksum:

597800156 3489142651 1791745040 2815047170

160° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:51:28
End Time: 22-Jun-2021 22:52:16
Outcome: **Passed**

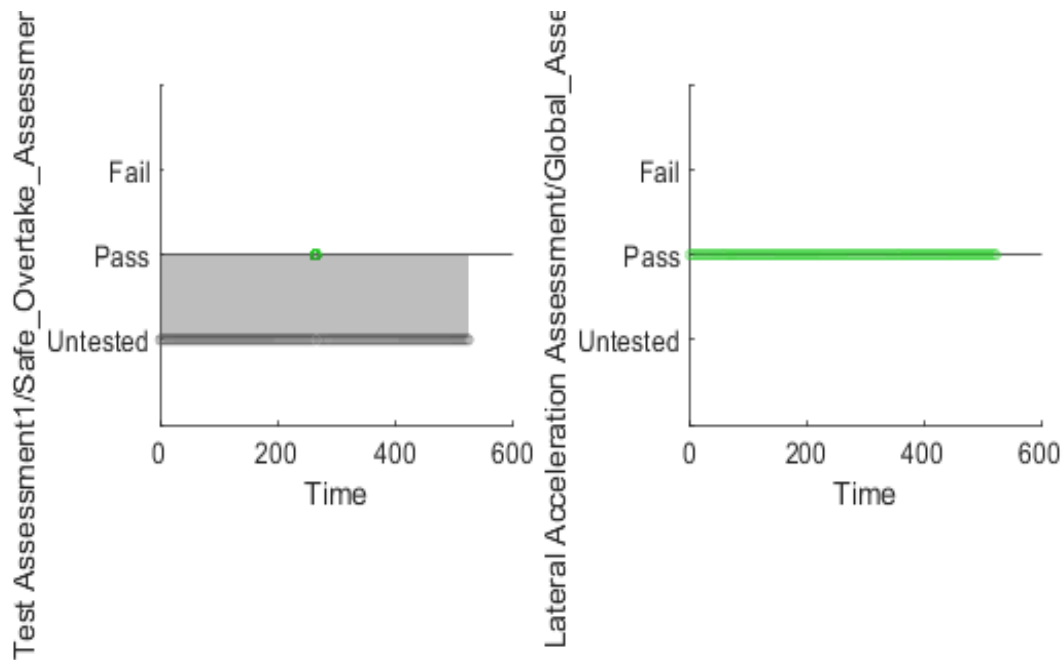
Test Case Information

Name: 160° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 526.2040398932719

Checksum:

656277445 775184525 172783236 2470612631

180° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:52:16
End Time: 22-Jun-2021 22:52:31
Outcome: **Passed**

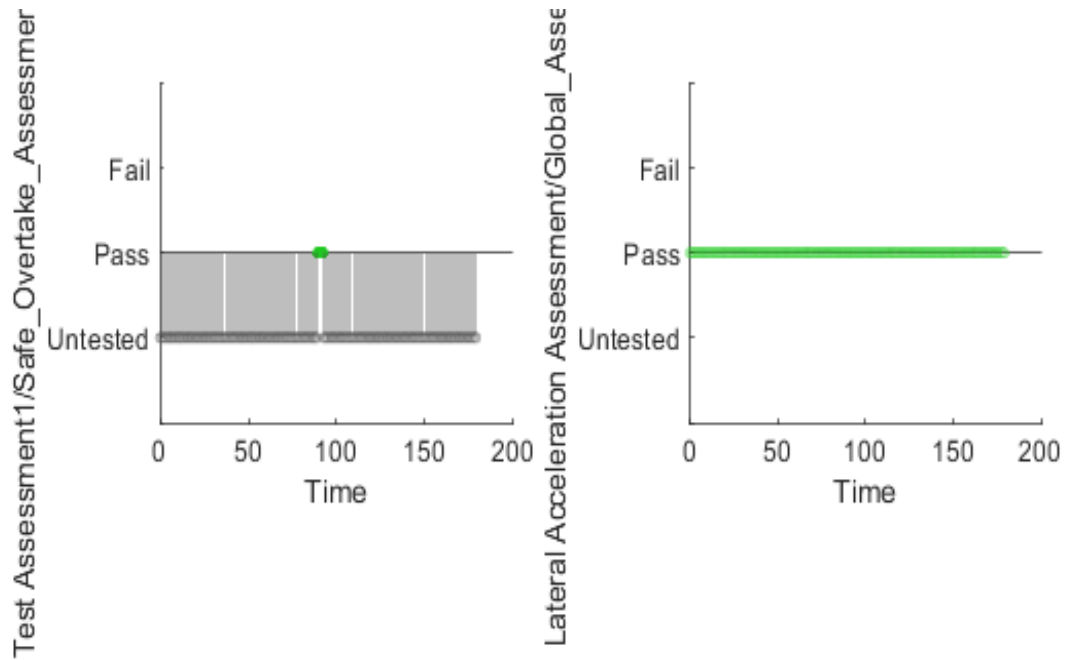
Test Case Information

Name: 180° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 180

Checksum:

3121641396 3419939079 1161504454 3127545204

-20° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:52:31
End Time: 22-Jun-2021 22:52:47
Outcome: **Passed**

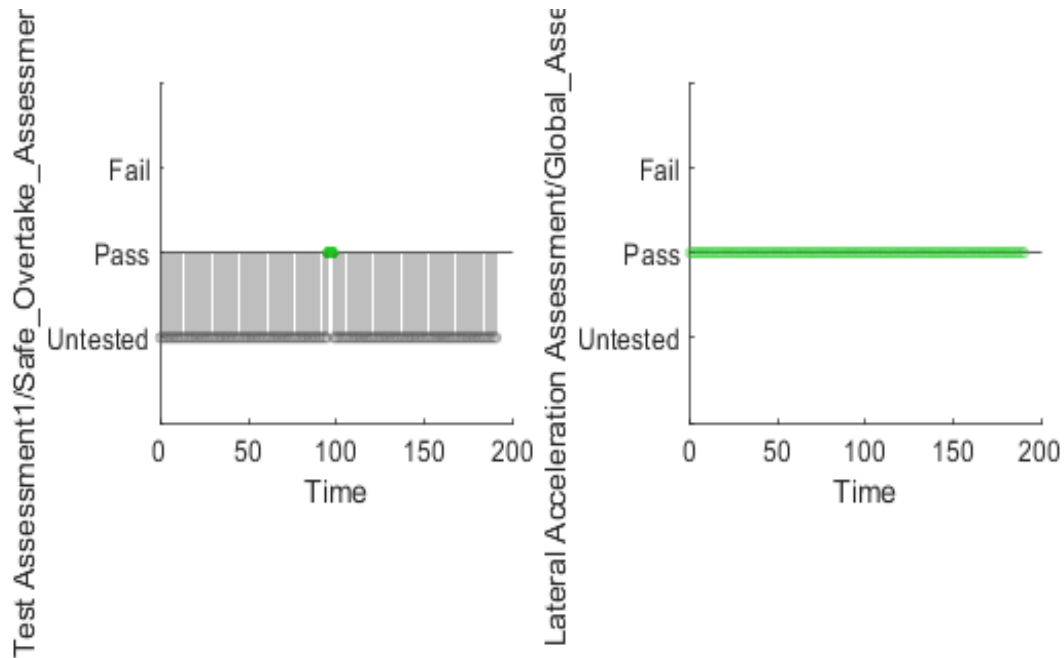
Test Case Information

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

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 191.55383159832644

Checksum:

3028683530 2311998619 3819099895 4065923934

-45° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:52:47
End Time: 22-Jun-2021 22:53:07
Outcome: **Passed**

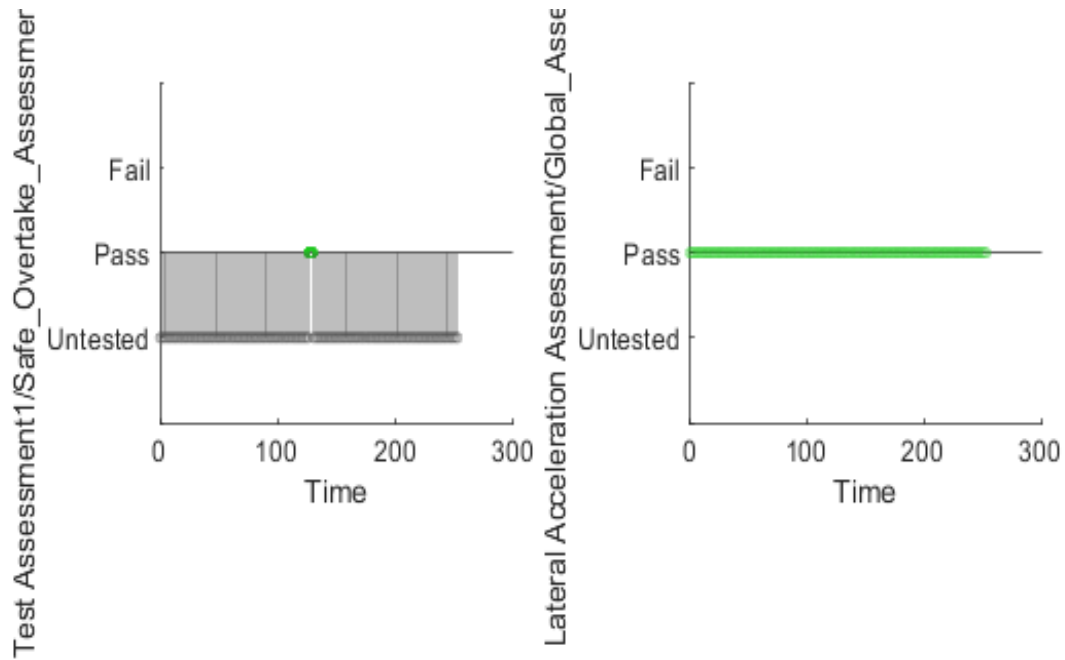
Test Case Information

Name: -45° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 254.55844122715712

Checksum:

597800156 3489142651 1791745040 2815047170

-70° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:53:07
End Time: 22-Jun-2021 22:53:55
Outcome: **Passed**

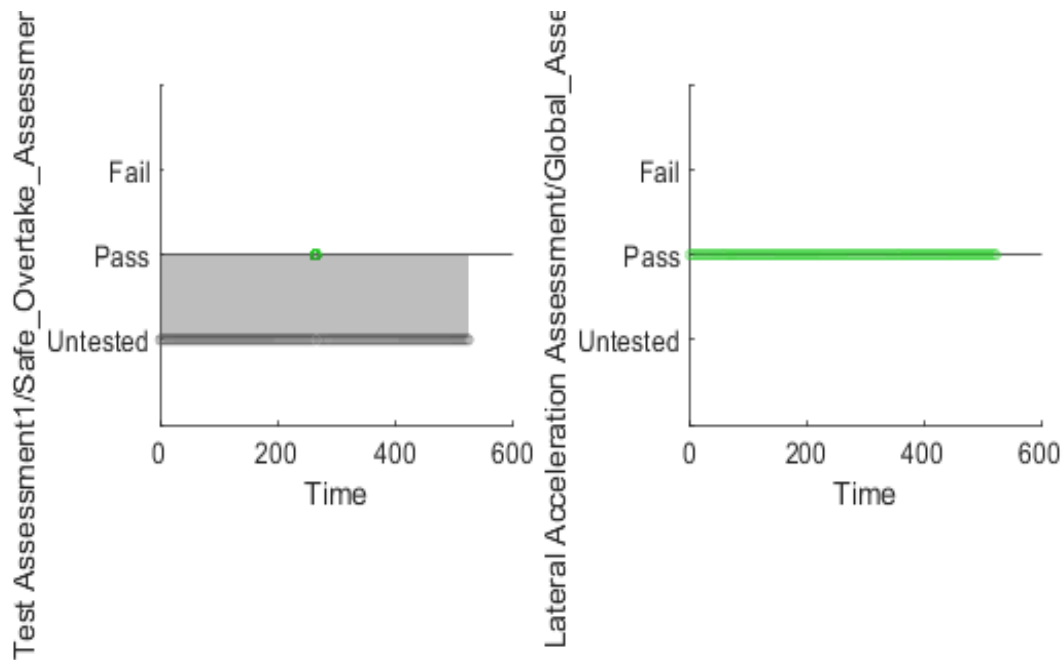
Test Case Information

Name: -70° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 526.2040398932719

Checksum:

656277445 775184525 172783236 2470612631

-90° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:53:55
End Time: 22-Jun-2021 22:54:09
Outcome: **Passed**

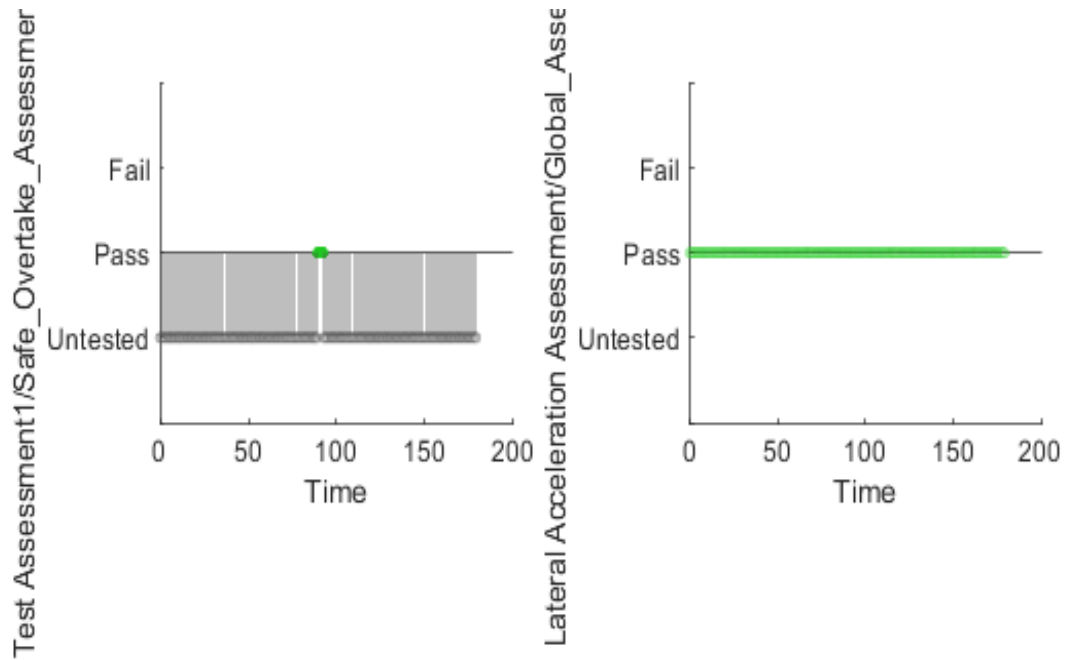
Test Case Information

Name: -90° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 180

Checksum:

3121641396 3419939079 1161504454 3127545204

-110° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:54:10
End Time: 22-Jun-2021 22:54:25
Outcome: **Passed**

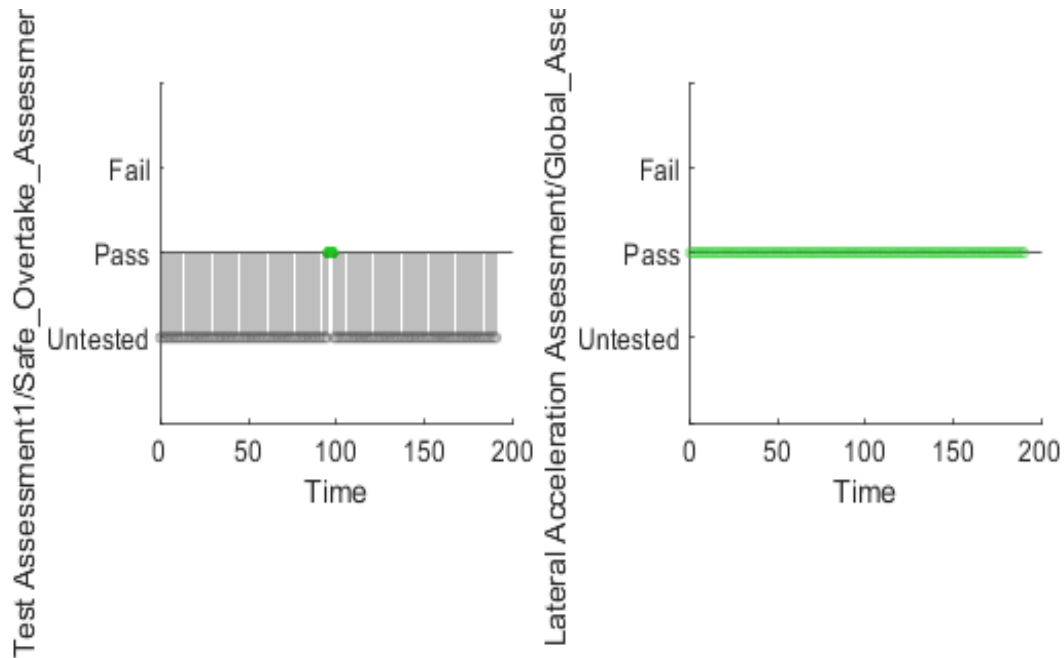
Test Case Information

Name: -110° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
 Simulation Mode: normal
 Override SIL or PIL Mod 0
 e:
 Configuration Set: Configuration
 Start Time: 0
 Stop Time: 191.55383159832644

Checksum:

3028683530 2311998619 3819099895 4065923934

-135° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:54:25
End Time: 22-Jun-2021 22:54:48
Outcome: **Passed**

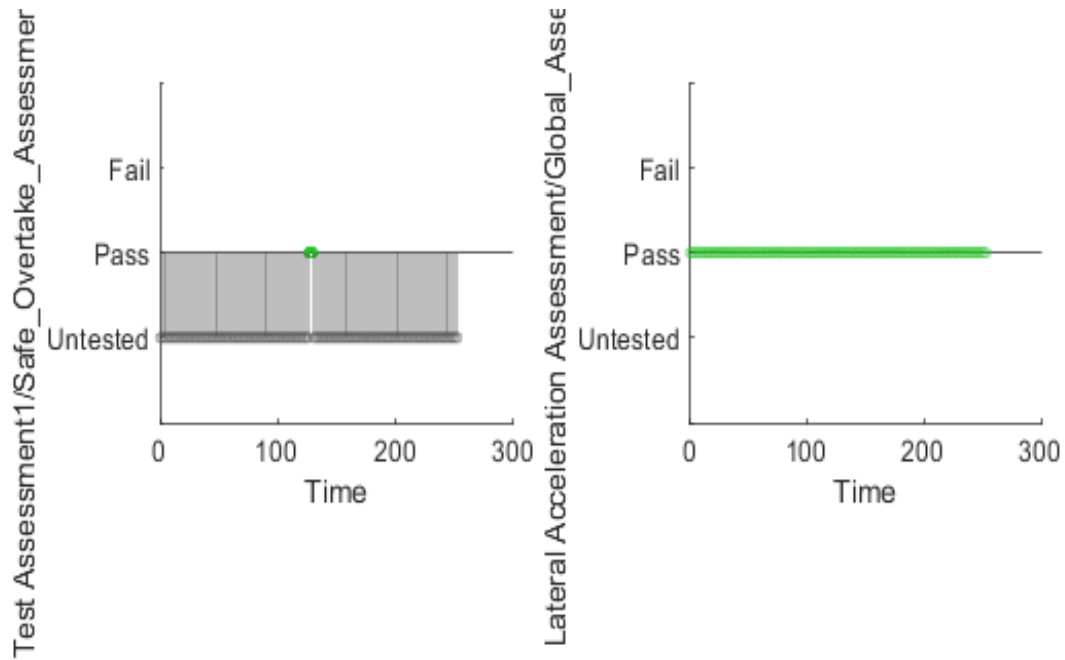
Test Case Information

Name: -135° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 254.55844122715712

Checksum:

597800156 3489142651 1791745040 2815047170

-160° 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:54:48
End Time: 22-Jun-2021 22:55:42
Outcome: **Passed**

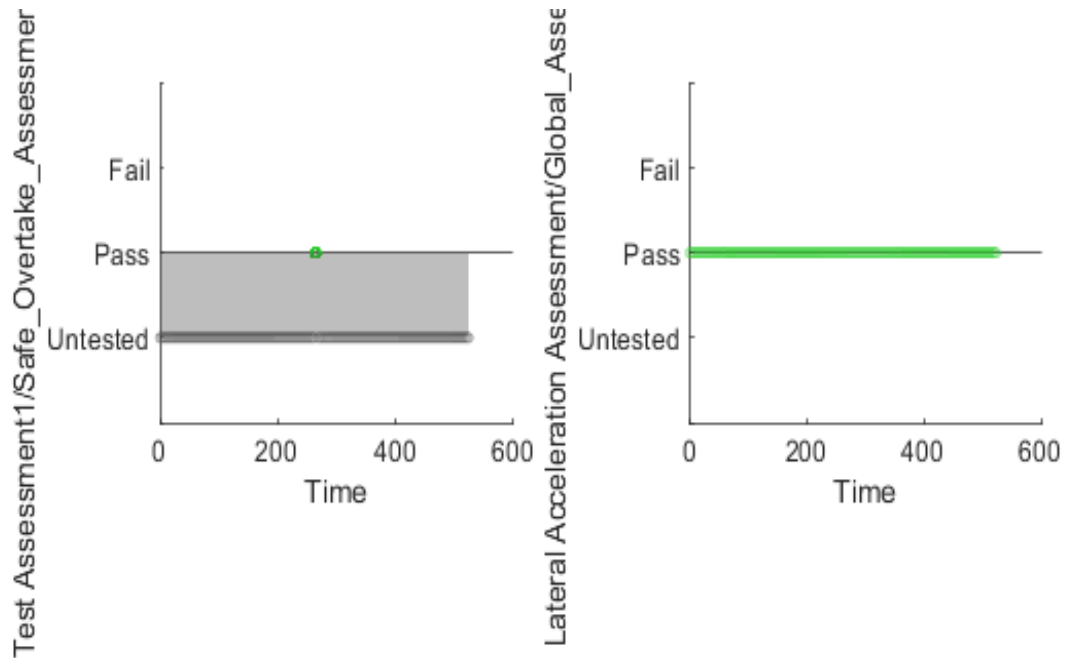
Test Case Information

Name: -160° 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 526.2040398932719

Checksum:

656277445 775184525 172783236 2470612631

1000m curvature clockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:55:42
End Time: 22-Jun-2021 22:57:45
Outcome: **Passed**

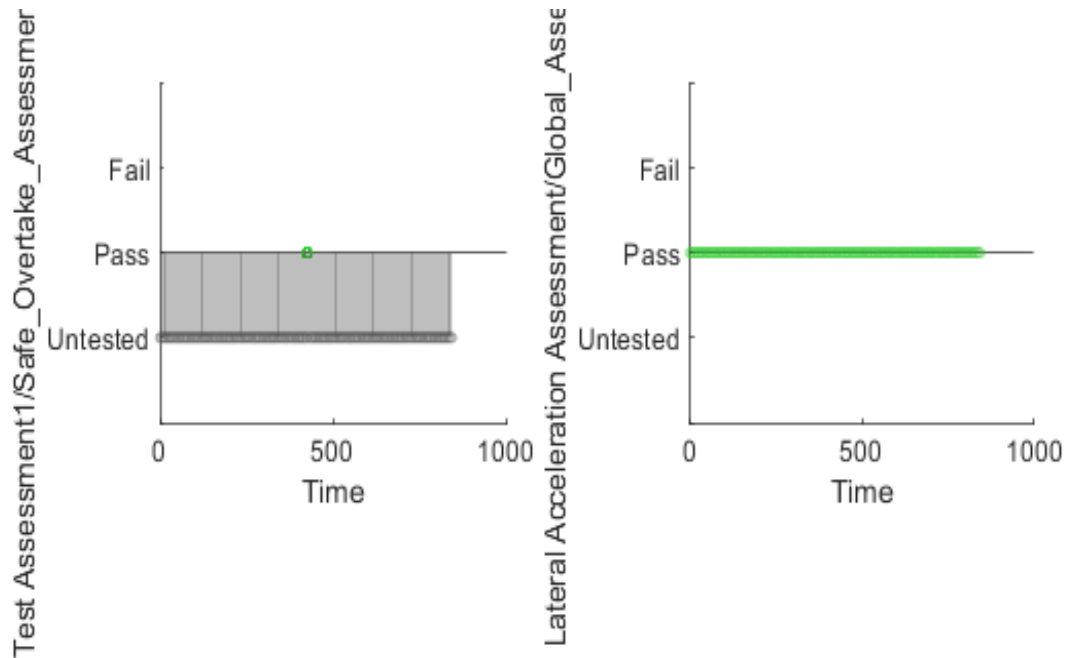
Test Case Information

Name: 1000m curvature clockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 848.24000000048966

Checksum:

367791503 2850473096 1347870374 1563569454

500m curvature clockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:57:45
End Time: 22-Jun-2021 22:58:26
Outcome: **Failed**
Cause of Failure: **Failed criteria: Verification**

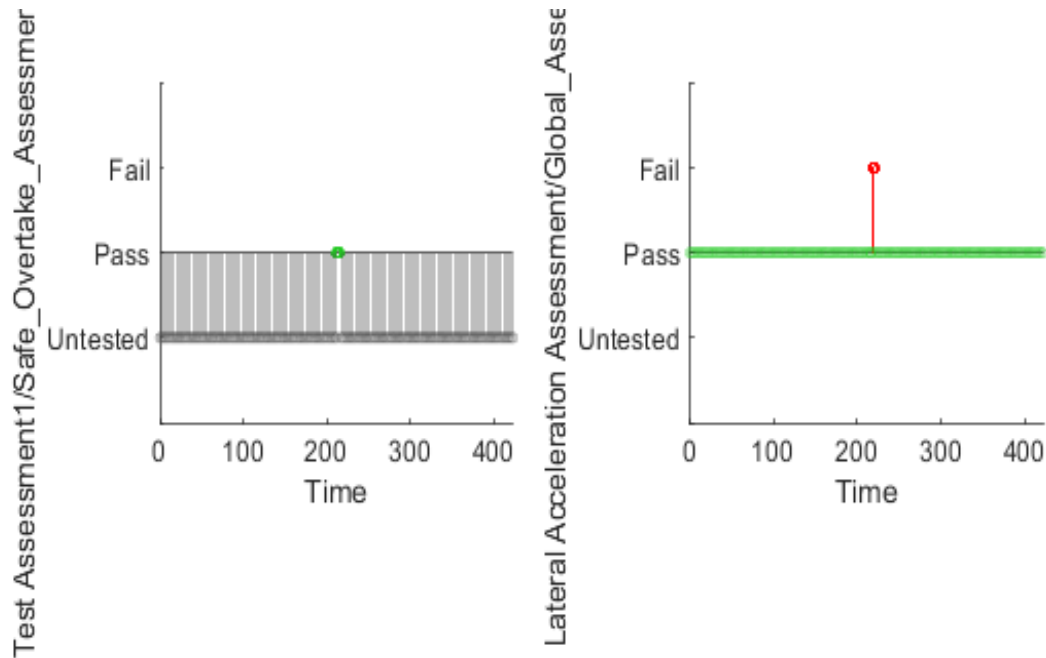
Test Case Information

Name: 500m curvature clockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
 Simulation Mode: normal
 Override SIL or PIL Mod 0
 e:
 Configuration Set: Configuration
 Start Time: 0
 Stop Time: 424.11999999999045

Checksum:

1984062805 2383103527 1658607552 3843513400

300m curvature clockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:58:26
End Time: 22-Jun-2021 22:58:51
Outcome: **Failed**
Cause of Failure: **Failed criteria: Verification**

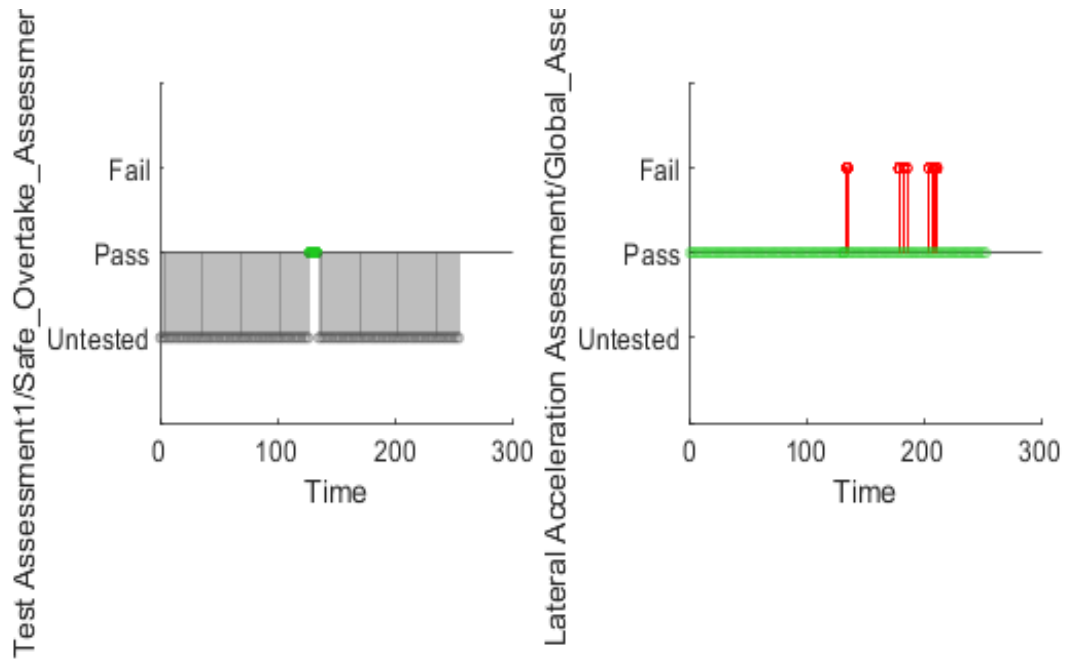
Test Case Information

Name: 300m curvature clockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 254.47999999996375

Checksum:

2091285330 1466153123 3694488400 3516857563

300m curvature counterclockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:58:51
End Time: 22-Jun-2021 22:59:13
Outcome: **Passed**

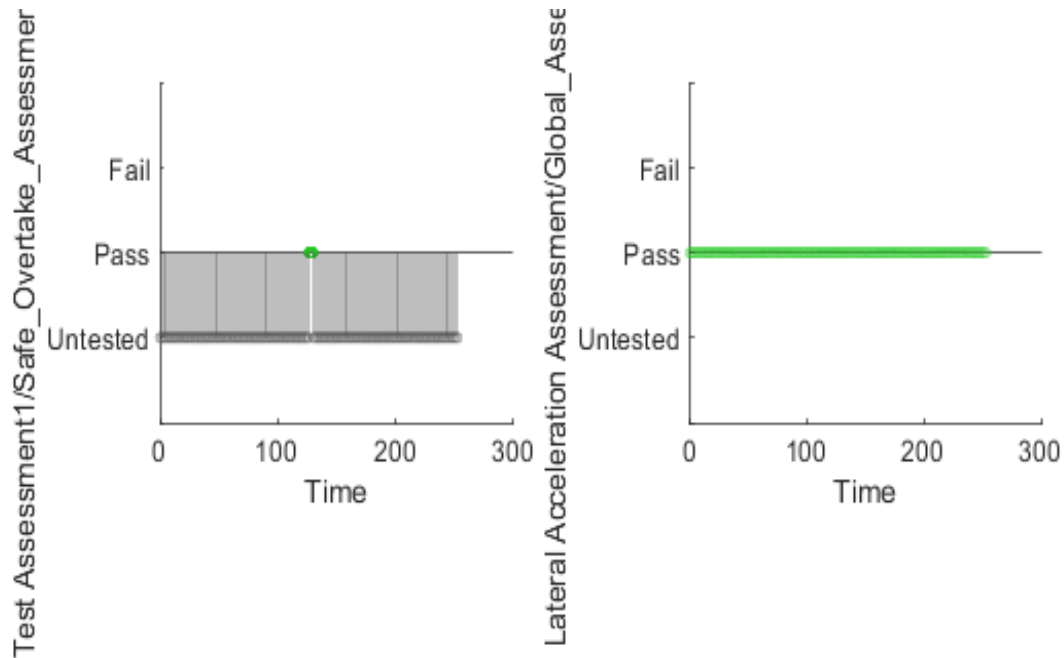
Test Case Information

Name: 300m curvature counterclockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 254.47999999996375

Checksum:

2091285330 1466153123 3694488400 3516857563

500m curvature counterclockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:59:13
End Time: 22-Jun-2021 22:59:54
Outcome: **Passed**

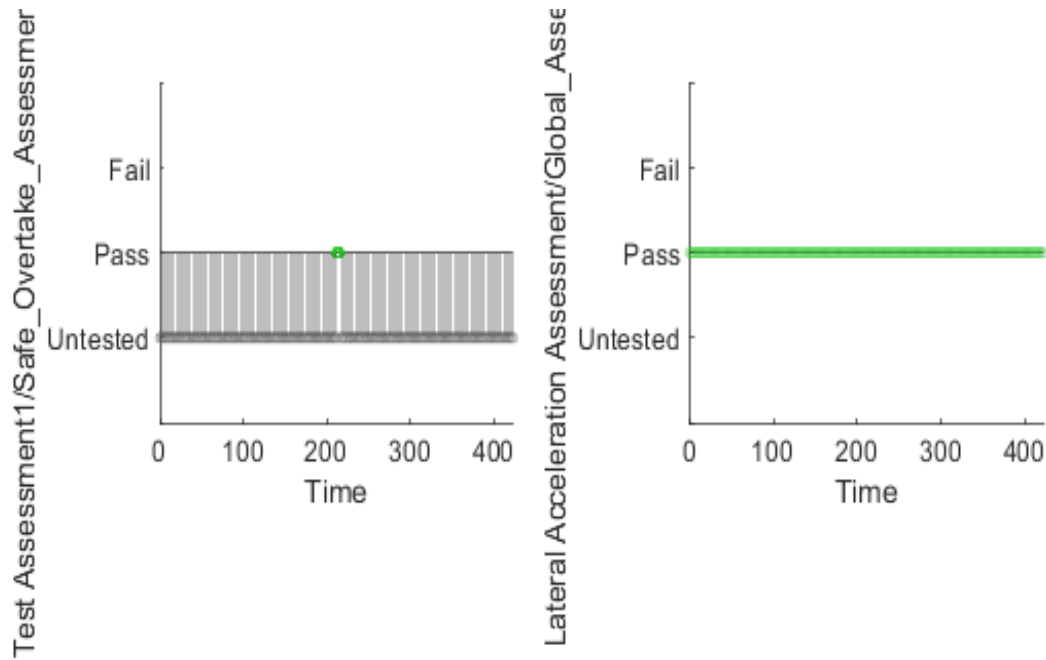
Test Case Information

Name: 500m curvature counterclockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 424.11999999999045

Checksum:

1984062805 2383103527 1658607552 3843513400

1000m curvature counterclockwise 20km/h

Test Result Information

Result Type: Test Case Result
Parent: [Multiple static obstacle 20km/h](#)
Start Time: 22-Jun-2021 22:59:54
End Time: 22-Jun-2021 23:01:28
Outcome: **Passed**

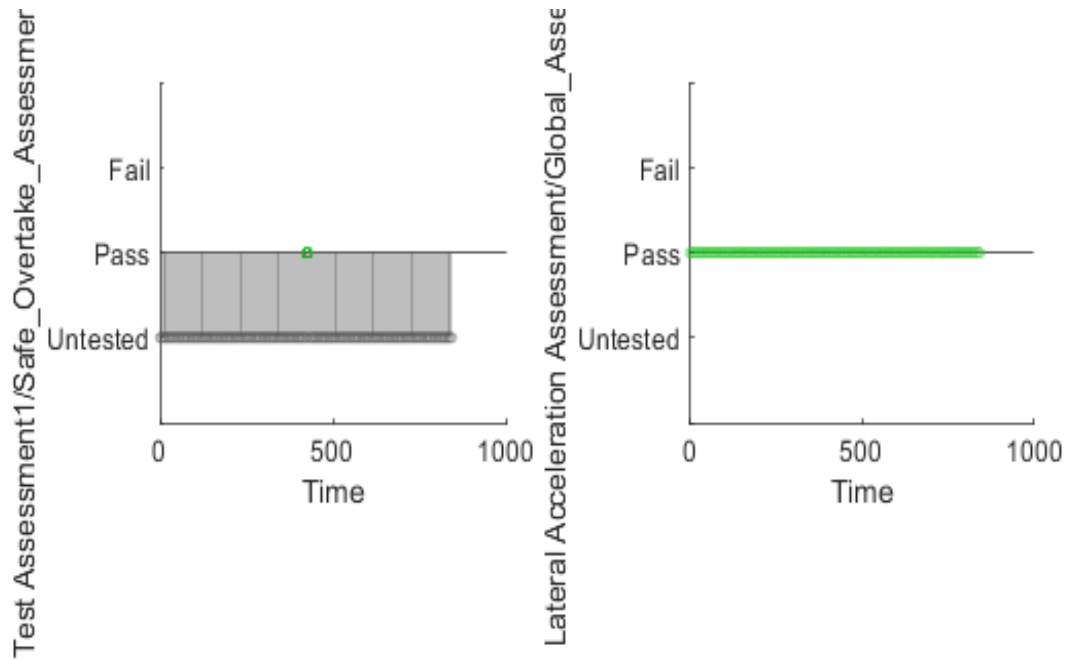
Test Case Information

Name: 1000m curvature counterclockwise 20km/h
Type: Simulation Test

Verify Result

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

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



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Simulation

System Under Test Information

Model: Dynamic_obstacle_avoidance_L
Simulation Mode: normal
Override SIL or PIL Mod 0
e:
Configuration Set: Configuration
Start Time: 0
Stop Time: 848.24000000048966

Checksum:

367791503 2850473096 1347870374 1563569454
