**Test protocol**

T-FUNC009 ADAS-HW-1-4

1)AV turn anti-clockwise in a given angle.

**Test procedure:**

For this test the Microcontroller must be flashed with a given driving behavior. The area have to be clear without any obstacles. The first step is to change the parameter turn in the program. The AV have to turn anti-clockwise in the given angle and stop after the angle is reached.

The test will be passed if 80% of the executions the AV turn with an angle with a tolerance of +- 5 degree.

**Test parameters:**

Test Area = 2x2 m

Test setup can be found on page 3.

**Test table:**

|  |  |  |
| --- | --- | --- |
| **Test Number** | **Test angles in degree** | **Deviation of given angle in degree** |
| 1 | -10 |  |
| 2 | -10 |  |
| 3 | -10 |  |
| 4 | -10 |  |
| 5 | -10 |  |
| 6 | -20 |  |
| 7 | -20 |  |
| 8 | -20 |  |
| 9 | -20 |  |
| 10 | -20 |  |
| 11 | -30 |  |
| 12 | -30 |  |
| 13 | -30 |  |
| 14 | -30 |  |
| 15 | -30 |  |
| 16 | -45 |  |
| 17 | -45 |  |
| 18 | -45 |  |
| 19 | -45 |  |
| 20 | -45 |  |
| 21 | -60 |  |
| 22 | -60 |  |
| 23 | -60 |  |
| 24 | -60 |  |
| 25 | -60 |  |
| 26 | -90 |  |
| 27 | -90 |  |
| 28 | -90 |  |
| 29 | -90 |  |
| 30 | -90 |  |
| 31 | -110 |  |
| 32 | -110 |  |
| 33 | -110 |  |
| 34 | -110 |  |
| 35 | -110 |  |
| 36 | -135 |  |
| 37 | -135 |  |
| 38 | -135 |  |
| 39 | -135 |  |
| 40 | -135 |  |

**Test evaluation:**

**Test setup:**

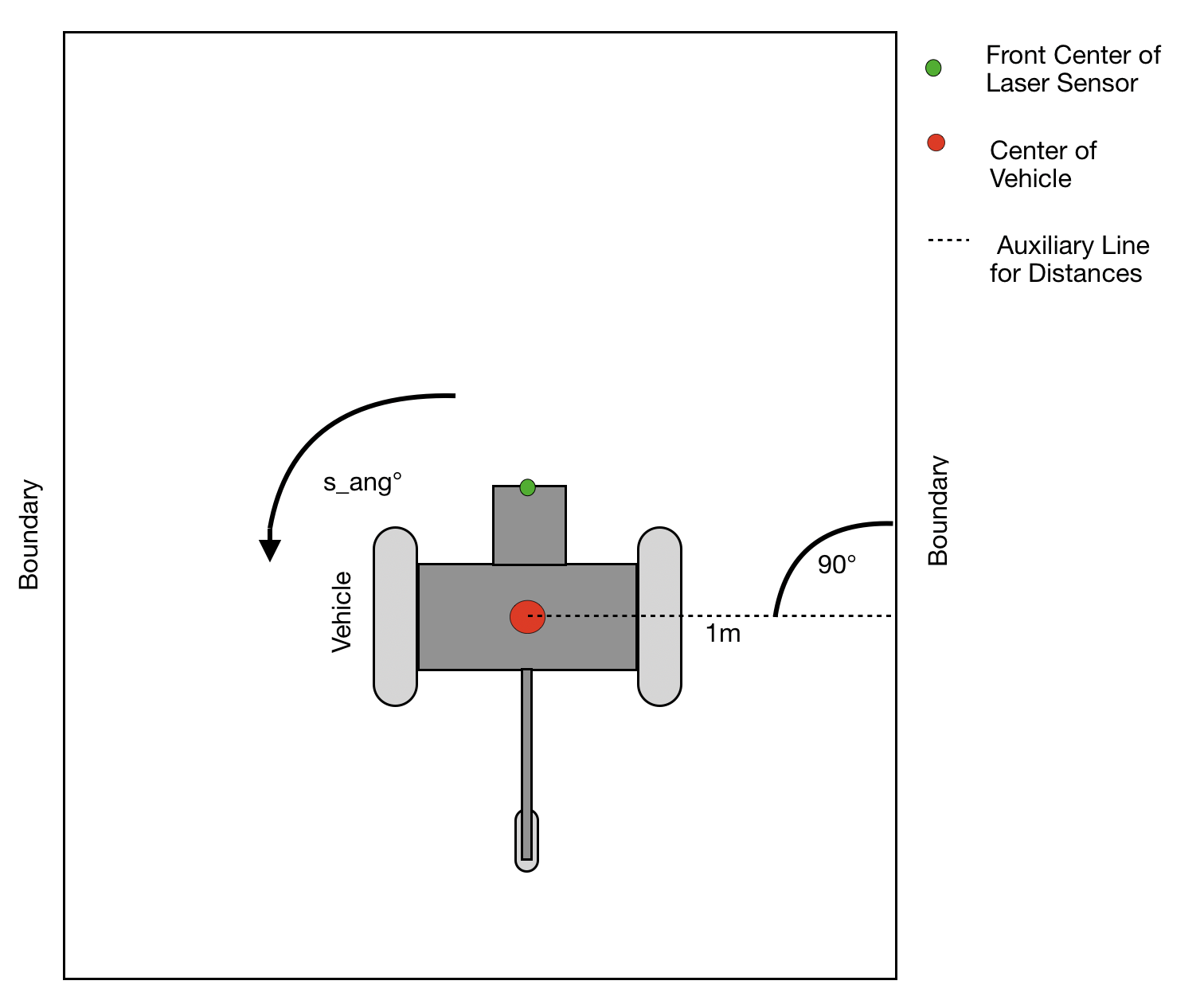


Figure 1: Test area with AV turn anti-clockwise