

Test Setup Photographs for Radio Moduel MPCIE-R1-ABGNAC-U4

1. Transmitter Cabinet Radiated Emissions

1.1. Configuration 1: Cabinet Radiated Emissions: 9 kHz to 30 MHz @ 3 m

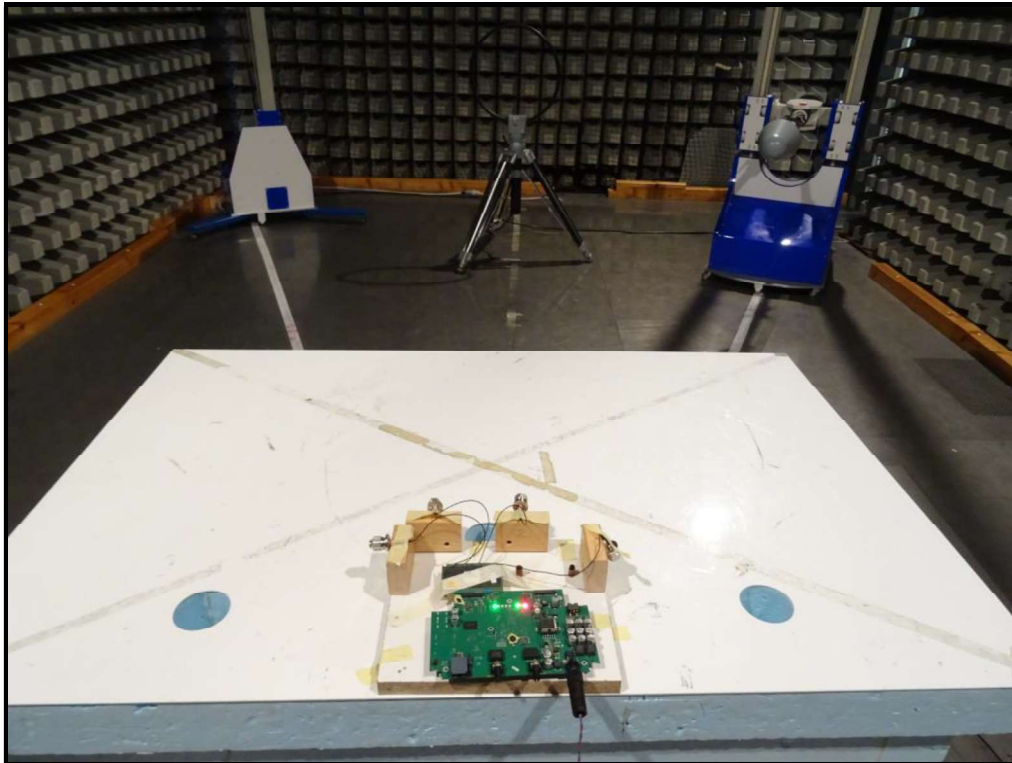


Photo 1: Terminated Ports 1+2+3+4 with 50 Ω

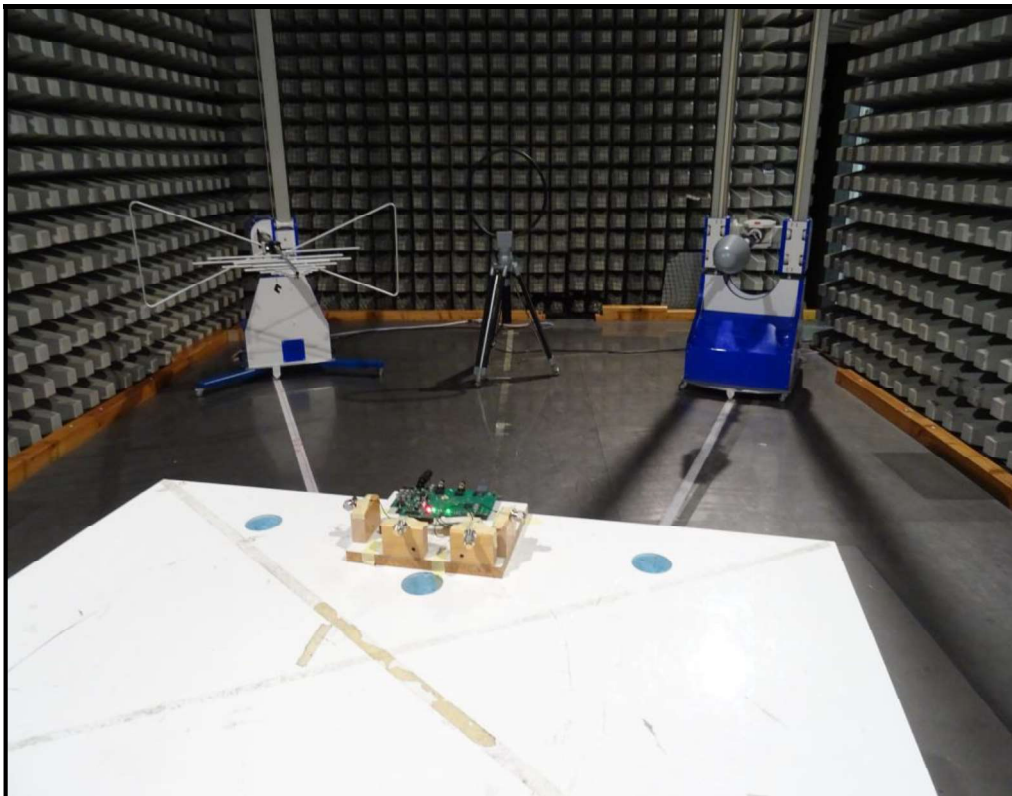


Photo 2: Terminated Ports 1+2+3+4 with 50 Ω

Transmitter Cabinet Radiated Emissions (continued)

1.2. Configuration 1: Cabinet Radiated Emissions: 30 MHz to 1GHz @ 3 m

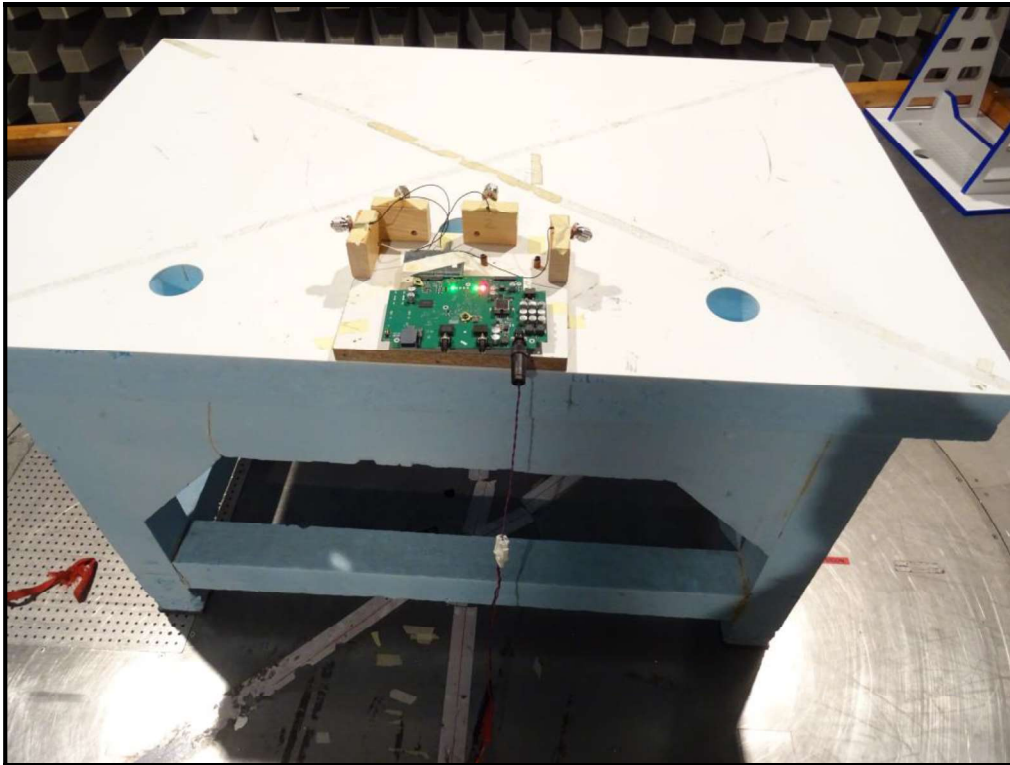


Photo 3: Terminated Ports 1+2+3+4 with 50 Ω

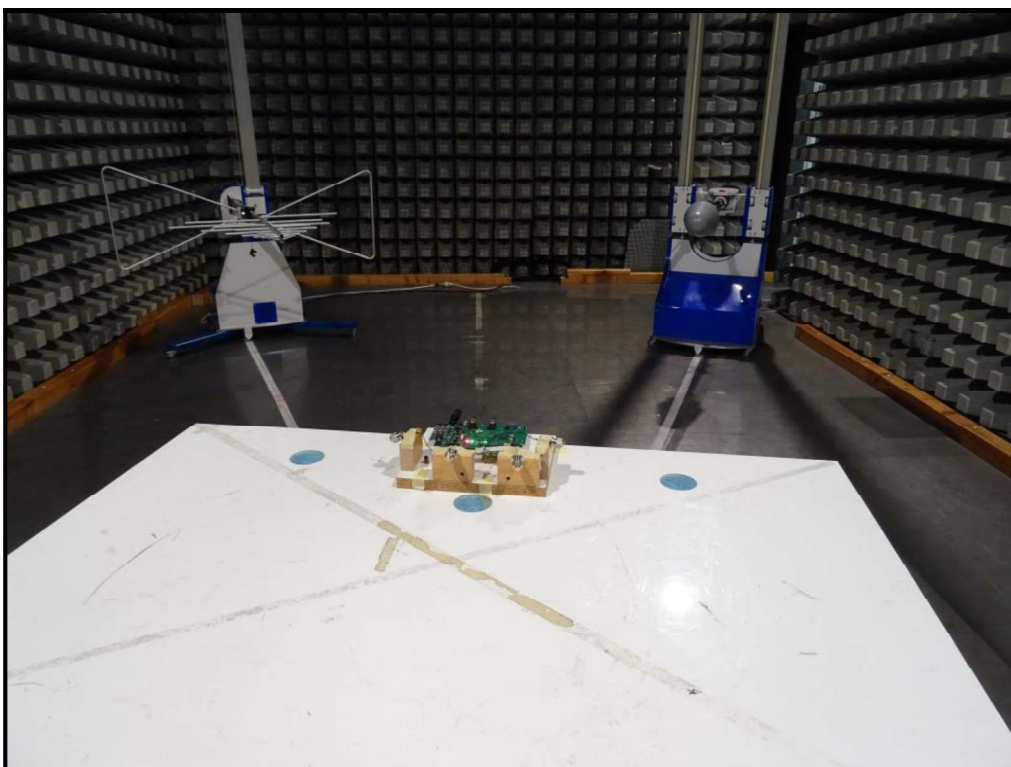


Photo 4: Terminated Ports 1+2+3+4 with 50 Ω

Transmitter Cabinet Radiated Emissions (continued)

1.3. Configuration 1: Cabinet Radiated Emissions: 1 GHz to 18 GHz @ 3 m

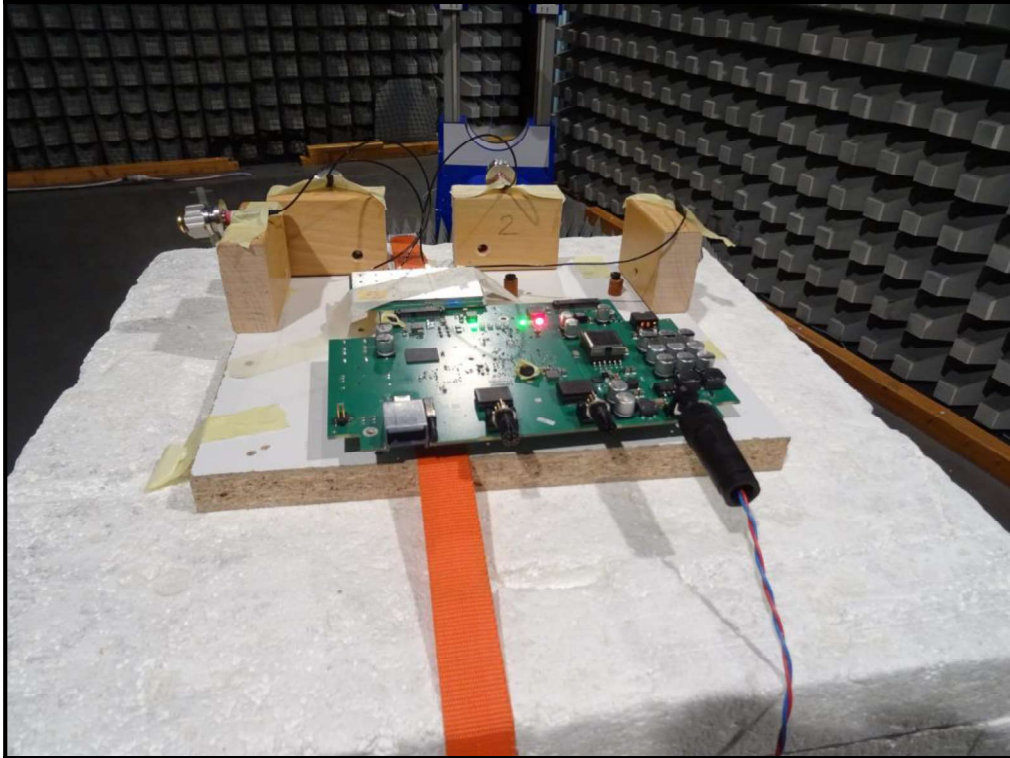


Photo 5: Terminated Ports 1+2+3+4 with 50 Ω

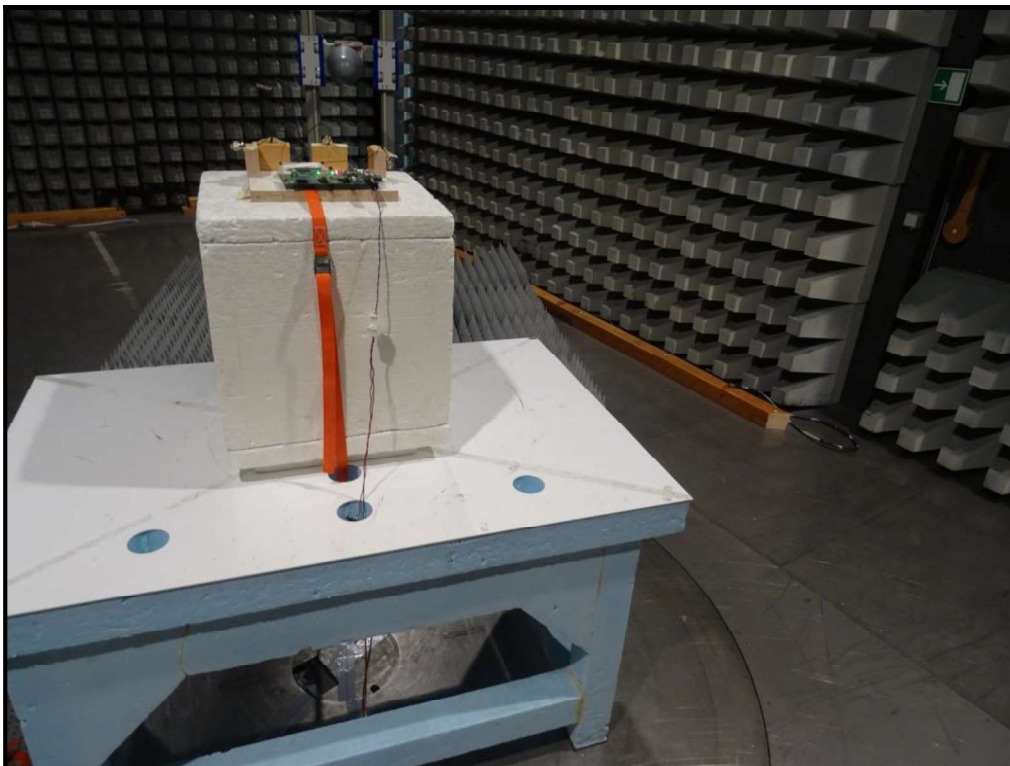


Photo 6: Terminated Ports 1+2+3+4 with 50 Ω

Transmitter Cabinet Radiated Emissions (continued)

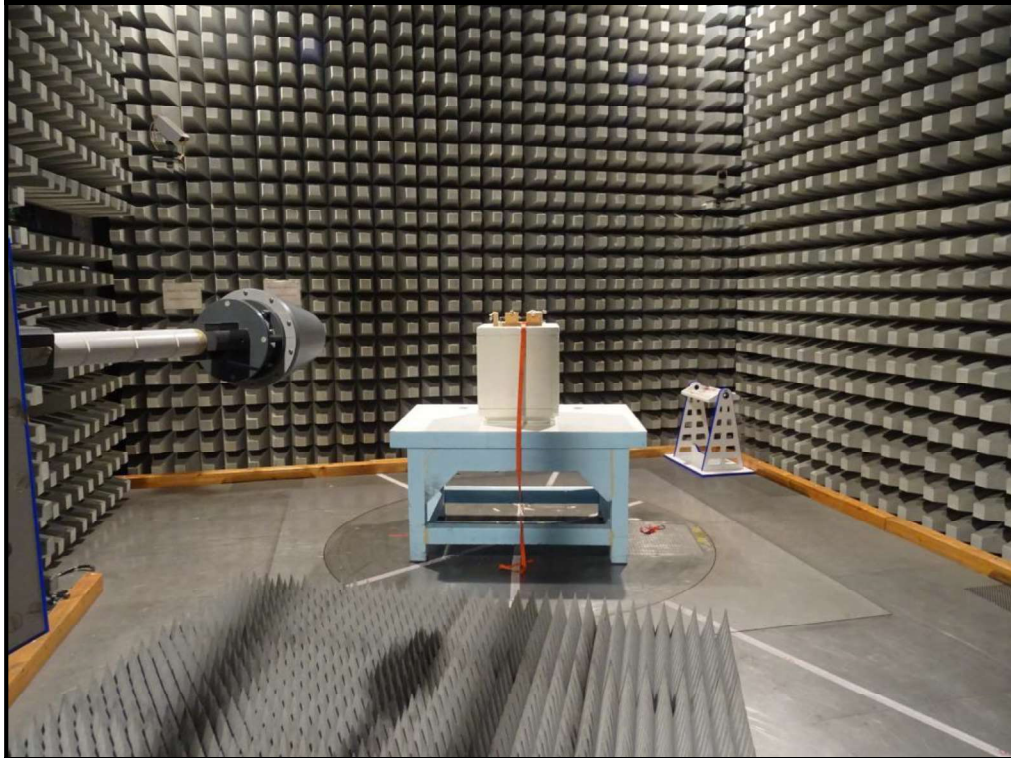


Photo 7: Terminated Ports 1+2+3+4 with 50 Ω

Transmitter Cabinet Radiated Emissions (continued)

1.4. Configuration 1: Cabinet Radiated Emissions: 18 GHz to 40 GHz @ 1 m



Photo 8: Terminated Ports 1+2+3+4 with 50 Ω

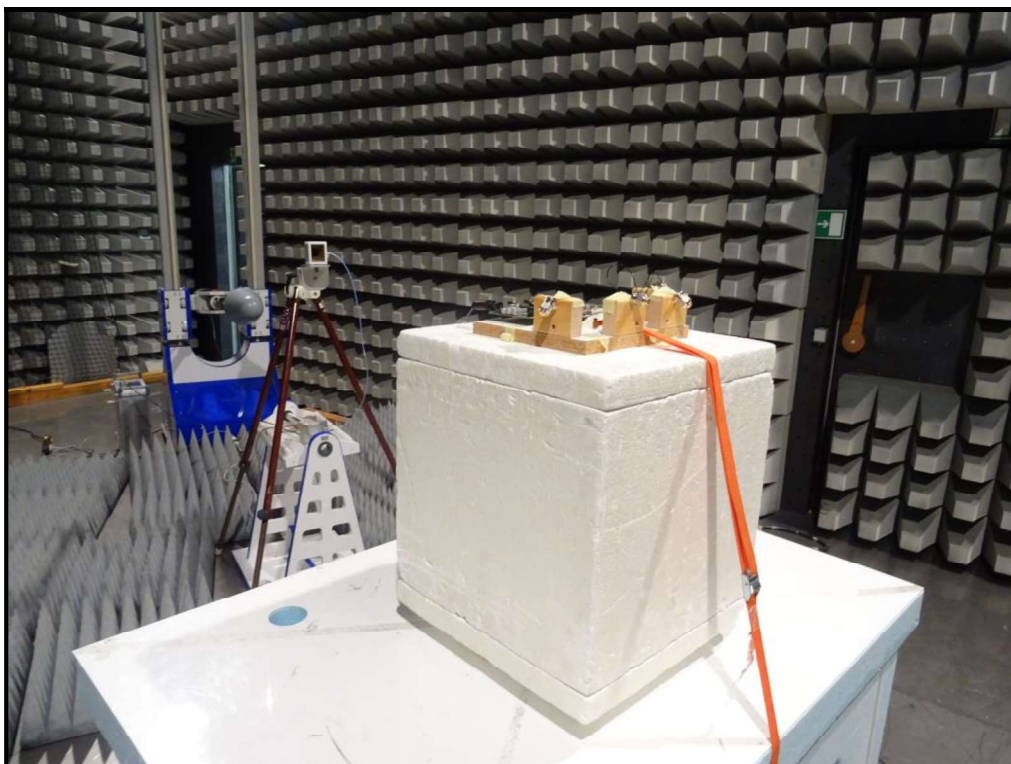


Photo 9: Terminated Ports 1+2+3+4 with 50 Ω

Transmitter Cabinet Radiated Emissions (continued)

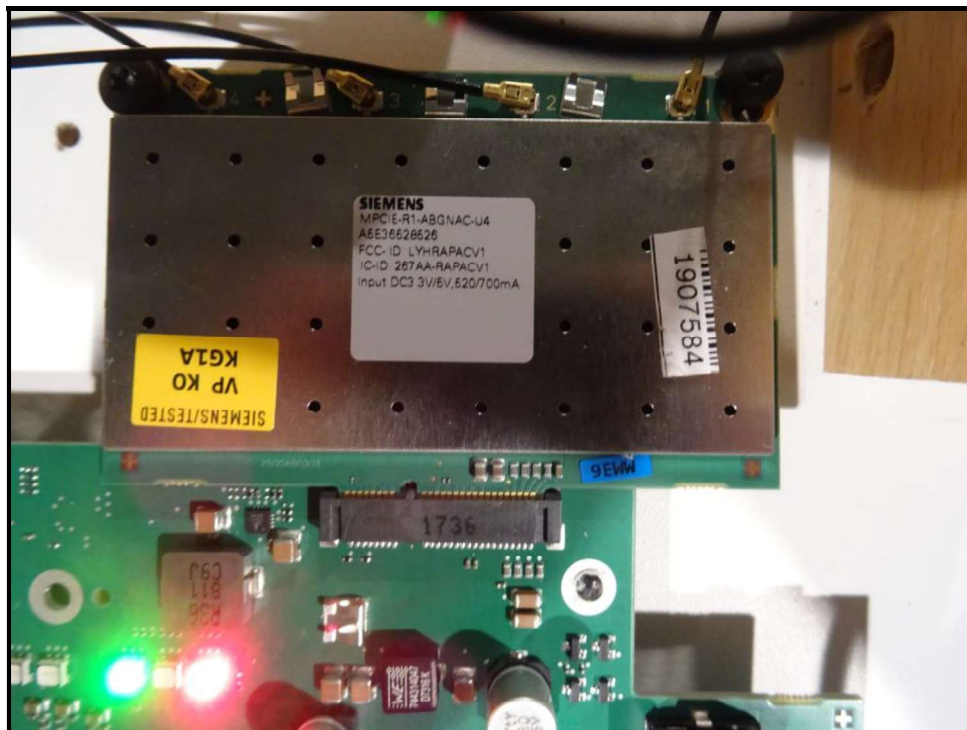


Photo 10: Terminated Ports 1+2+3+4 with 50 Ω - Radio Module Details

2. Transmitter Band Edge Radiated Emissions @ 3 m

2.1. Configuration 2: EUT with 8 dBi Antenna Group [Antenna Model: ANT795-6MN]

2.1.1. EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω) with 8 dBi Antenna Group

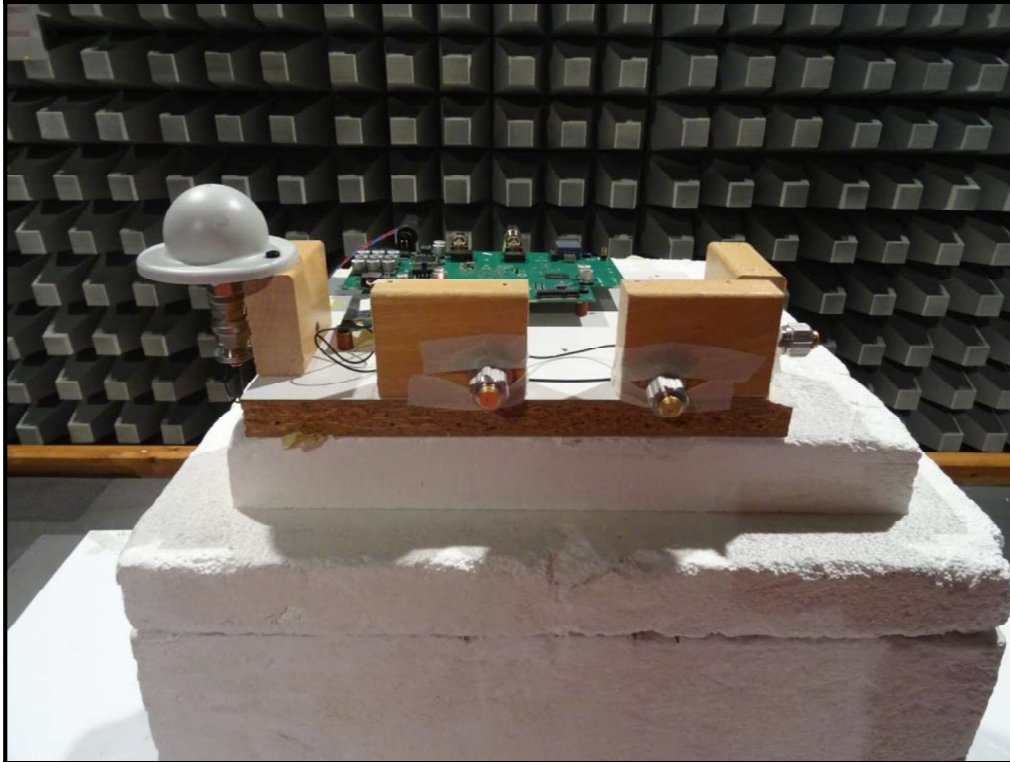


Photo 11:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

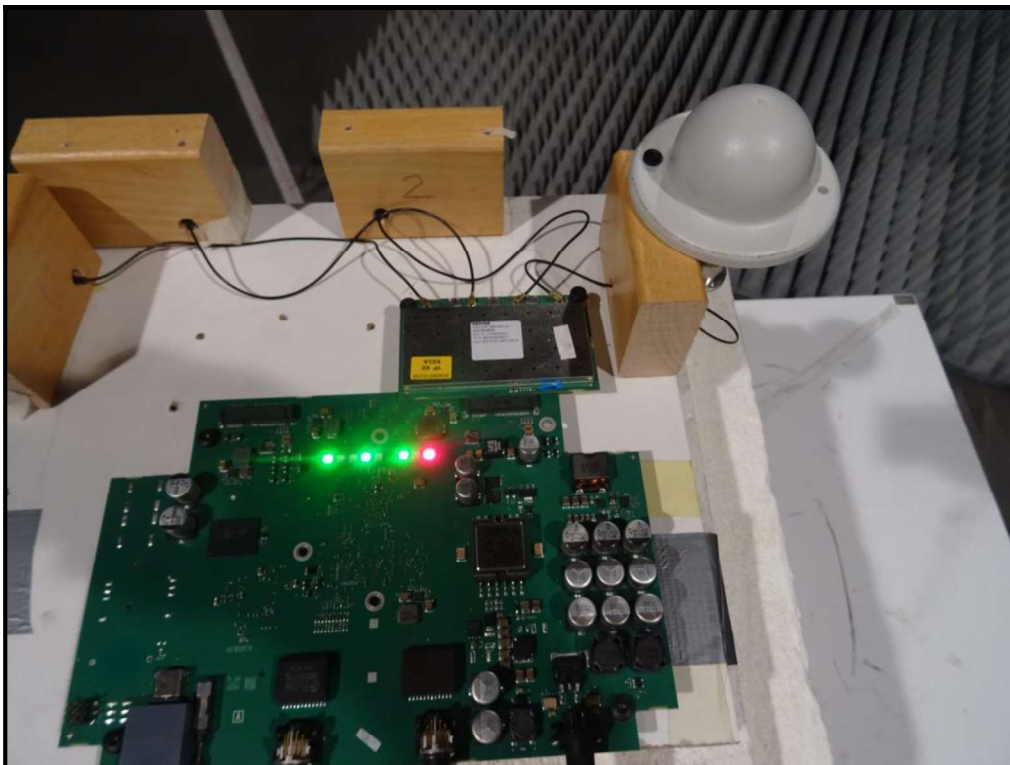


Photo 12:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)



Photo 13:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

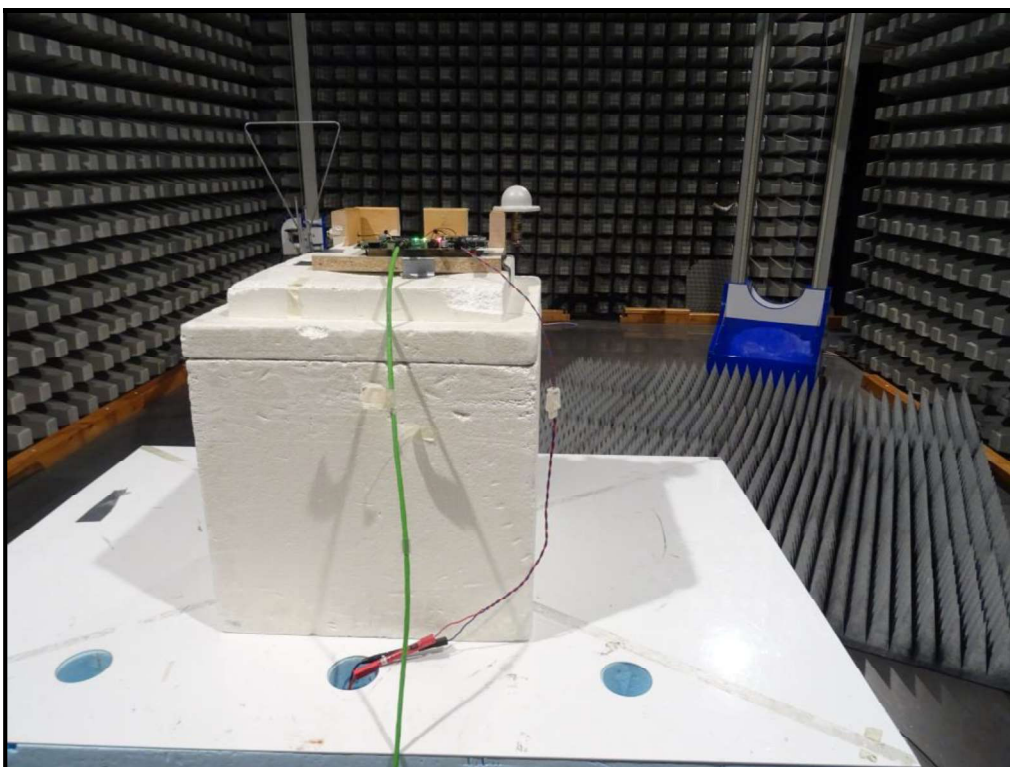


Photo 14:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

2.1.2. EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω) with 8 dBi Antenna Group

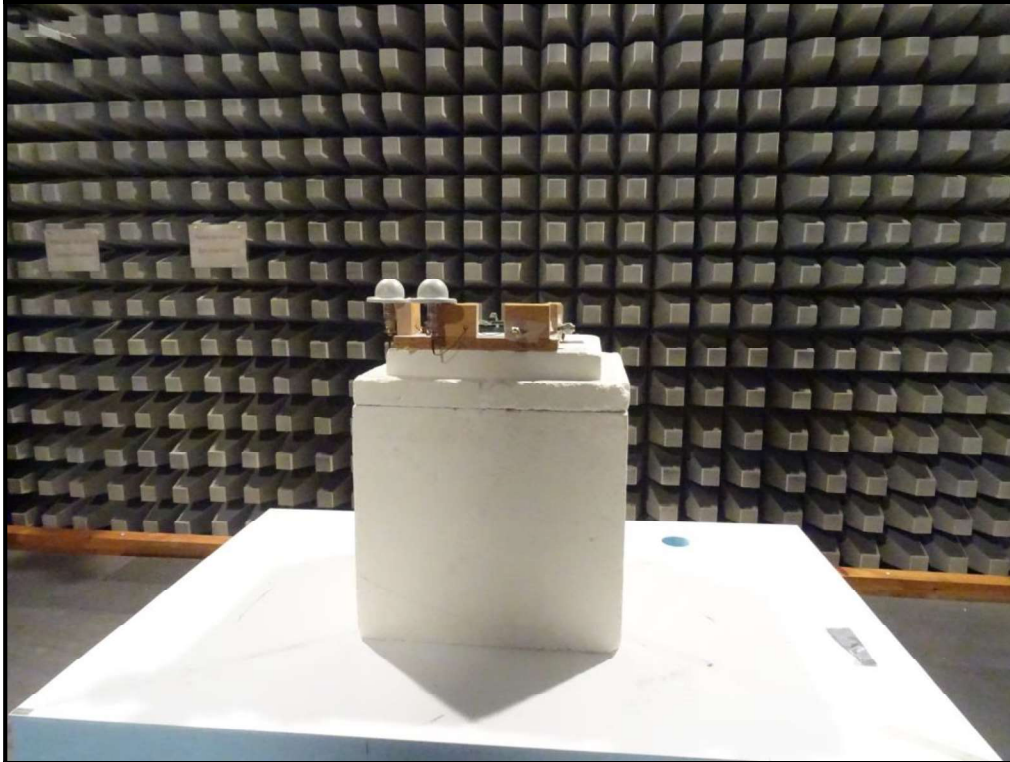


Photo 15:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

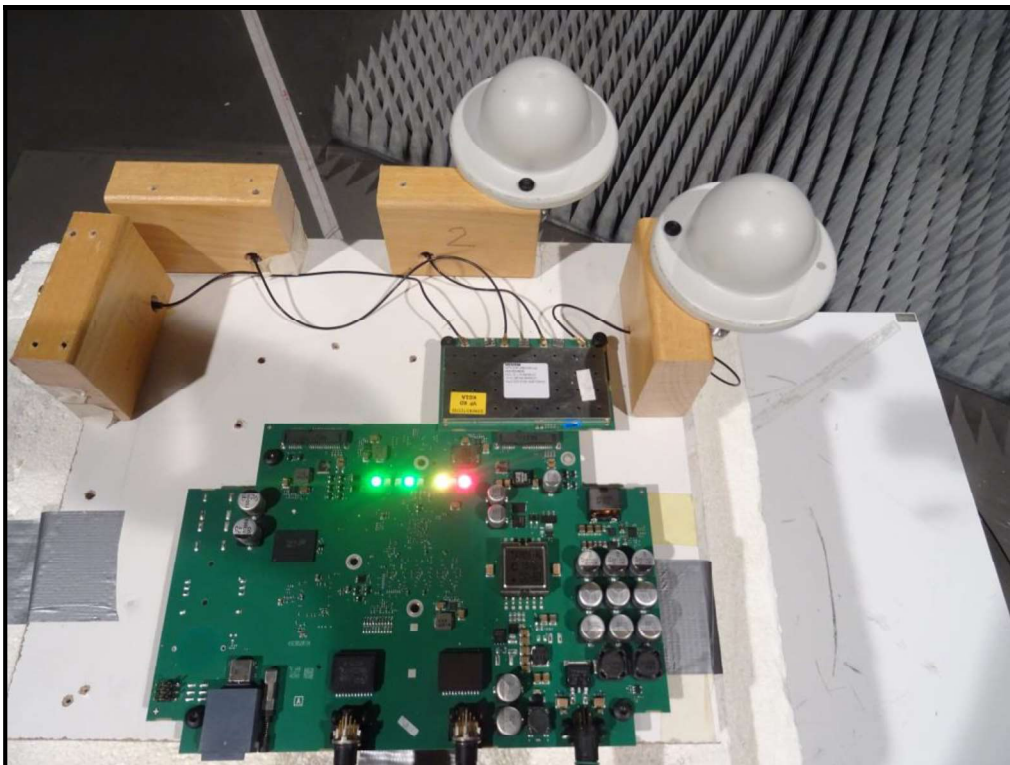


Photo 16:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

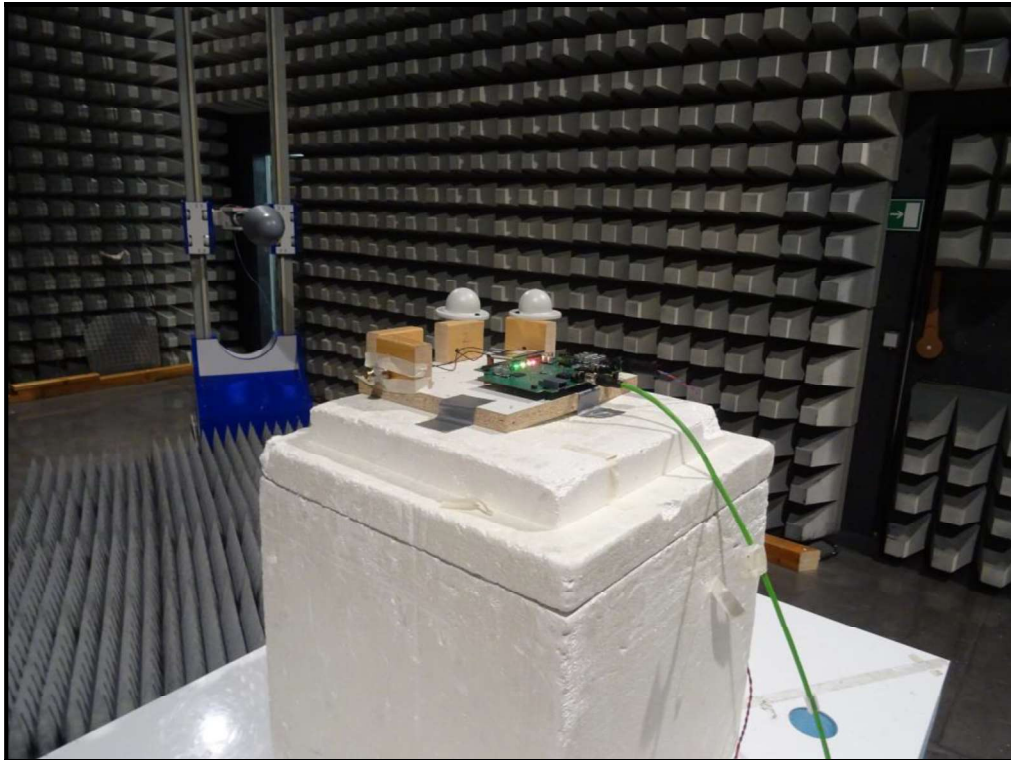


Photo 17:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

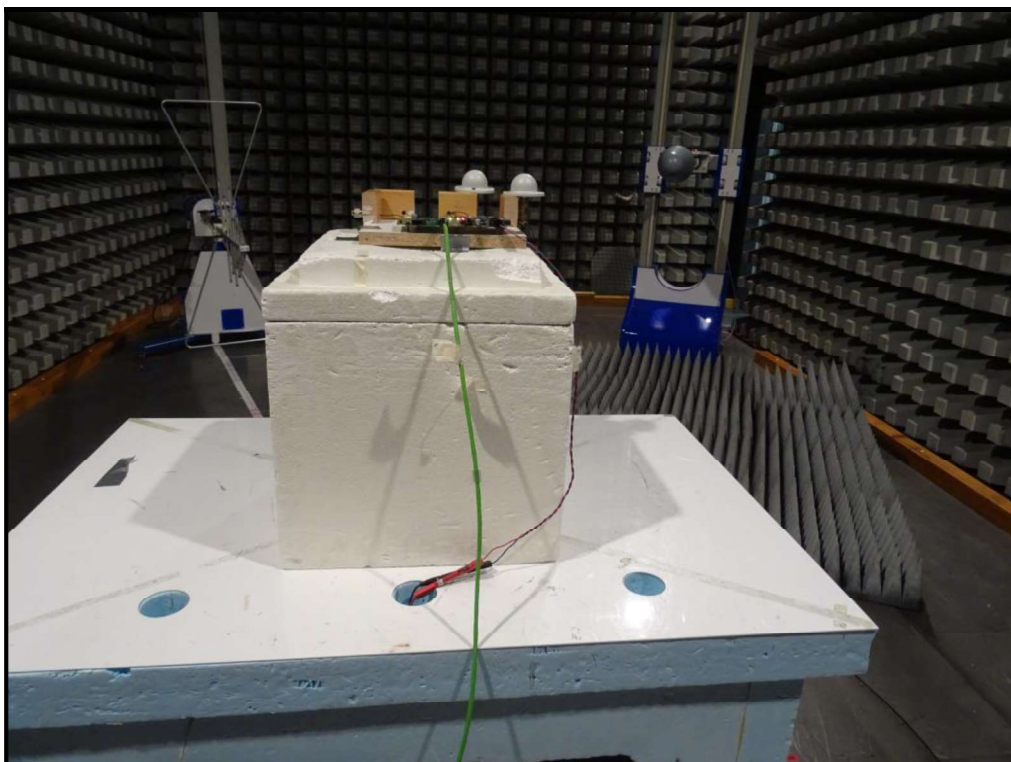


Photo 18:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

2.1.3. EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50 Ω) with 8 dBi Antenna Group

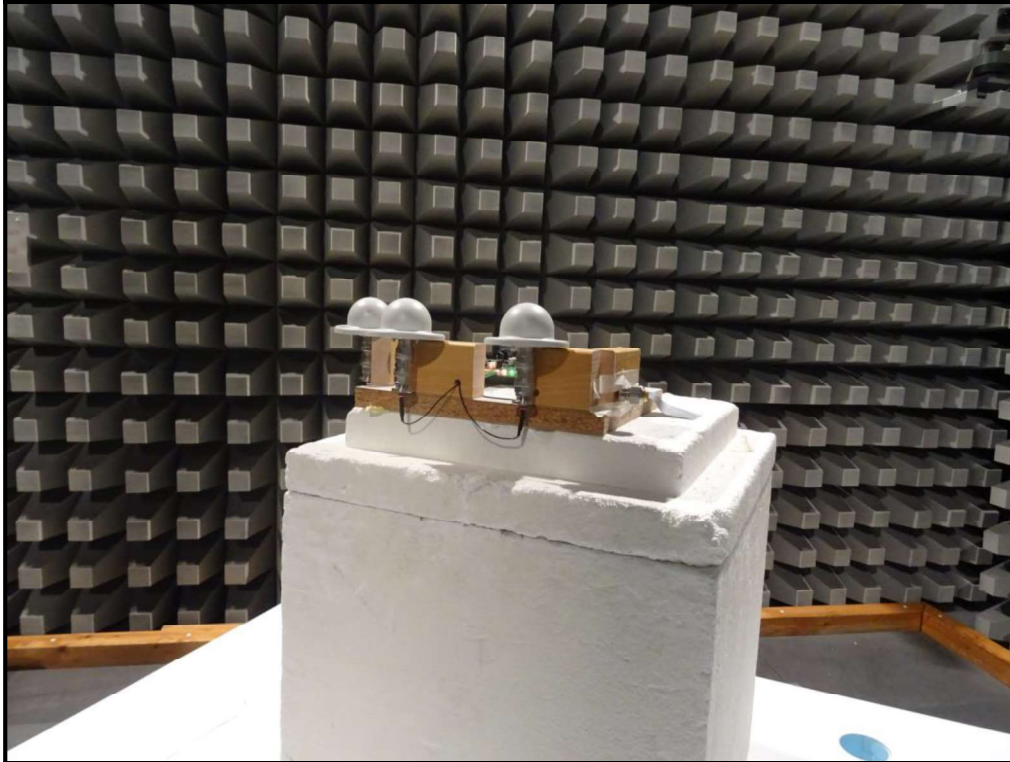


Photo 19:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50 Ω)

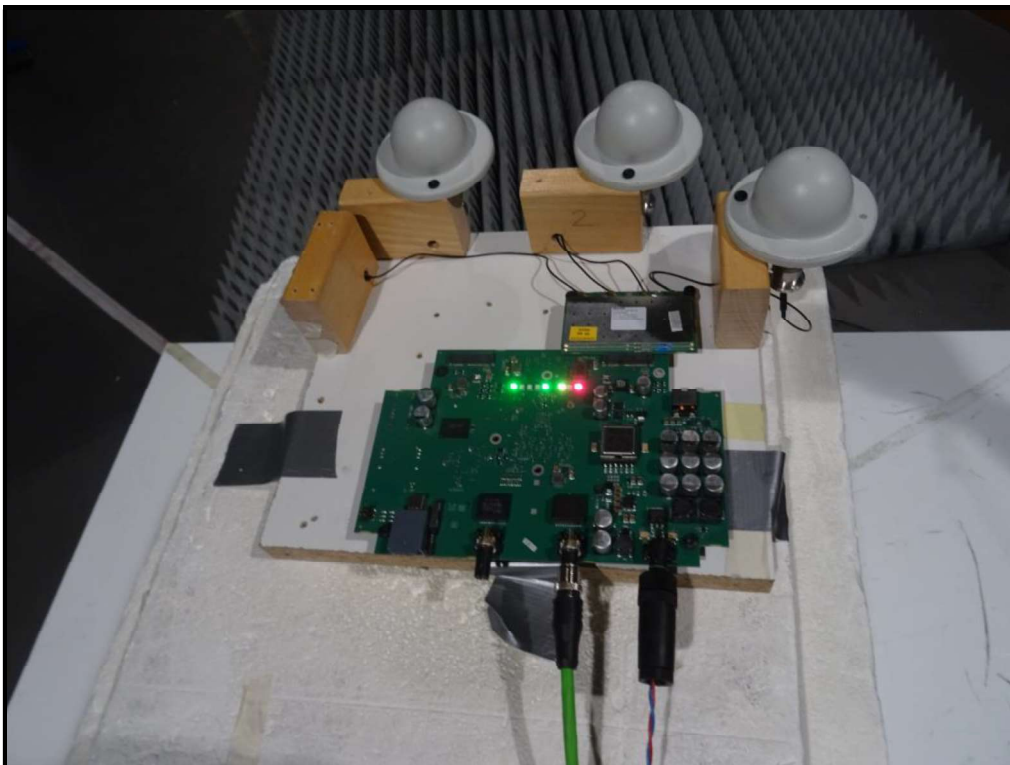


Photo 20:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

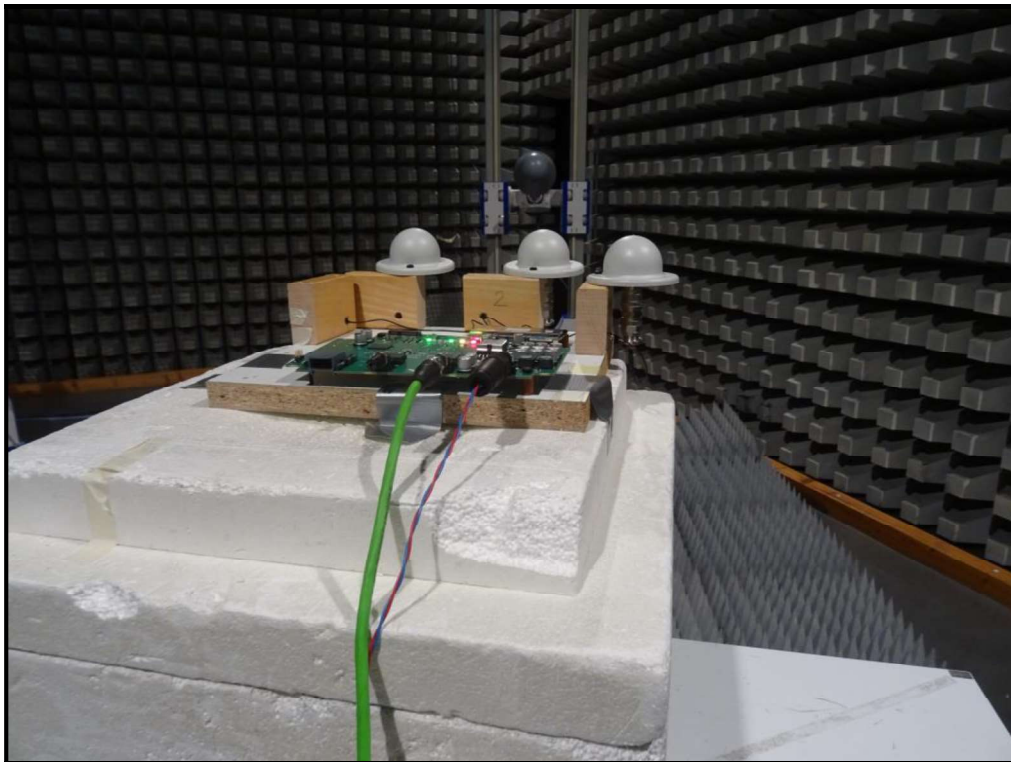


Photo 21:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50 Ω)

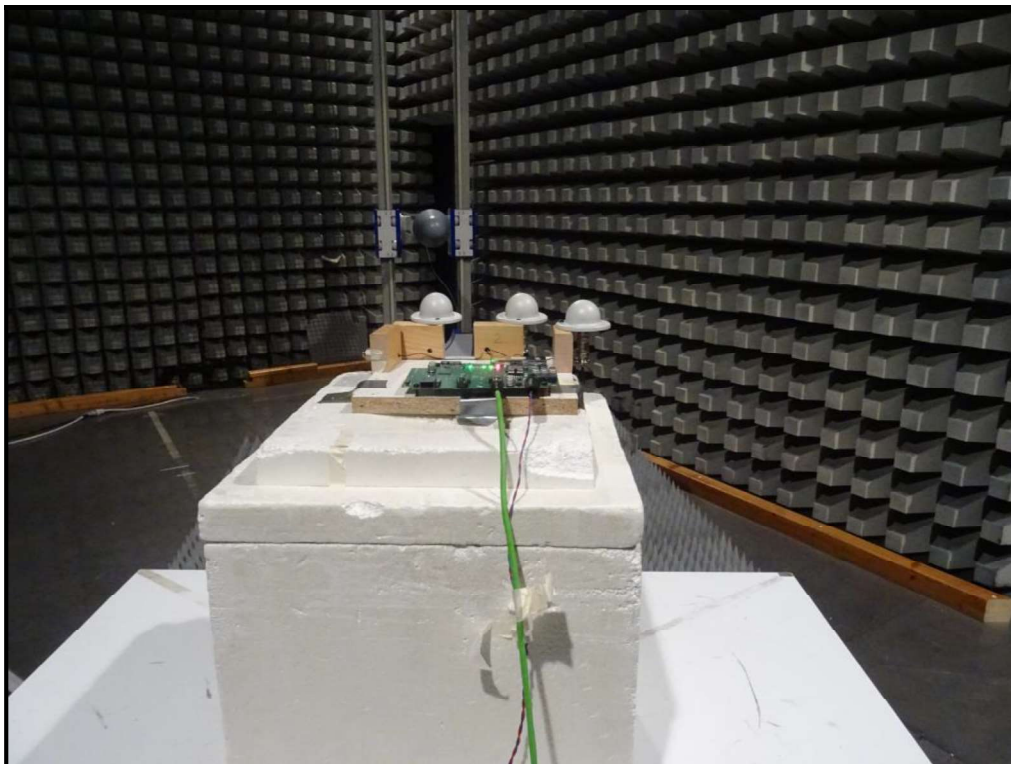


Photo 22:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

2.1.4. EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50 Ω) with 8 dBi Antenna Group

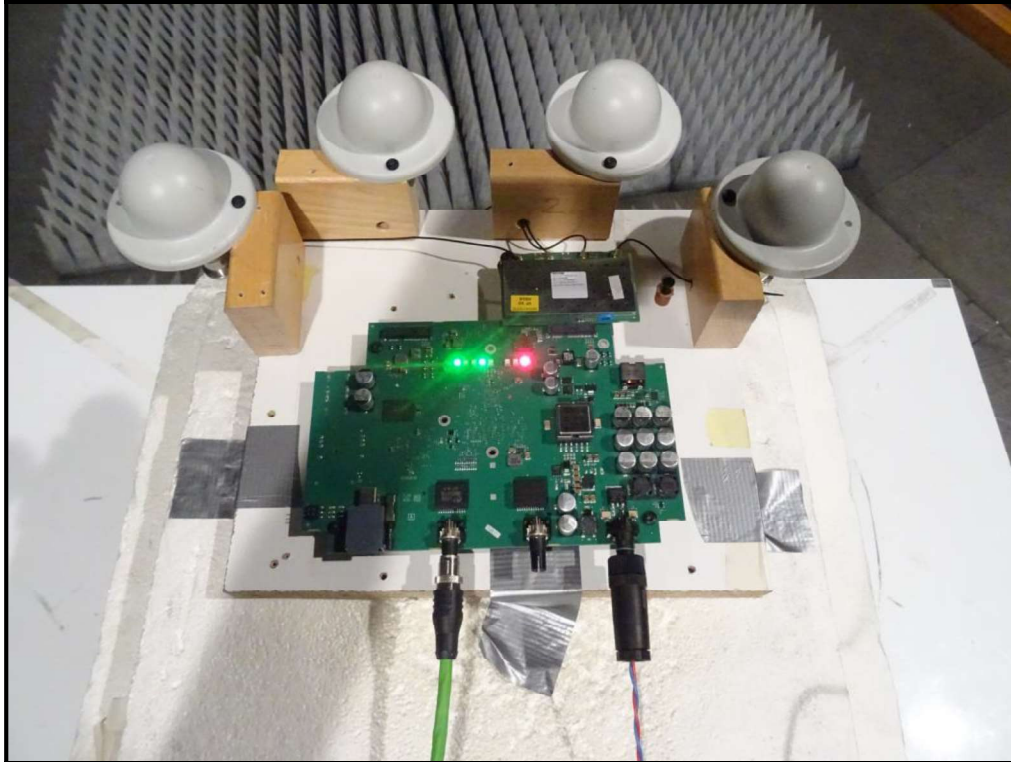


Photo 23:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50 Ω)

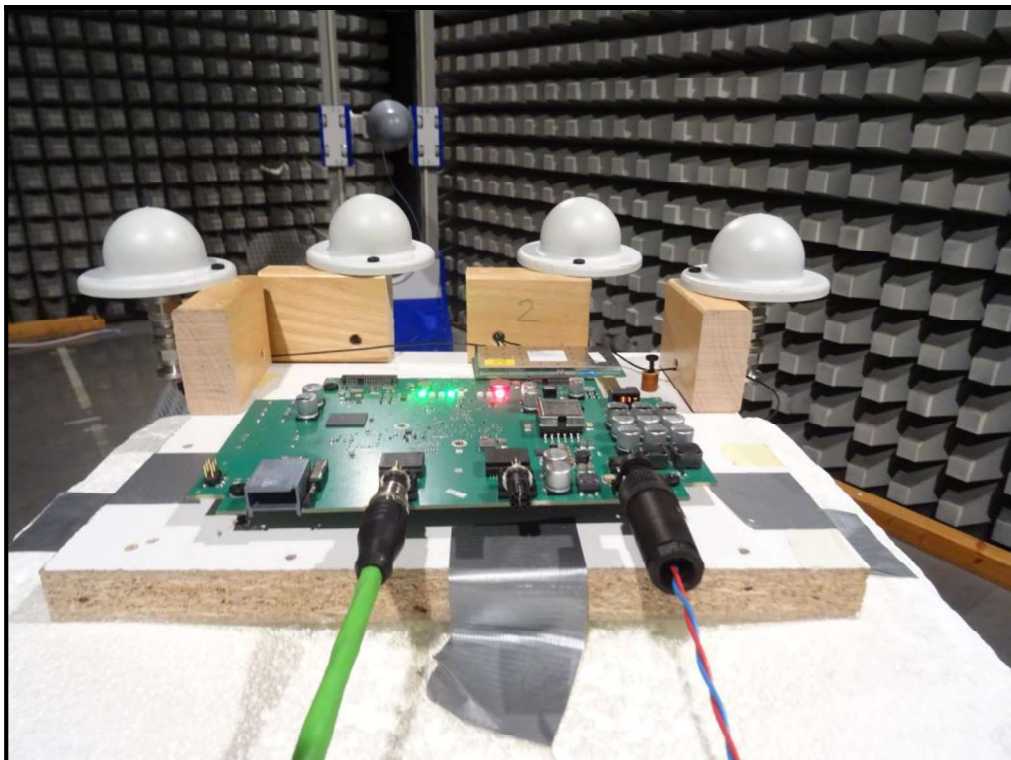


Photo 24:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

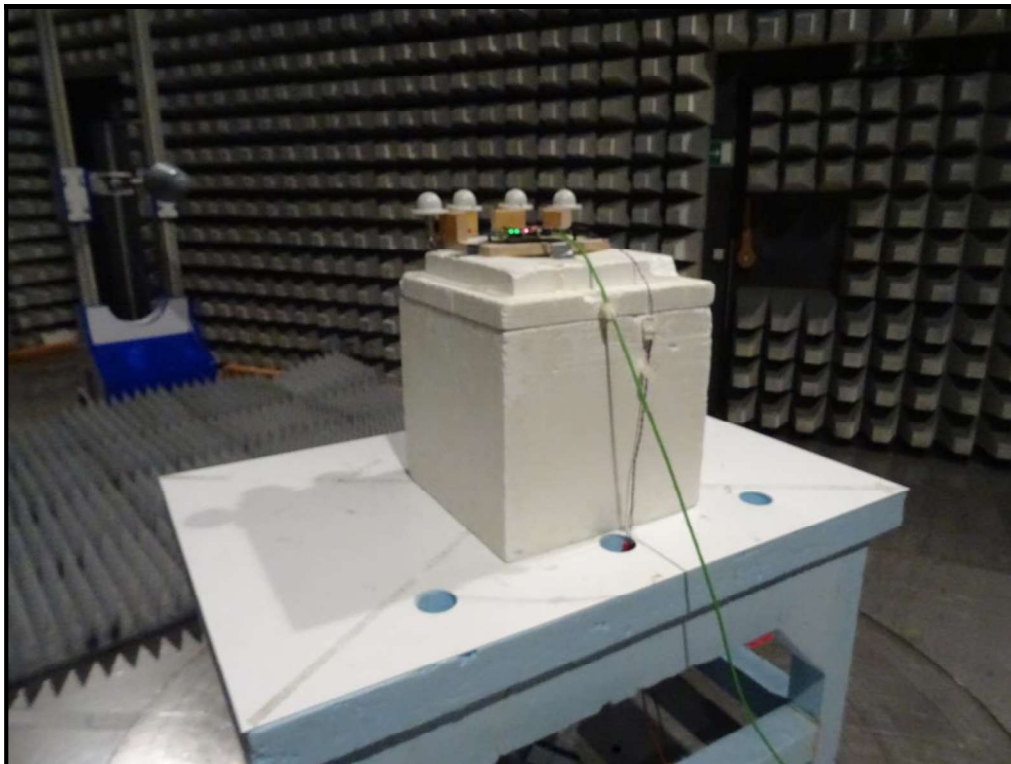


Photo 25:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50 Ω)

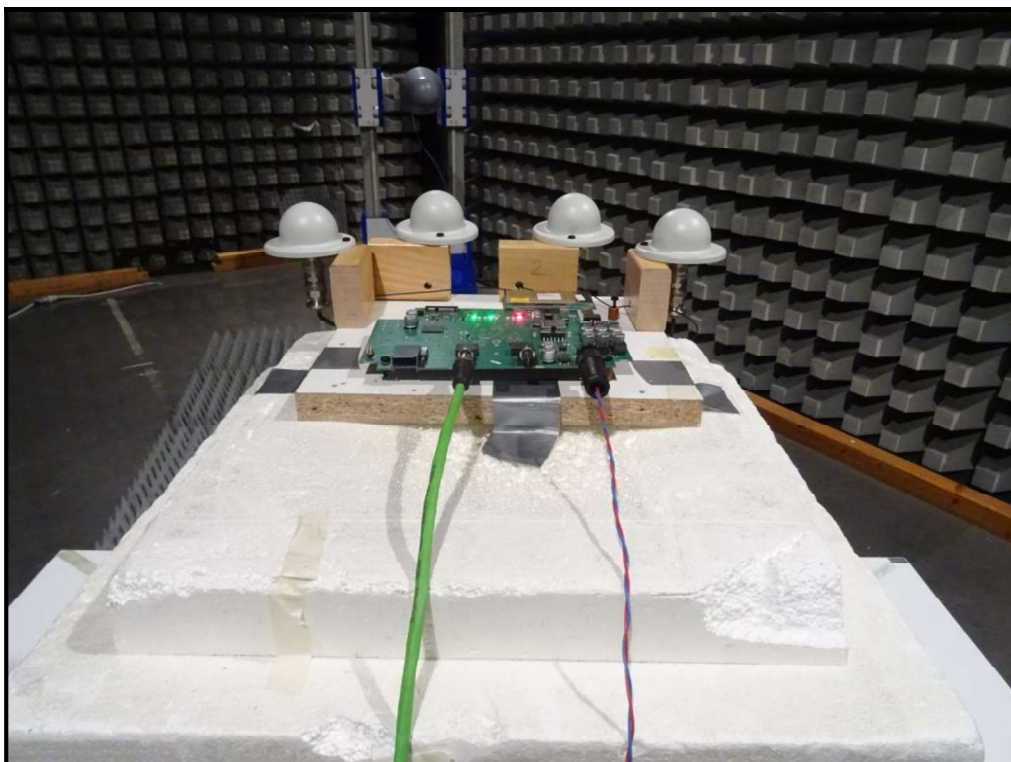


Photo 26:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

2.2. Configuration 3: EUT with 9 dBi Antenna Group [Antenna Model: ANT795-6DC]

2.2.1. EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω) with 9 dBi Antenna Group

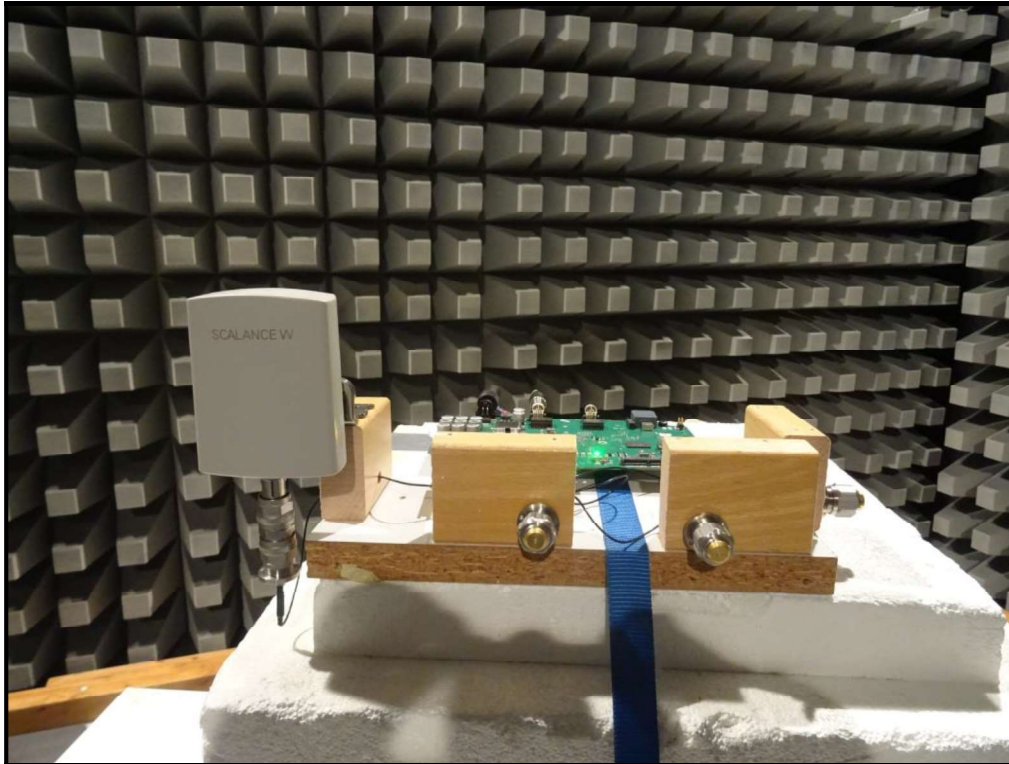


Photo 27:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

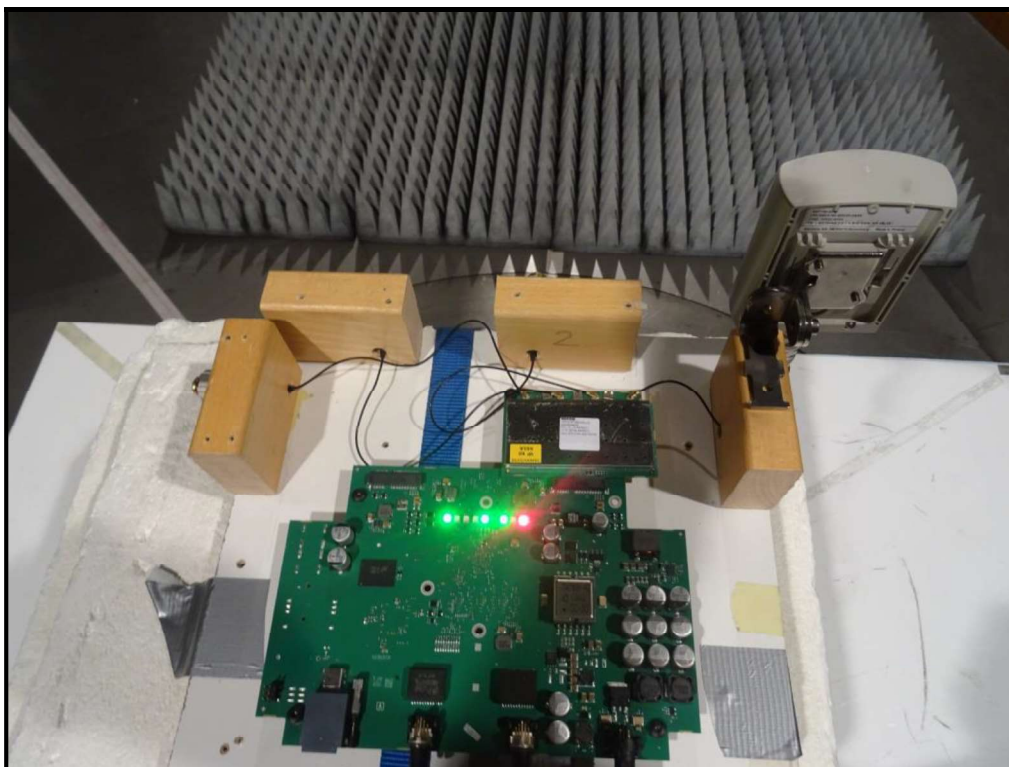


Photo 28:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

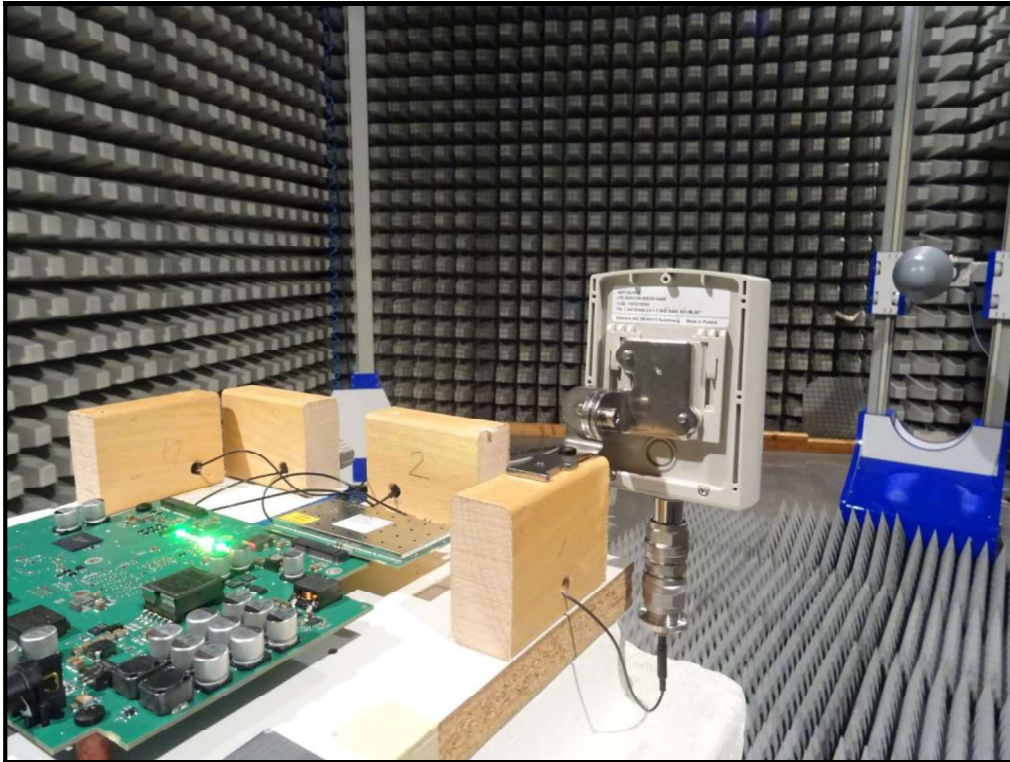


Photo 29:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

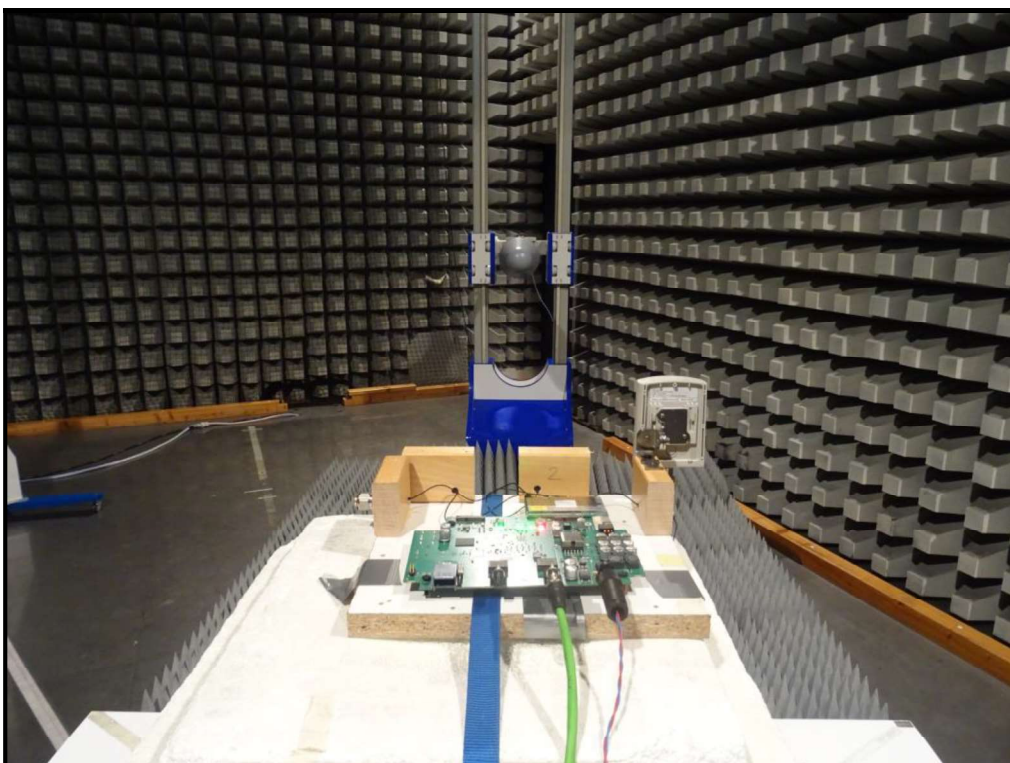


Photo 30:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

2.2.2. EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω) with 9 dBi Antenna Group

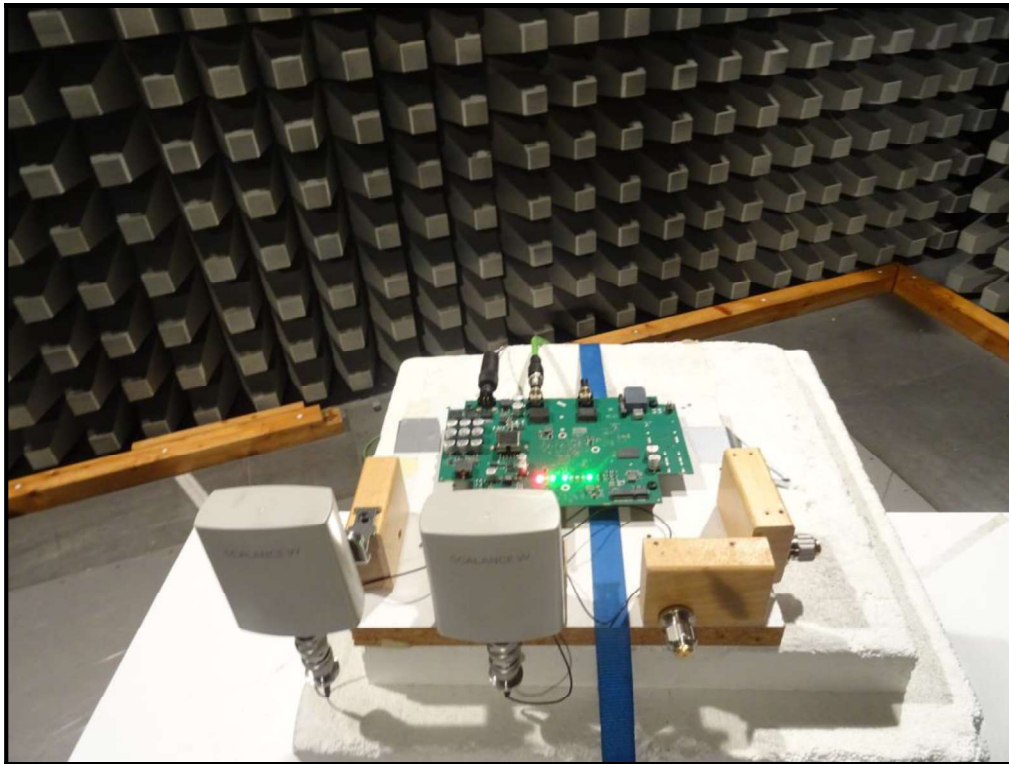


Photo 31:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

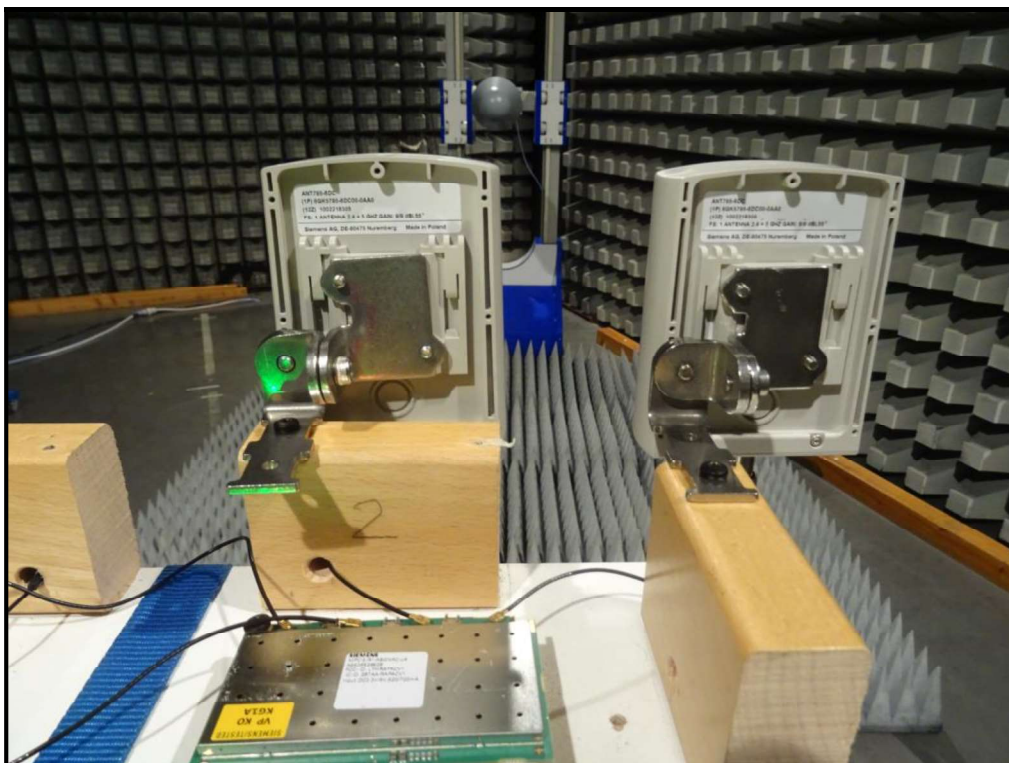


Photo 32:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

Transmitter Band Edge Radiated Emissions (continued)

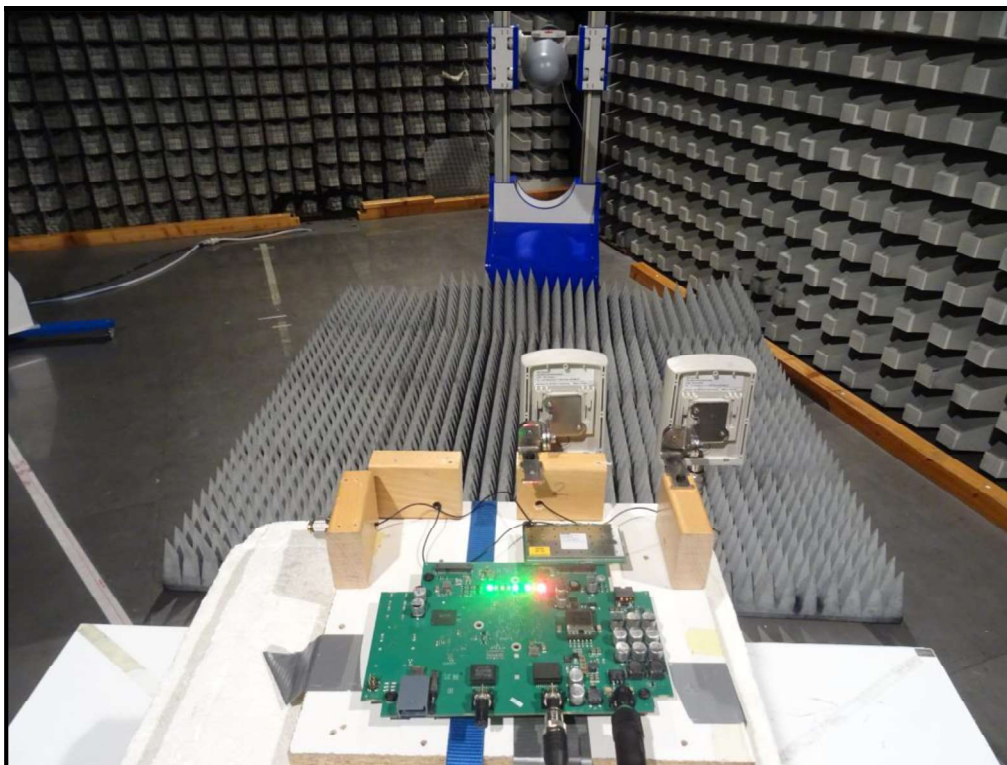


Photo 33:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)

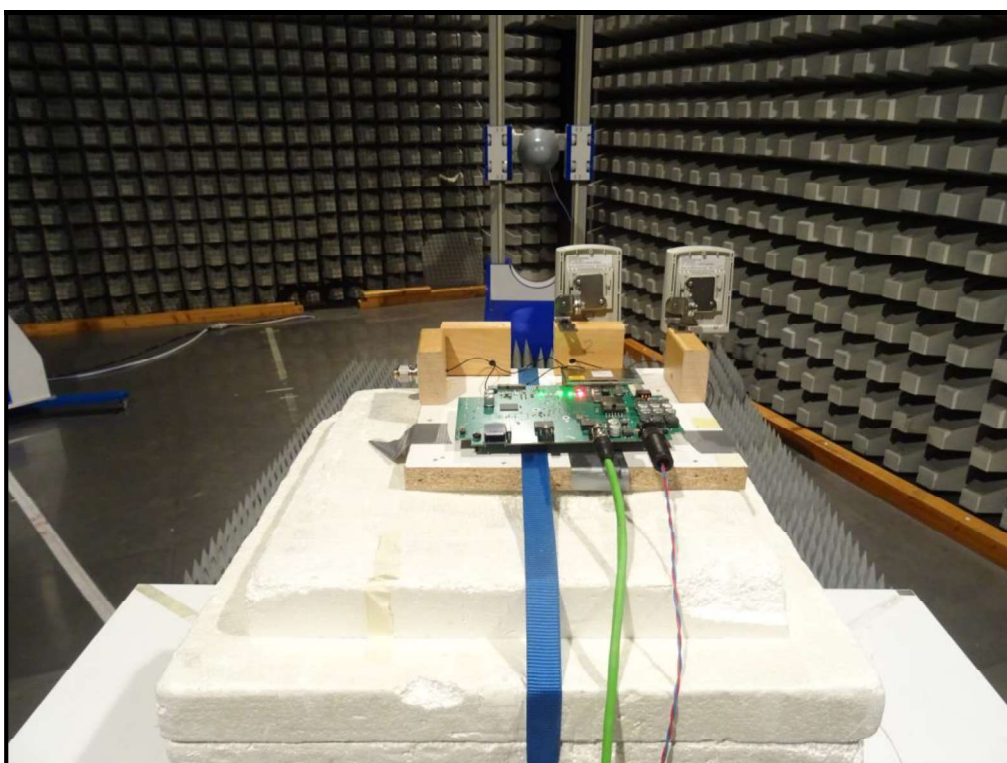


Photo 34:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50 Ω)