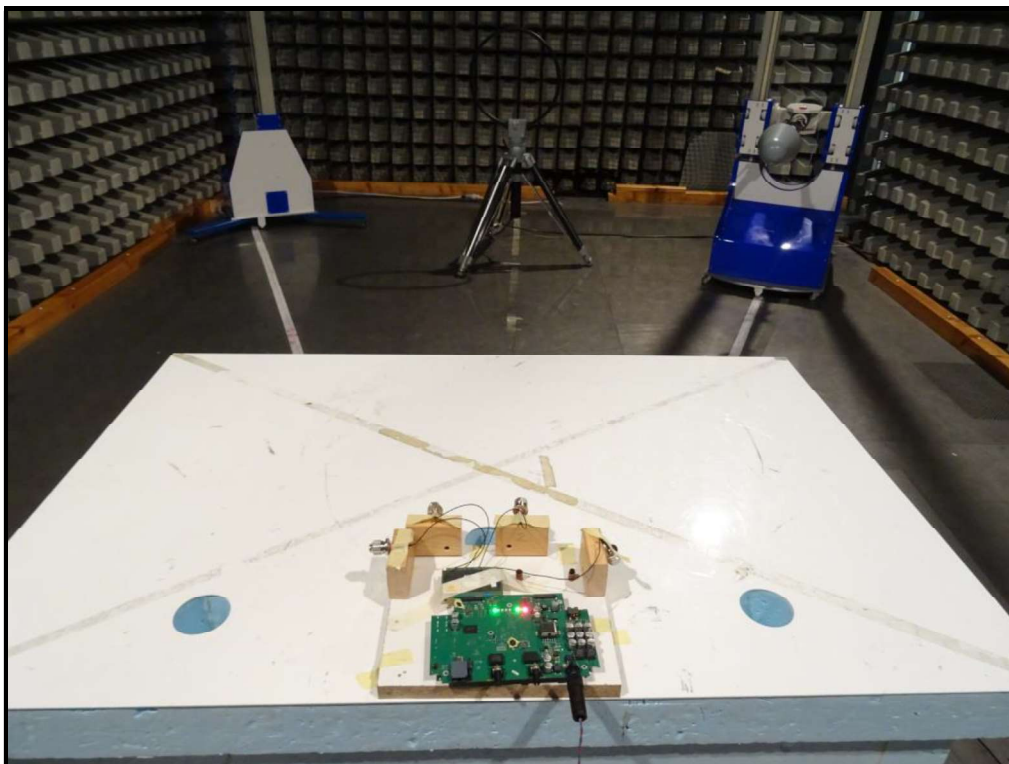


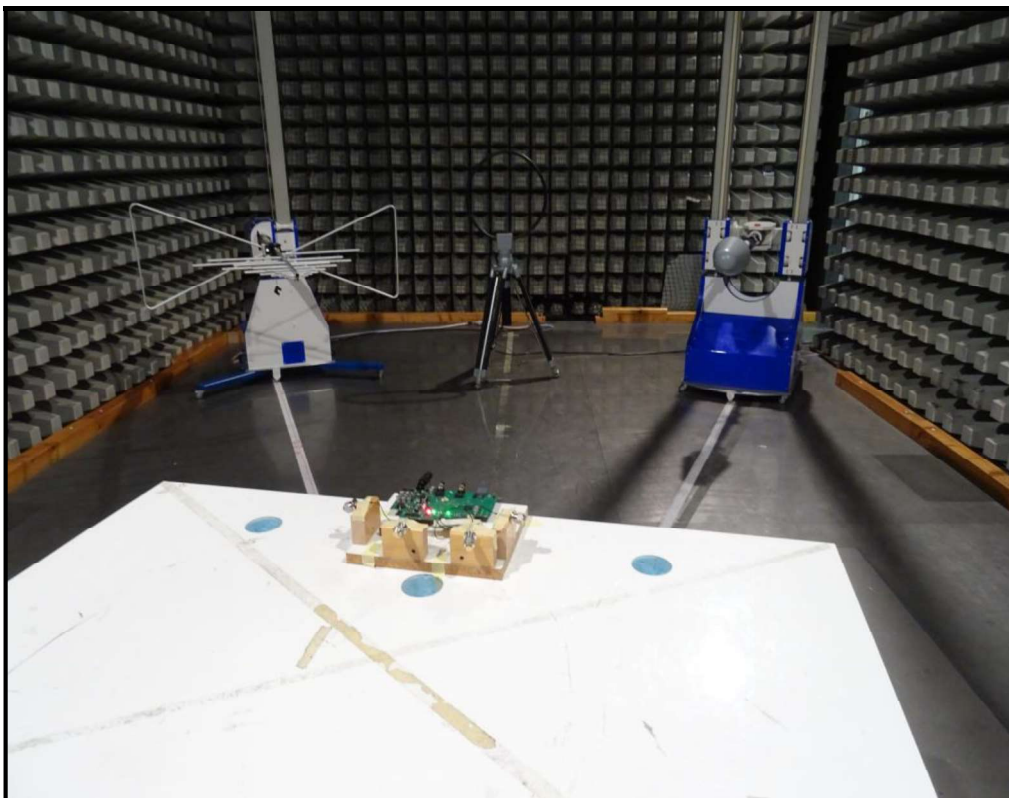
**Test Setup Photographs for Radio Moduel MPCIE-R1-ABGNAC-U4**

**1. Transmitter Cabinet Radiated Emissions**

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



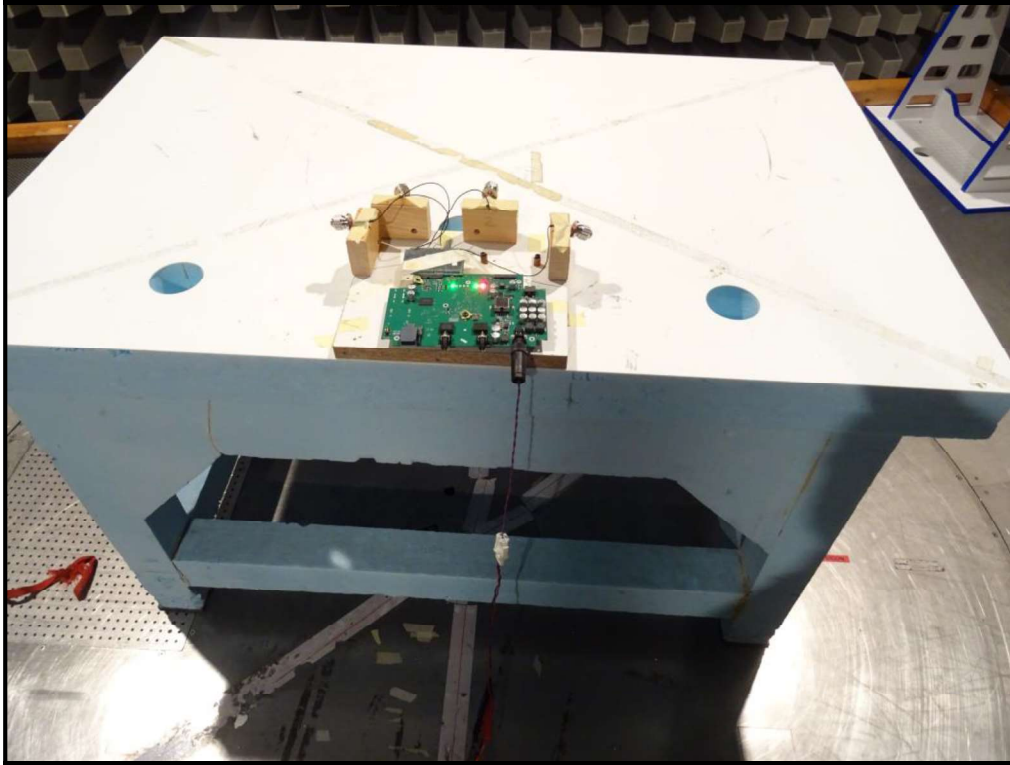
**Photo 1: Terminated Ports 1+2+3+4 with 50  $\Omega$**



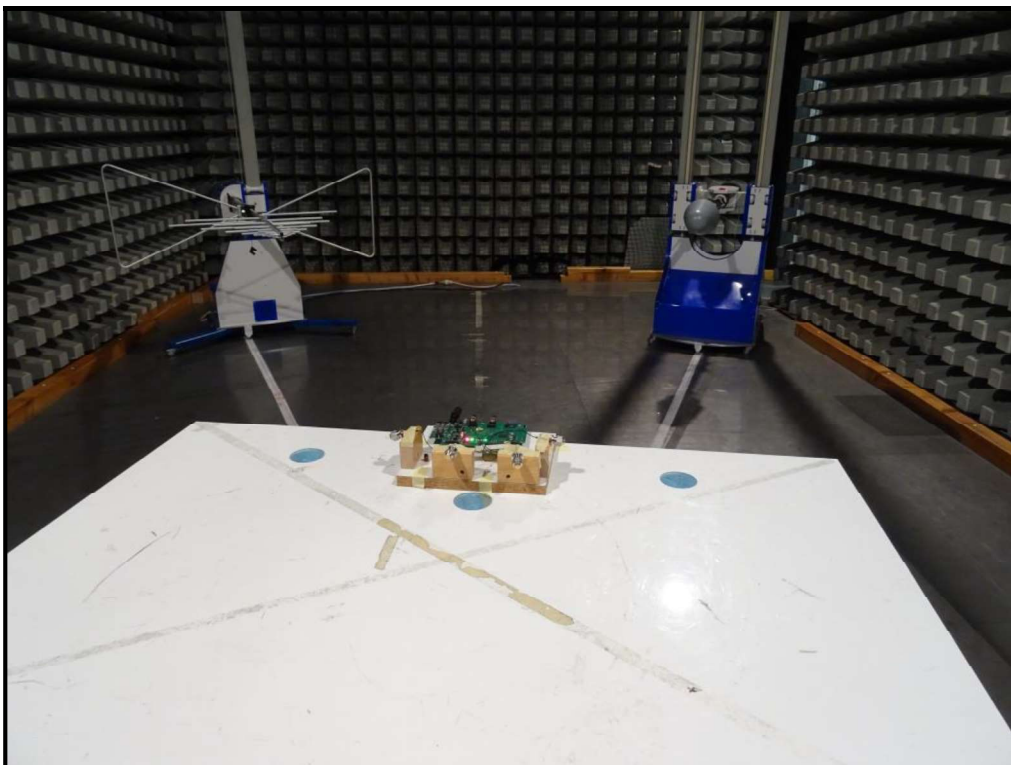
**Photo 2: Terminated Ports 1+2+3+4 with 50  $\Omega$**

**Transmitter Cabinet Radiated Emissions (continued)**

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



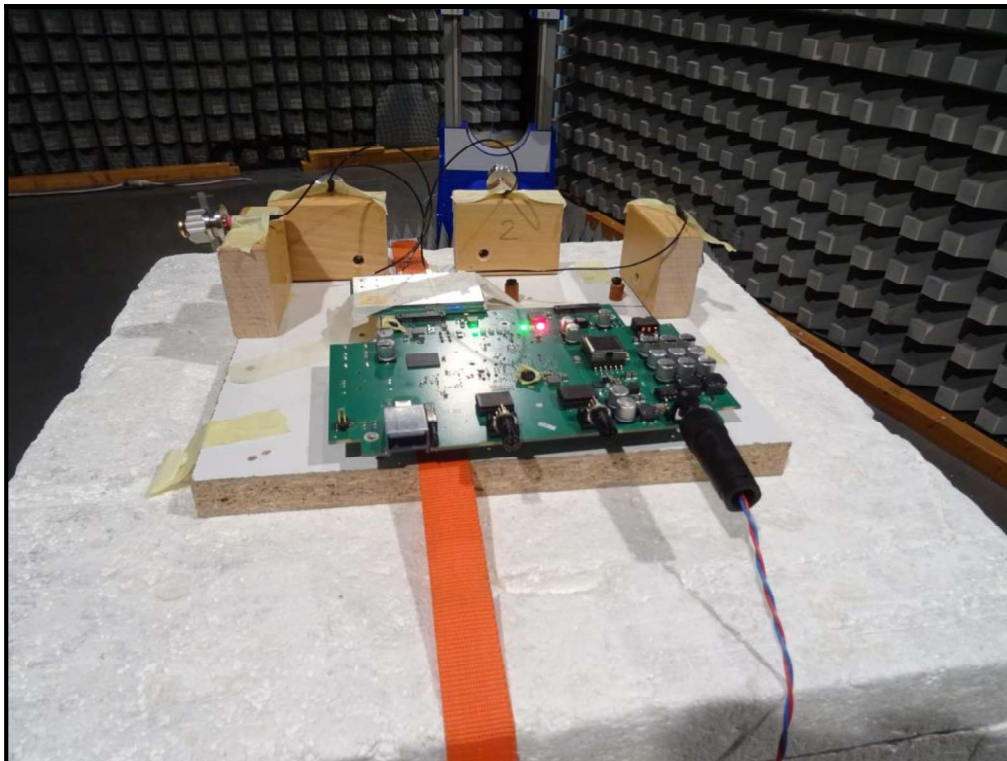
**Photo 3: Terminated Ports 1+2+3+4 with 50  $\Omega$**



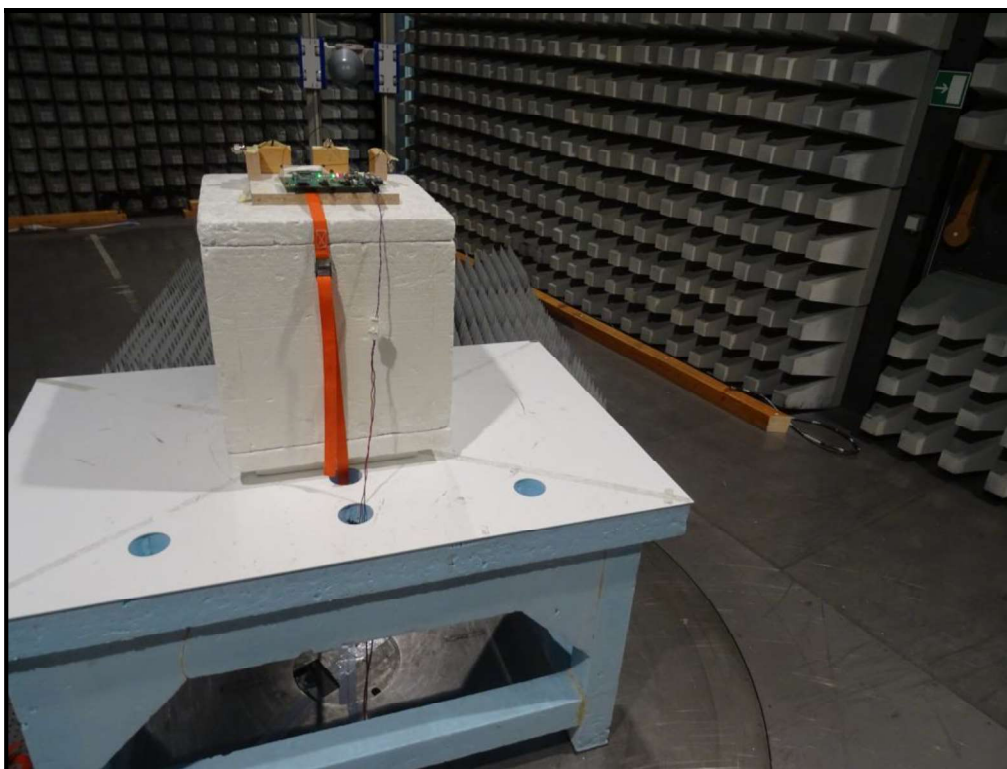
**Photo 4: Terminated Ports 1+2+3+4 with 50  $\Omega$**

**Transmitter Cabinet Radiated Emissions (continued)**

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

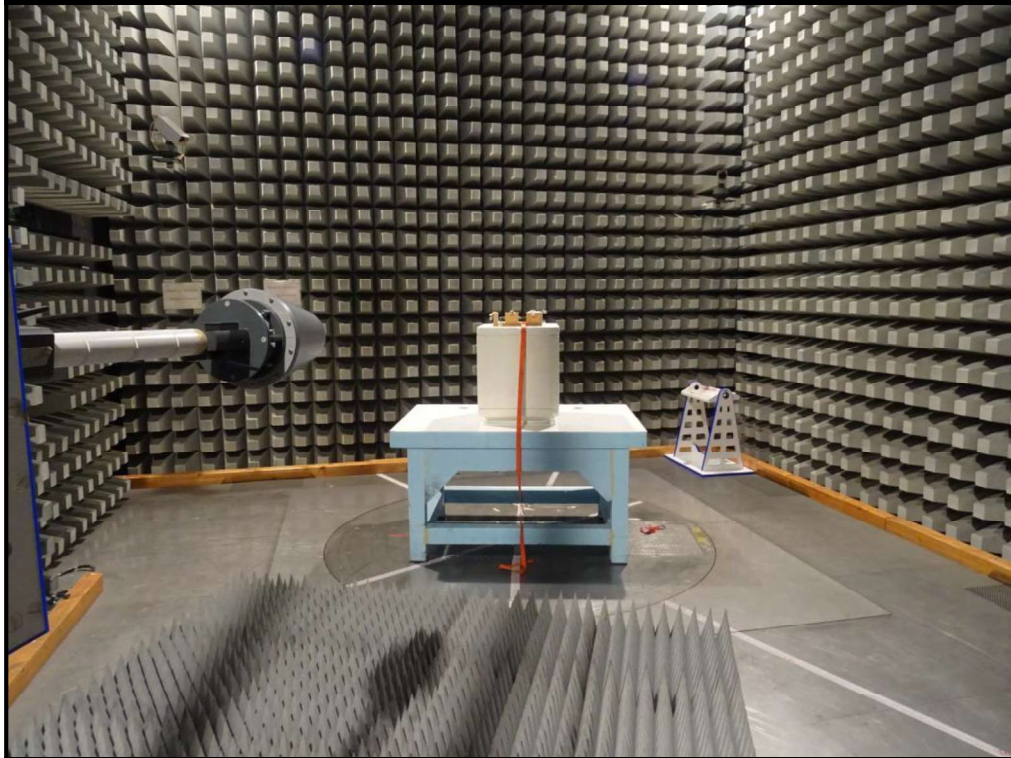


**Photo 5: Terminated Ports 1+2+3+4 with 50  $\Omega$**



**Photo 6: Terminated Ports 1+2+3+4 with 50  $\Omega$**

**Transmitter Cabinet Radiated Emissions (continued)**



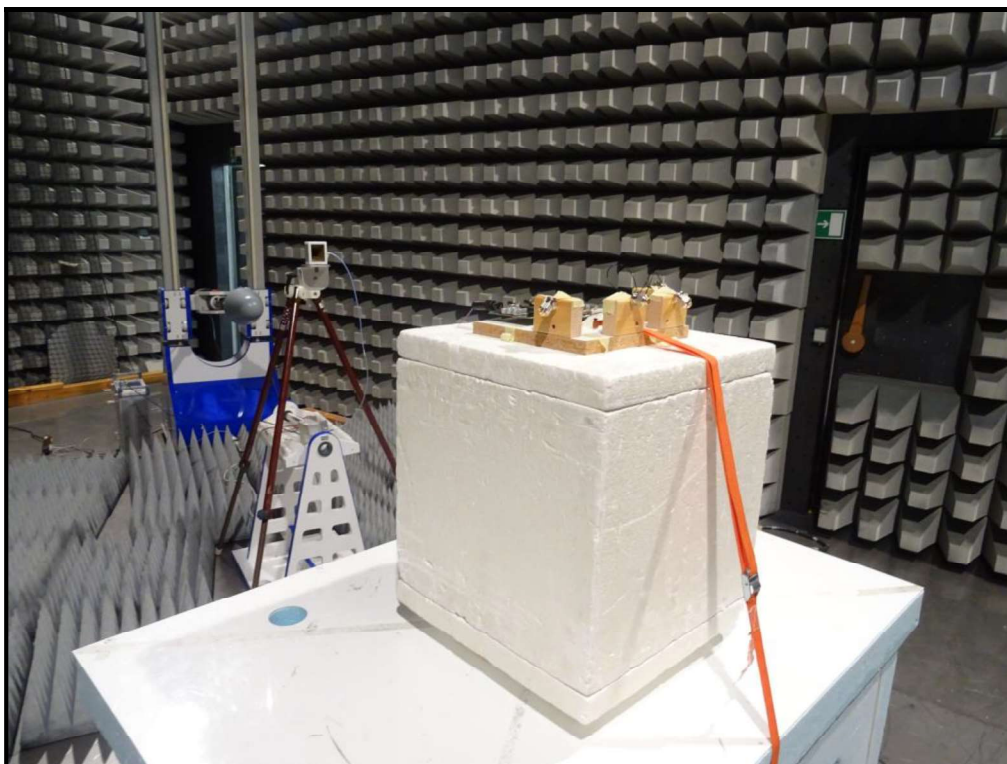
**Photo 7: Terminated Ports 1+2+3+4 with 50  $\Omega$**

**Transmitter Cabinet Radiated Emissions (continued)**

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

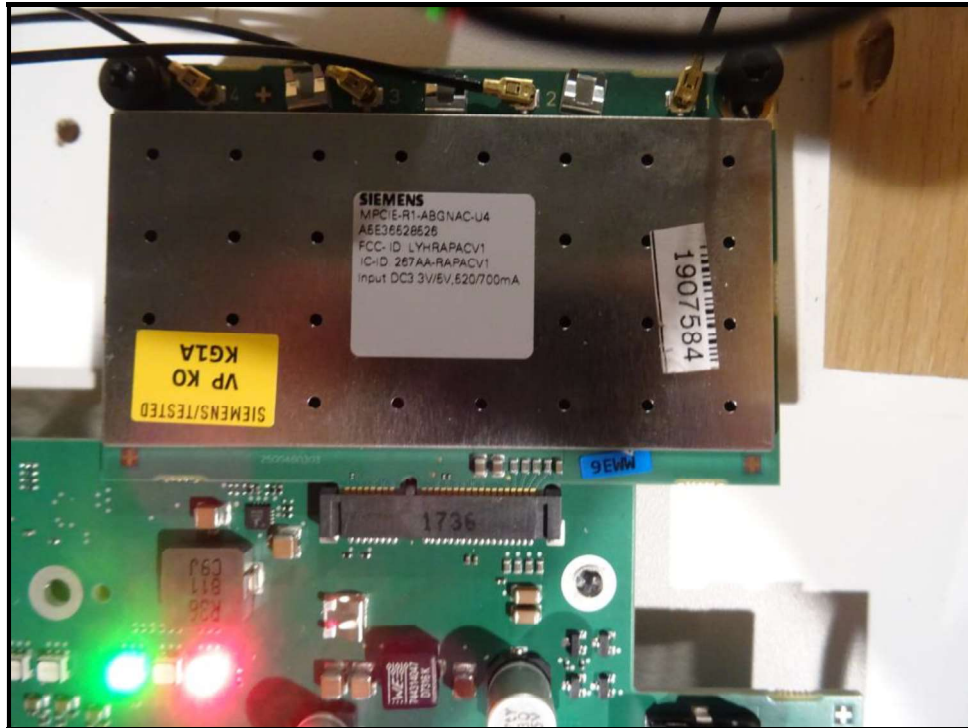


**Photo 8: Terminated Ports 1+2+3+4 with 50  $\Omega$**



**Photo 9: Terminated Ports 1+2+3+4 with 50  $\Omega$**

**Transmitter Cabinet Radiated Emissions (continued)**



**Photo 10: Terminated Ports 1+2+3+4 with 50  $\Omega$ - 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 $\Omega$ ) with 8 dBi Antenna Group

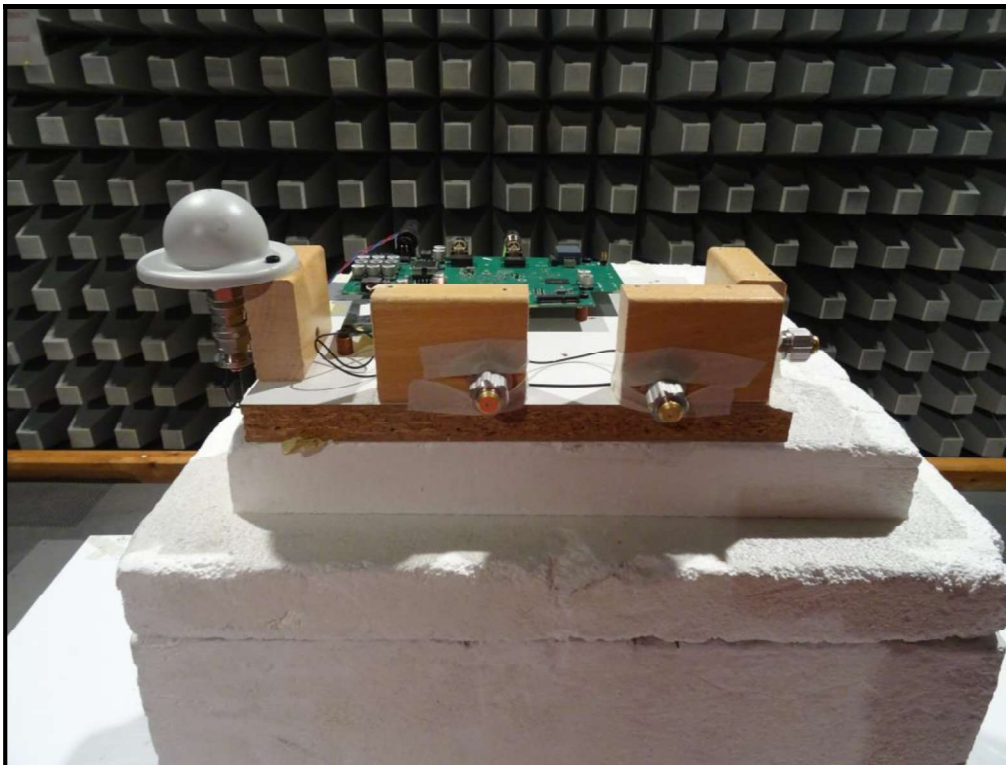


Photo 11:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )

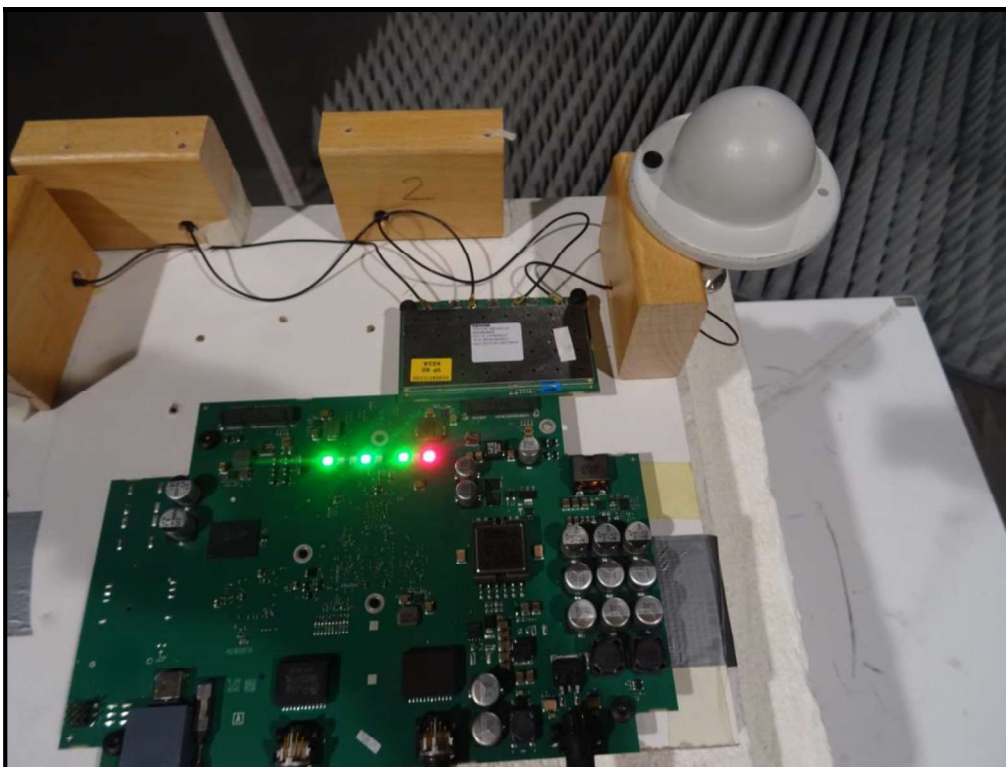
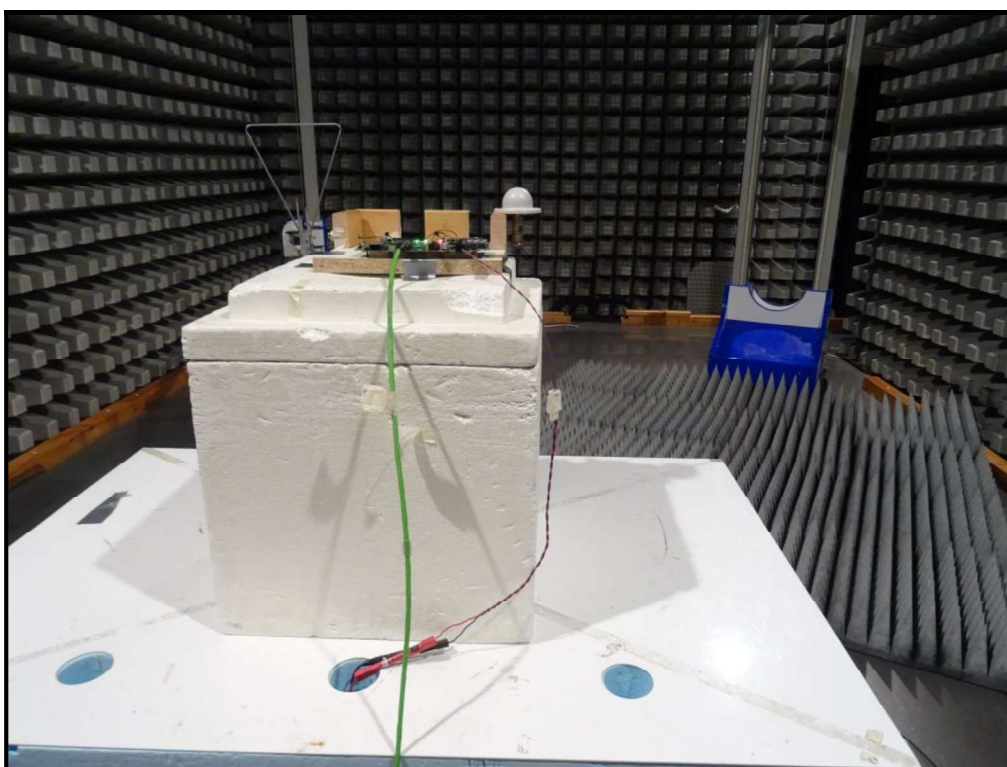


Photo 12:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 13:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**



**Photo 14:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**



### Transmitter Band Edge Radiated Emissions (continued)

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

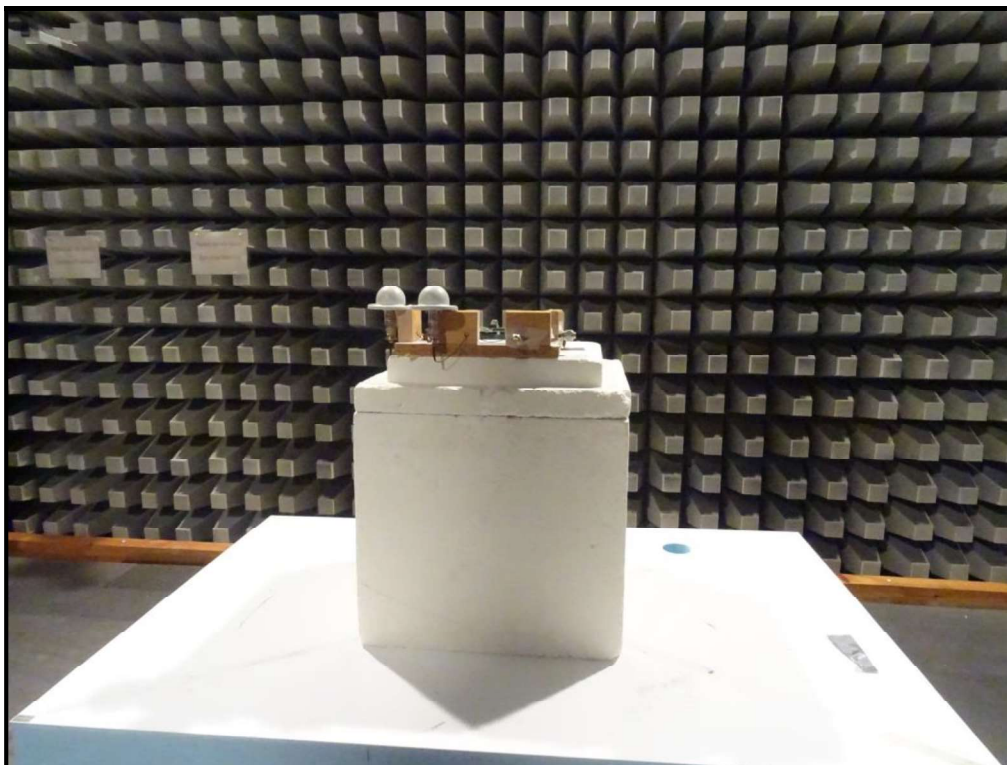


Photo 15:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )

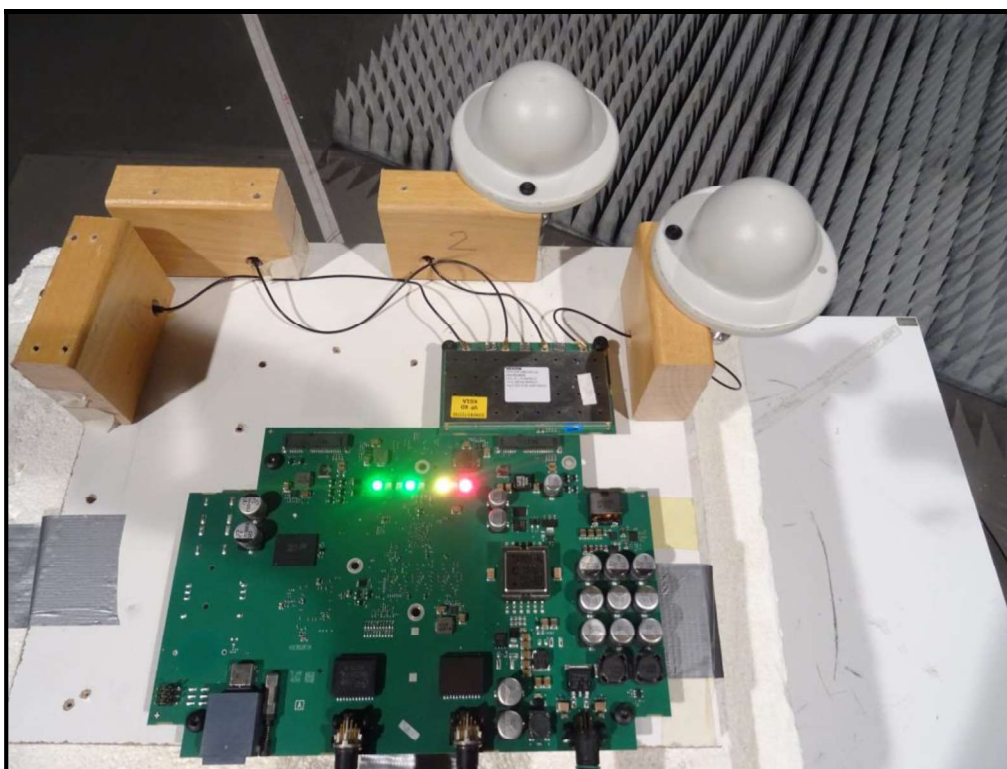
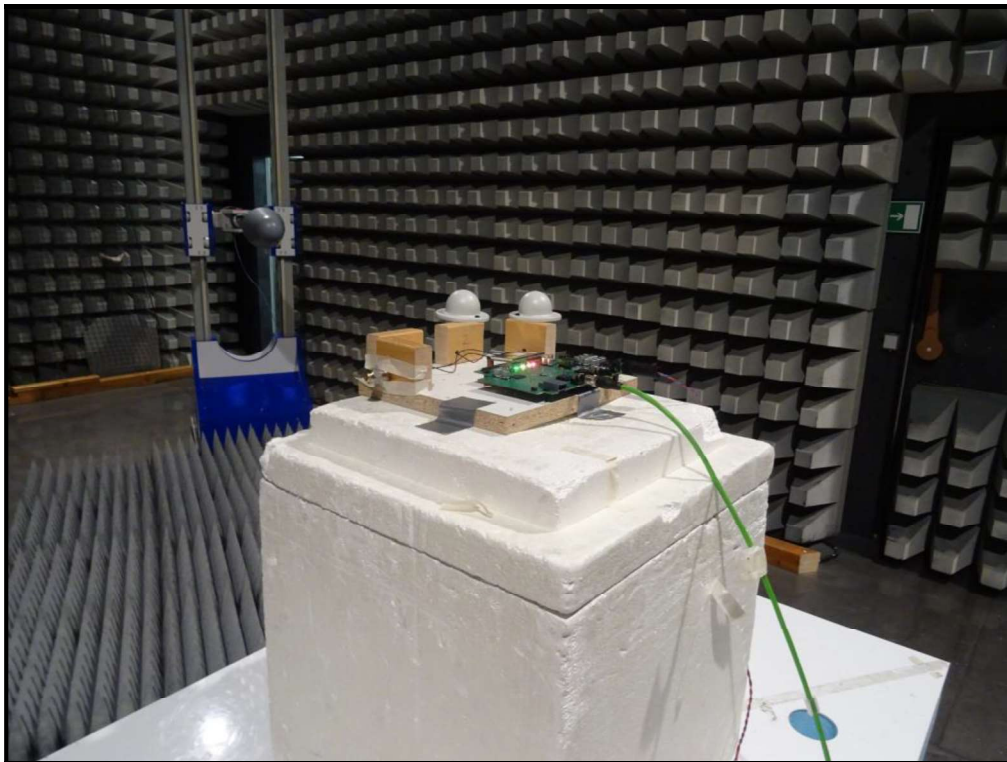
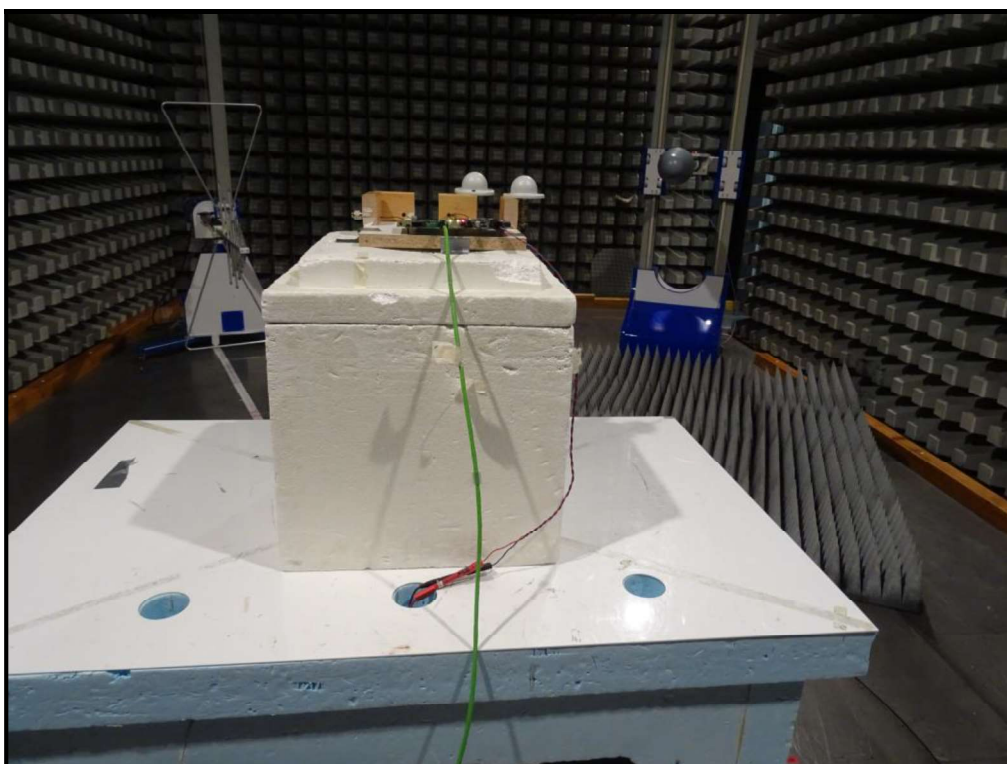


Photo 16:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 17:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )**



**Photo 18:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )**

### Transmitter Band Edge Radiated Emissions (continued)

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

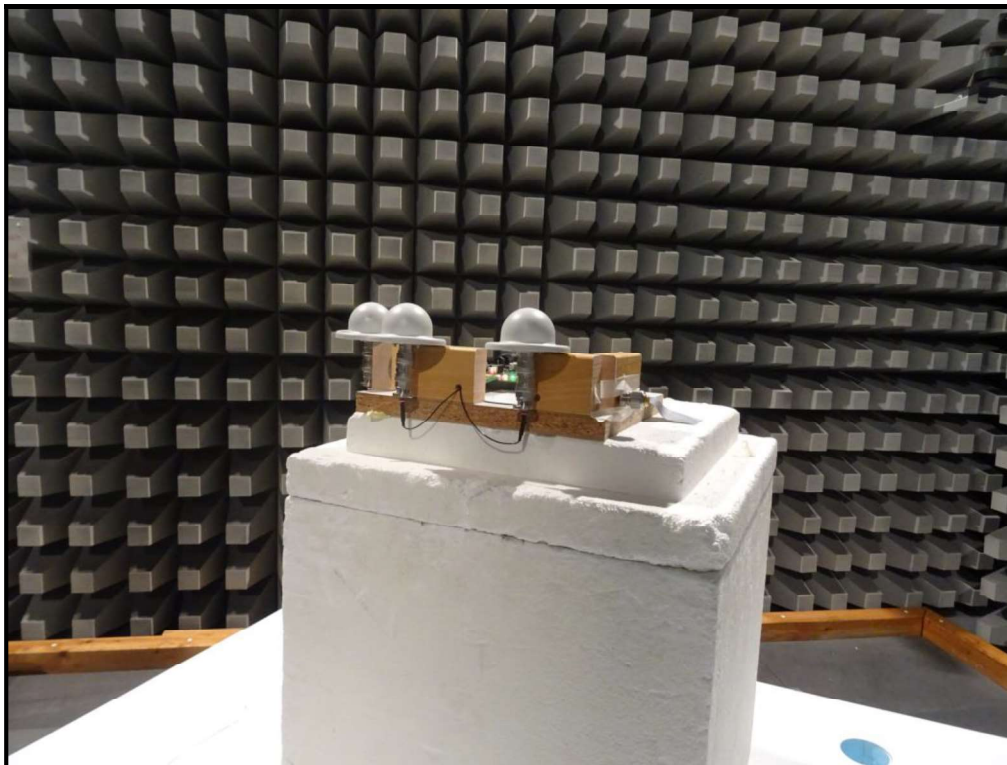


Photo 19:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50  $\Omega$ )

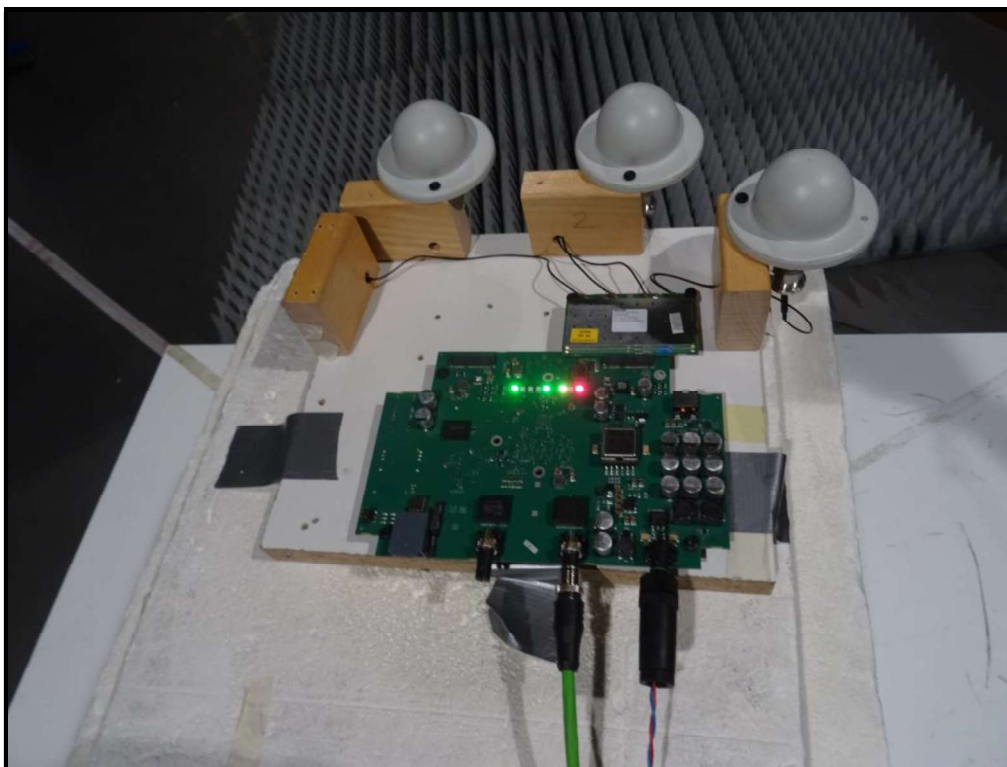
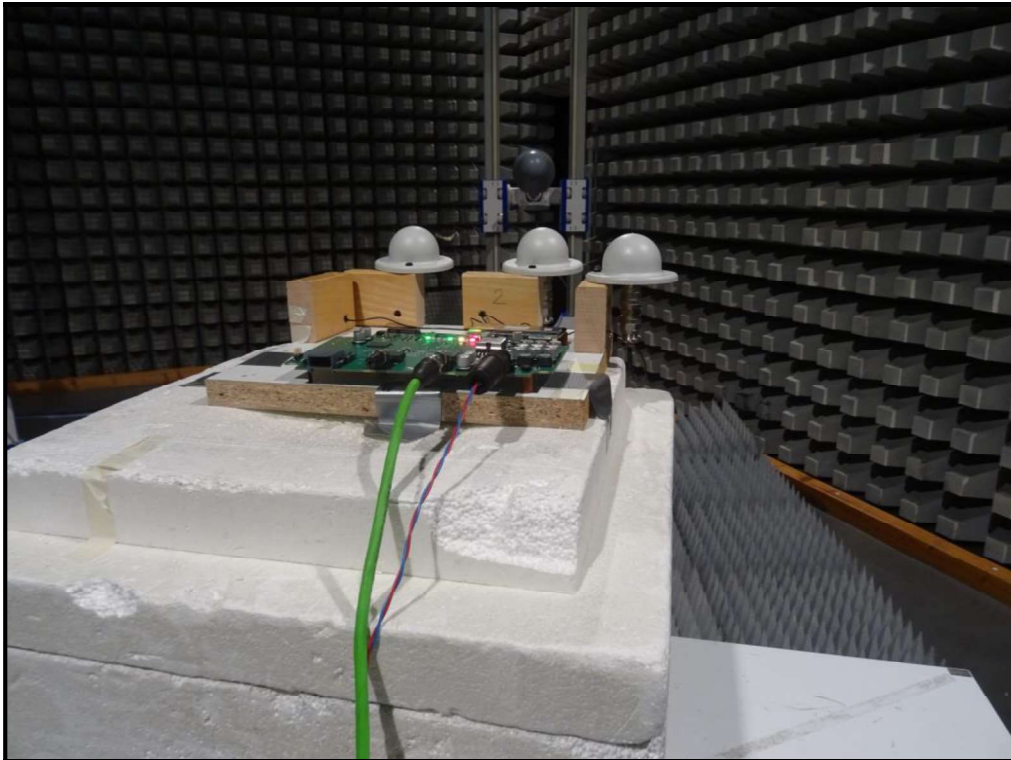
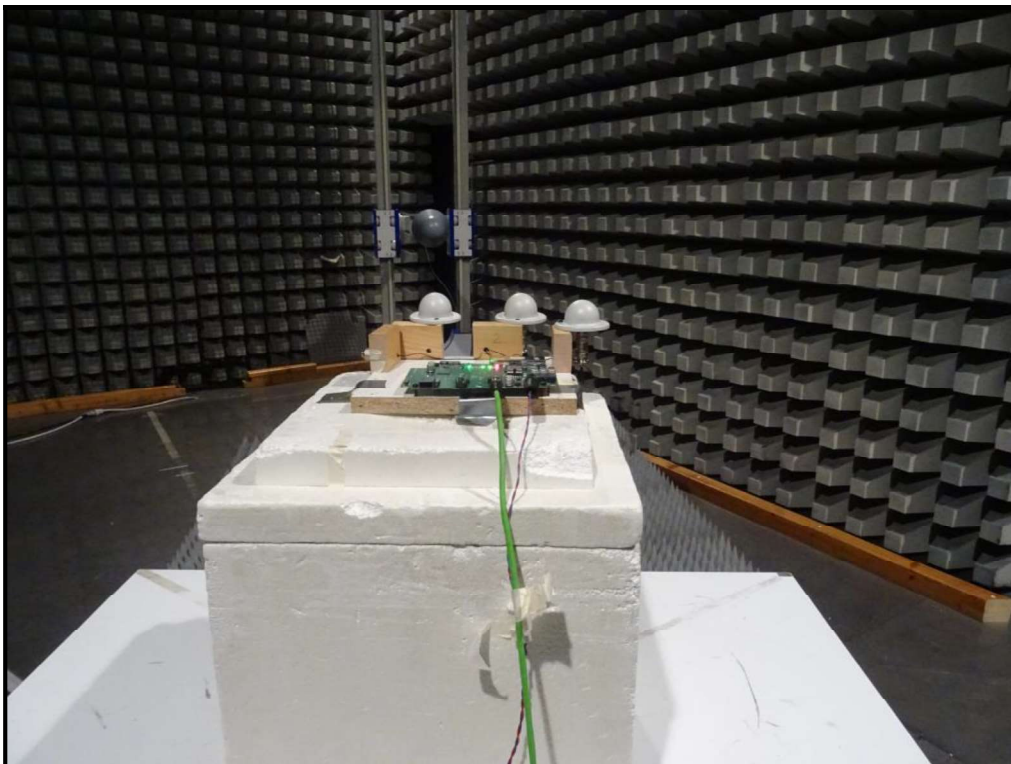


Photo 20:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50  $\Omega$ )

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 21:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50  $\Omega$ )**



**Photo 22:EUT- MIMO PORT 1+2+3 (Port 4 Terminatd with 50  $\Omega$ )**

### Transmitter Band Edge Radiated Emissions (continued)

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

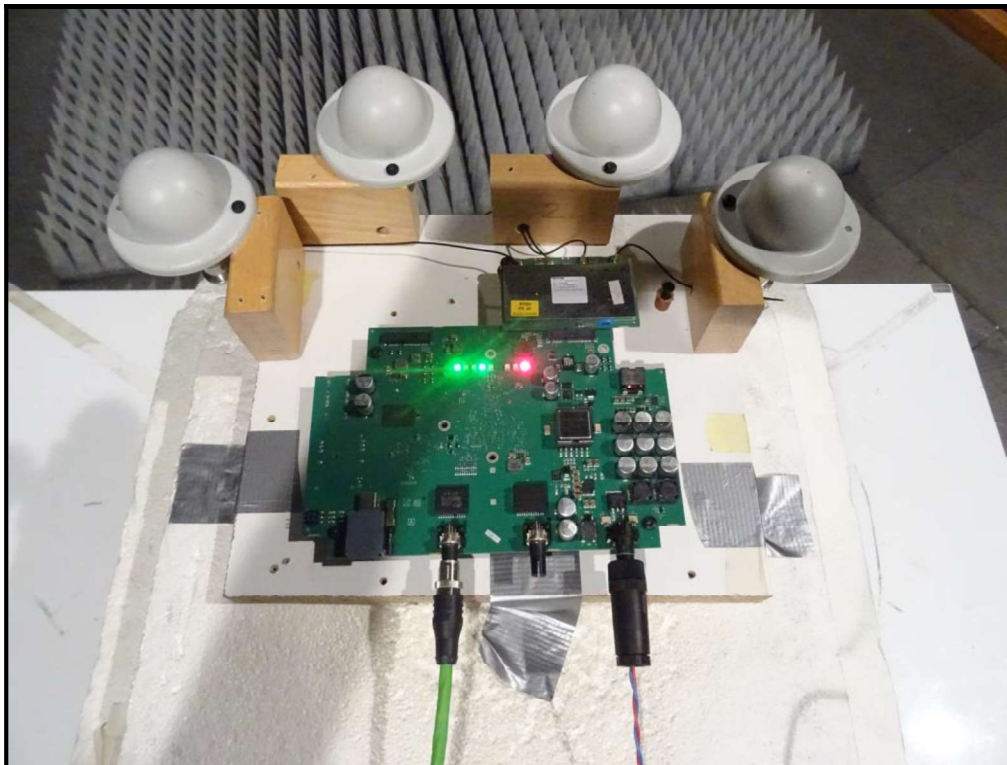


Photo 23: EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50  $\Omega$ )

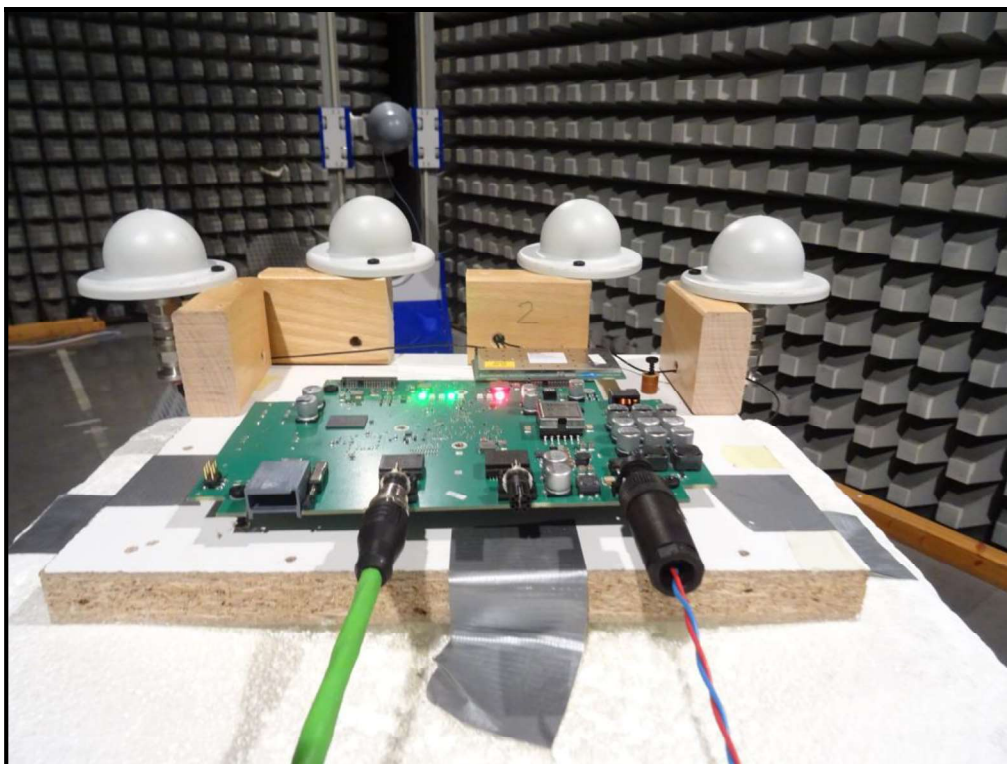
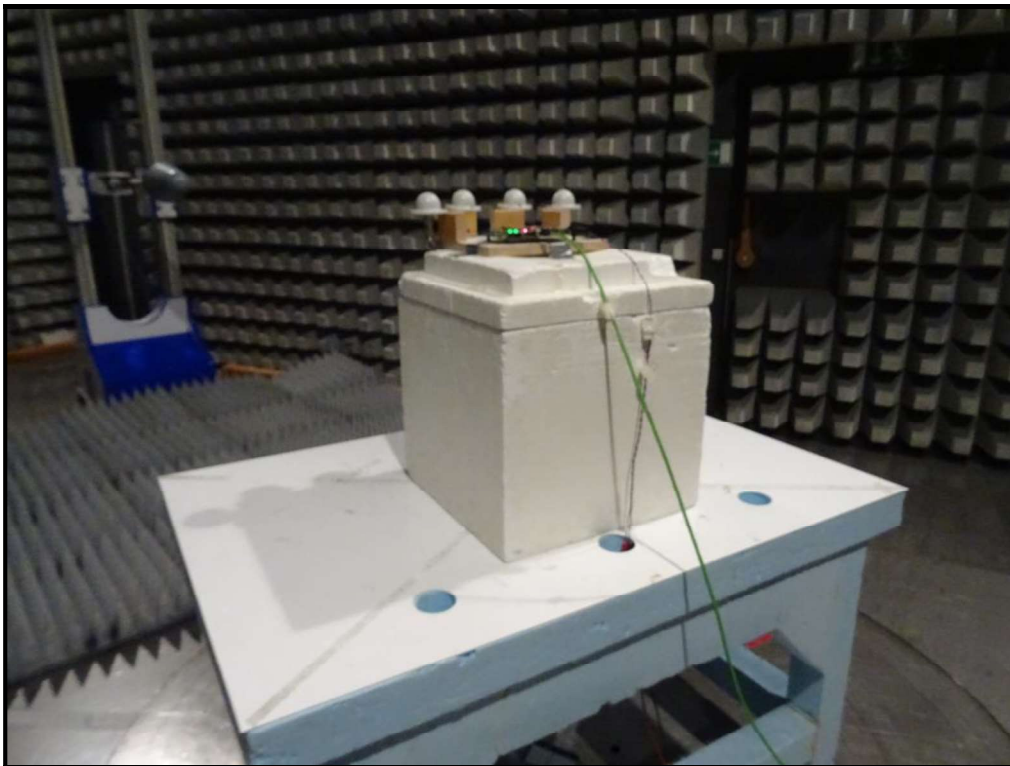
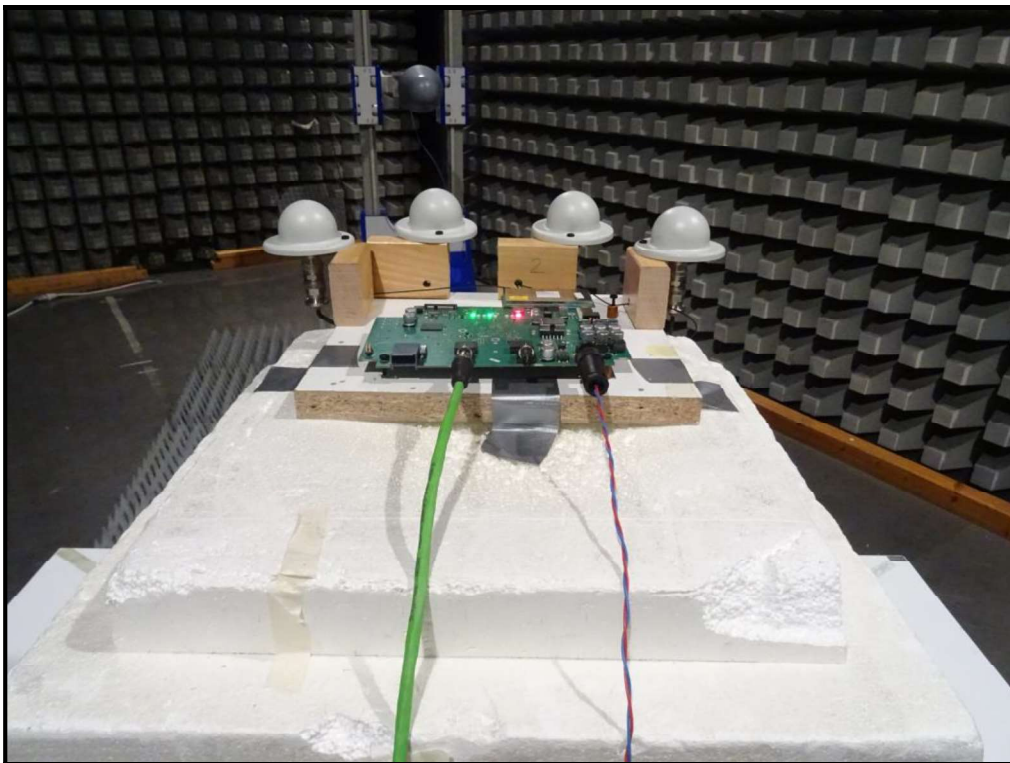


Photo 24: EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50  $\Omega$ )

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 25:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50  $\Omega$ )**

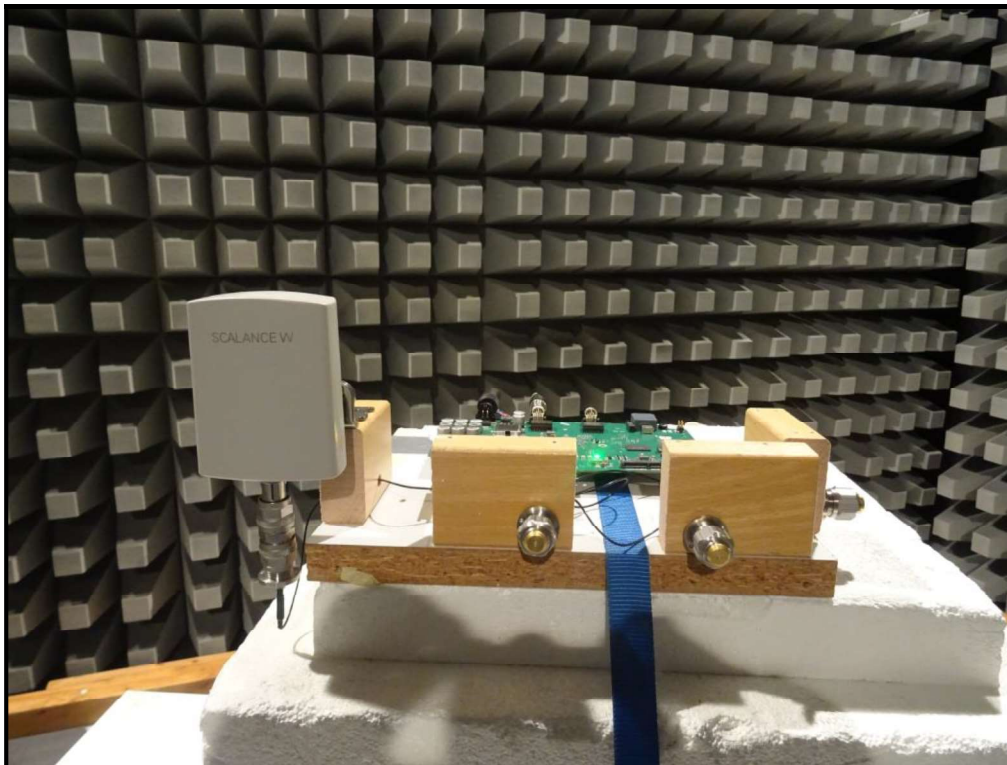


**Photo 26:EUT- MIMO PORT 1+2+3+4 (No Port Terminatd with 50  $\Omega$ )**

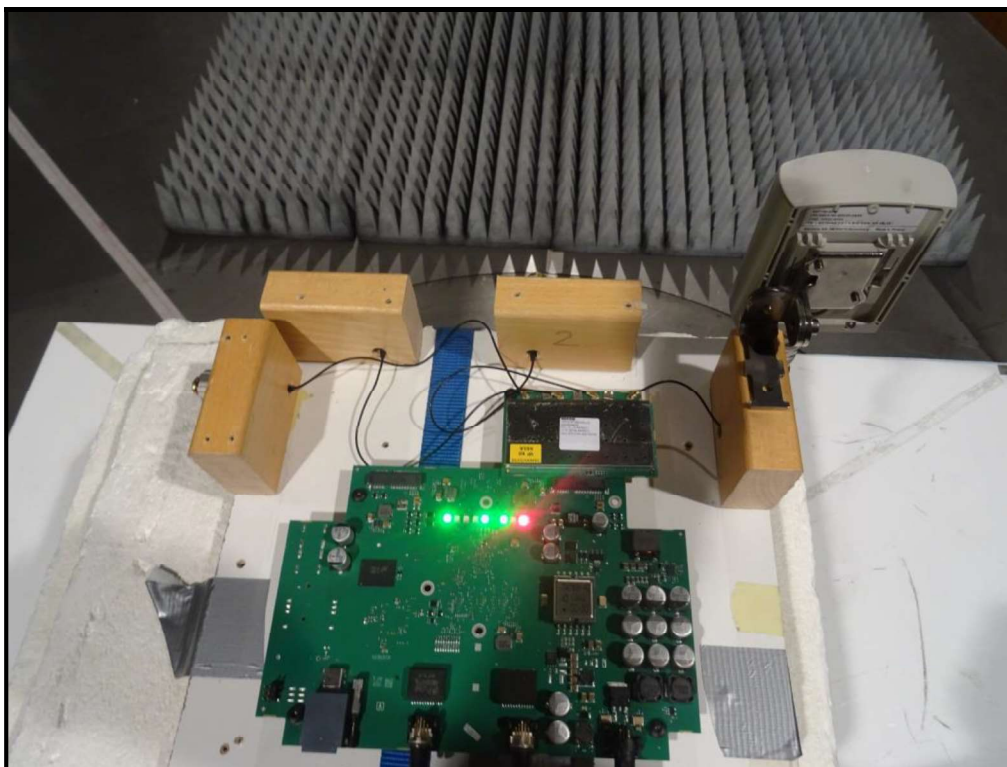
**Transmitter Band Edge Radiated Emissions (continued)**

**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  $\Omega$ ) with 9 dBi Antenna Group**

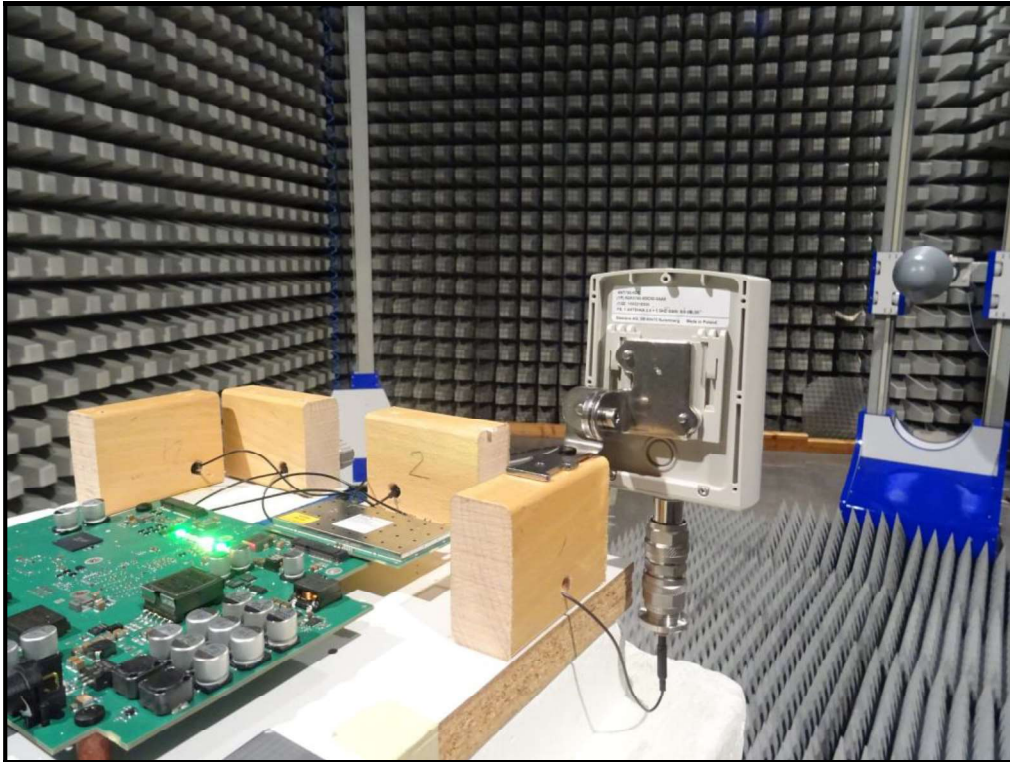


**Photo 27:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**

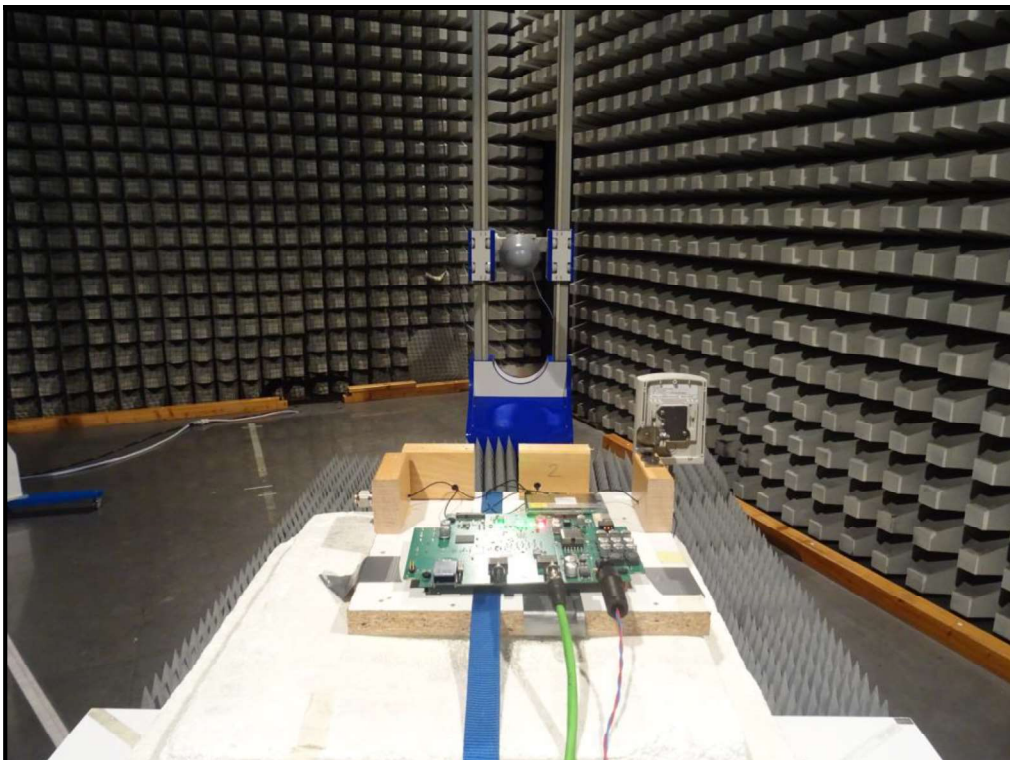


**Photo 28:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 29:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**



**Photo 30:EUT- SISO PORT 1 (Ports 2,3 & 4 Terminatd with 50  $\Omega$ )**



### Transmitter Band Edge Radiated Emissions (continued)

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

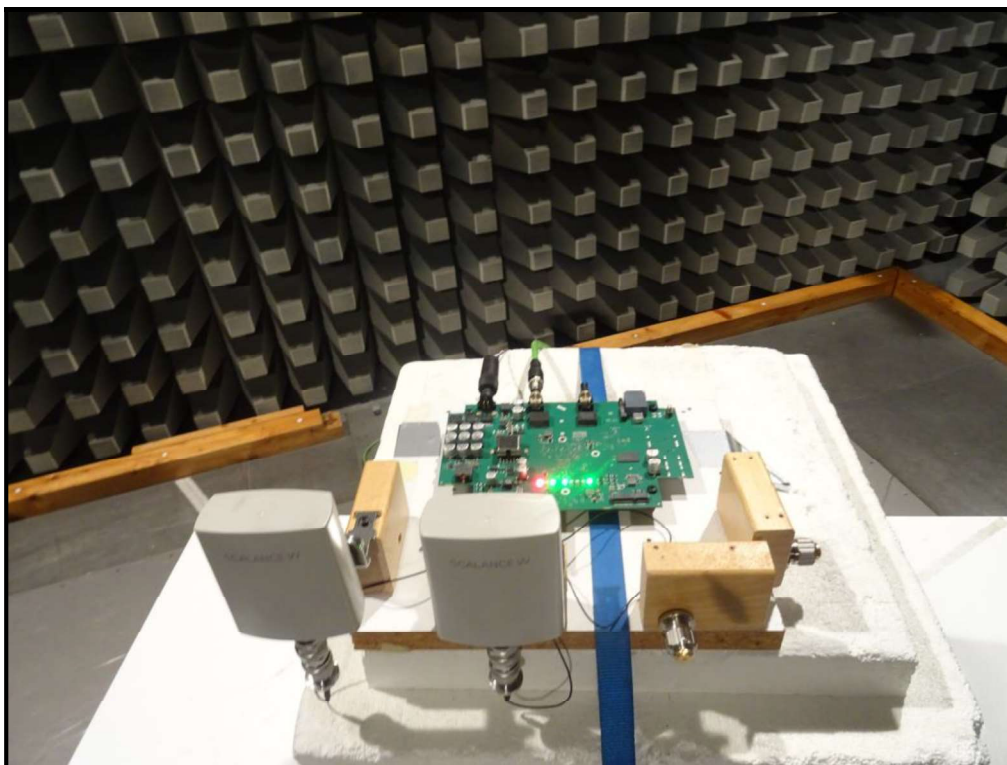


Photo 31:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )

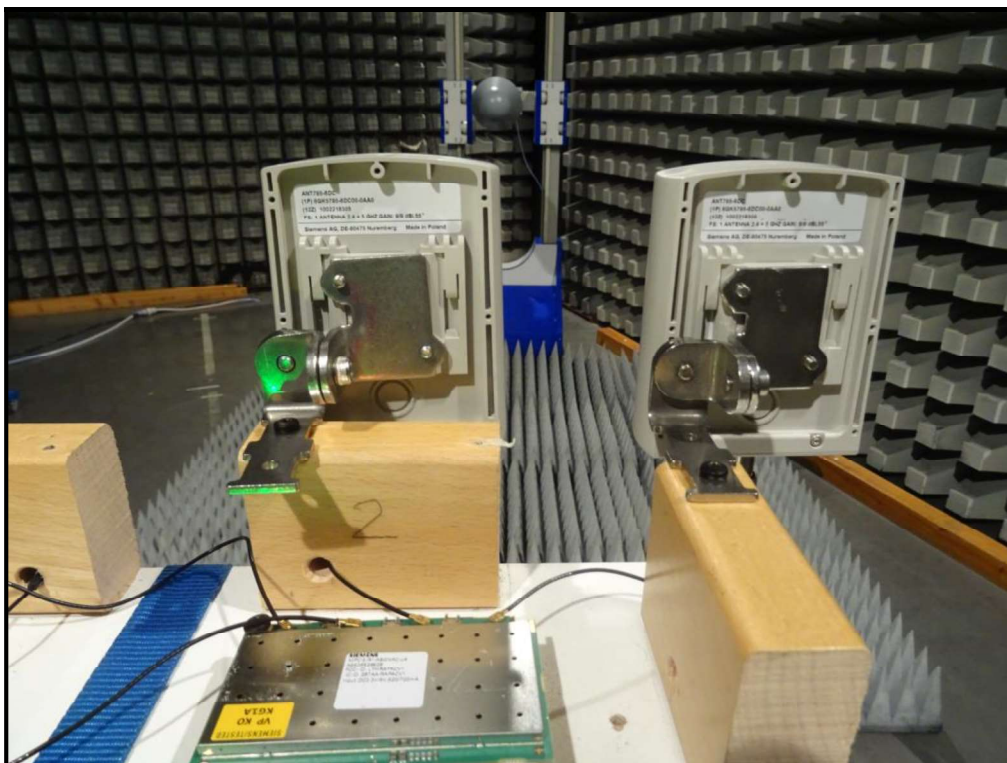
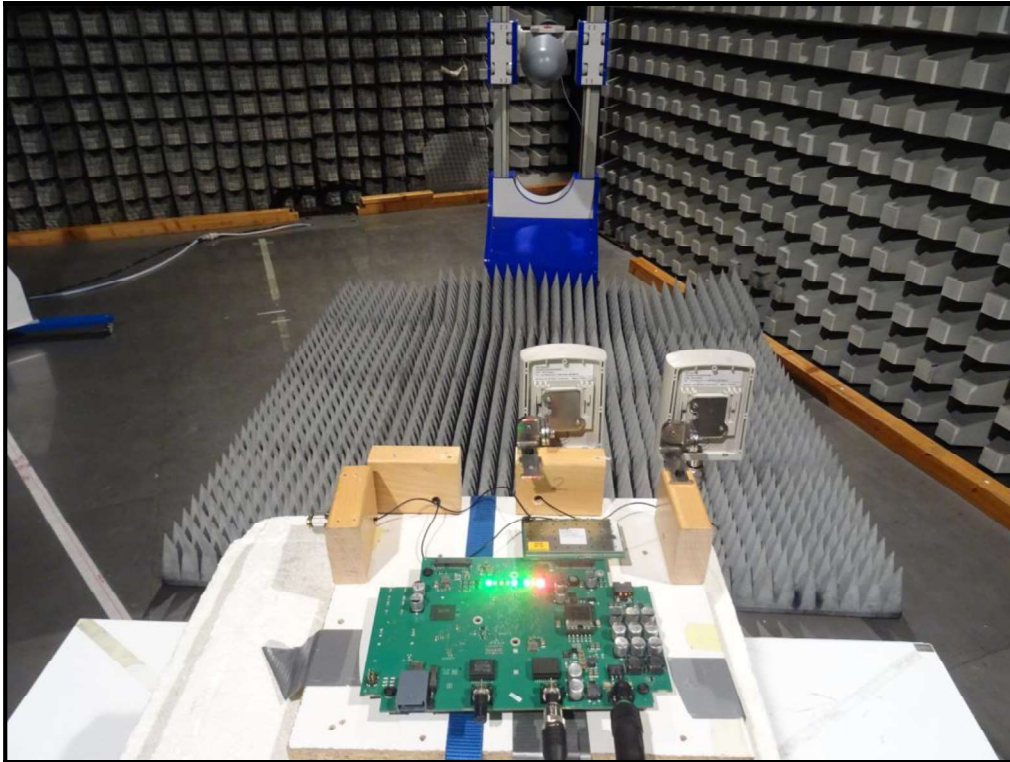
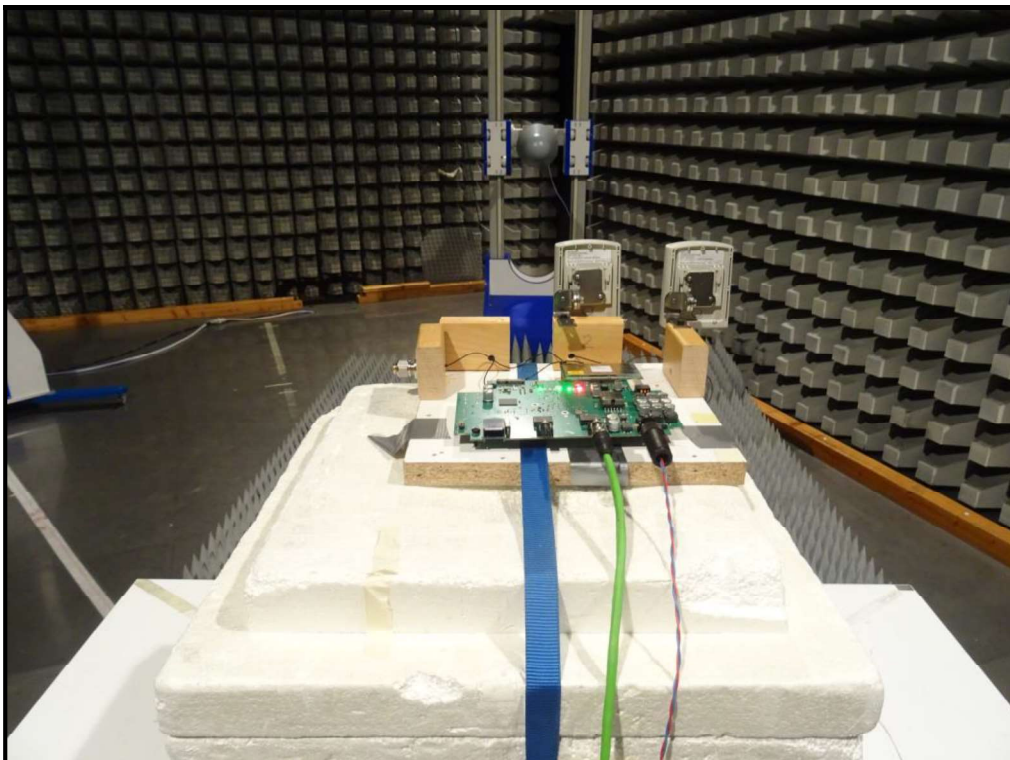


Photo 32:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )

**Transmitter Band Edge Radiated Emissions (continued)**



**Photo 33:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )**



**Photo 34:EUT- MIMO PORT 1+2 (Ports 3 & 4 Terminatd with 50  $\Omega$ )**