

Annex 4: Set-up photographs to
to TEST REPORT
No.: 17-1-0060101T11a

According to:

FCC Regulations

- Part 15.205
- Part 15.207
- Part 15.209
- Part 15.247

for

Viessmann Werke GmbH & Co. KG

Vitoconnect OT2

FCC ID: 2AIZ9-VC0218







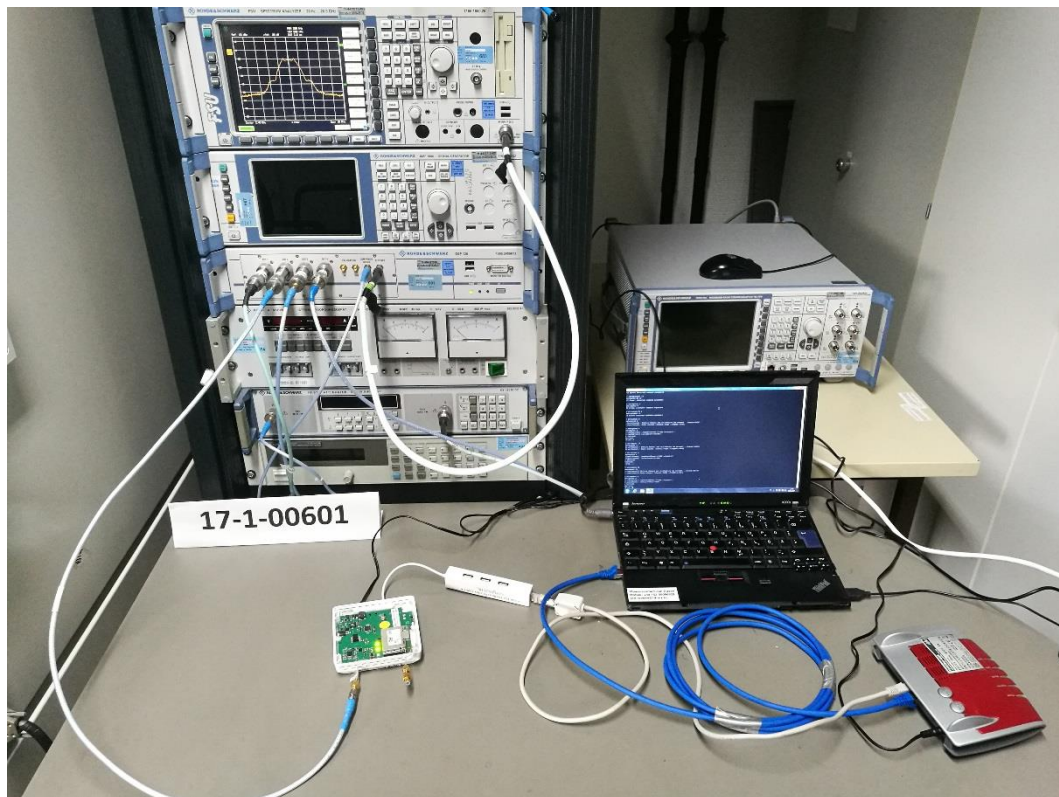
Laboratory Accreditation and Listings		
 <p>Deutsche Akkreditierungsstelle D-PL-12047-01-01</p> <p>Accredited EMC-Test Laboratory</p>	 <p>Industry Canada</p> <p>Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3</p>	 <p>Voluntary Controls for Electromagnetic Emissions</p> <p>Reg. No.: R-20013, C-20009, T-20006, G-20013</p>
 <p>AUTHORIZED RF LABORATORY</p>	 <p>Authorized Test Lab</p> <p>Lab Code: 20011130-00</p>	 <p>FEDERAL COMMUNICATIONS COMMISSION USA</p> <p>MRA US-EU 0003</p>
<p align="center">accredited according to DIN EN ISO/IEC 17025</p>		
<p align="center"> CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com </p>		

TABLE OF CONTENTS:

1. CONDUCTED RF-MEASUREMENTS SET-UP	3
1.1. Conducted Measurements-RF Power (RMS) + Duty Cycle + PSD +6 dB B.W.	3
1.2. Conducted Measurements-RF Power(Peak) + 20 dBc + 99% OBW	4
2. RADIATED RF-MEASUREMENTS SET-UP.....	5
2.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz	5
2.2. Radiated Field Strength Emissions - 30 MHz to 1 GHz	7
2.3. Radiated Field Strength Emissions – Above 1 GHz	9
3. AC POWER LINES CONDUCTED EMISSIONS	11
3.1. AC/DC Adapter Power Lines Conducted Emissions	11

1. Conducted RF-Measurements Set-up

1.1. Conducted Measurements-RF Power (RMS) + Duty Cycle + PSD +6 dB B.W.

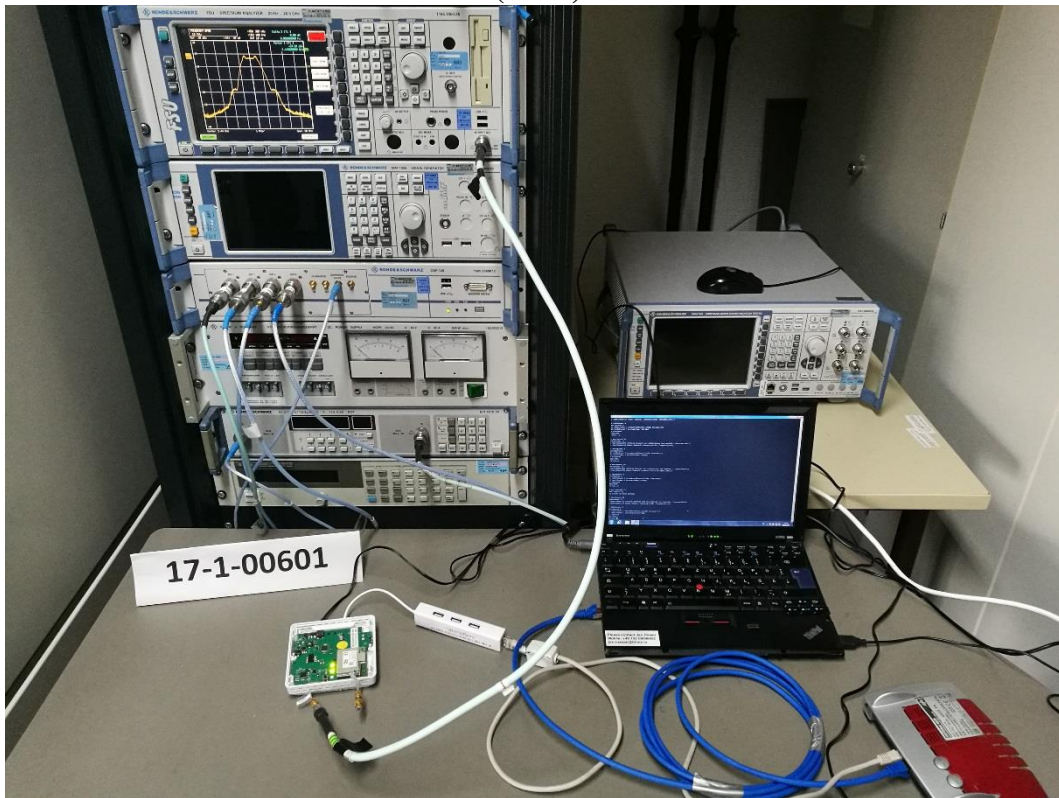


Photograph 1: Set Up 1-Overall View –ZigBee 2.4 GHz Tests- RF Power + Duty Cycle + PSD +6 dB B.W.



Photograph 2: Set Up 1-Close View - ZigBee 2.4 GHz Tests- RF Power + Duty Cycle + PSD +6 dB B.W.

1.2. Conducted Measurements-RF Power(Peak) + 20 dBc + 99% OBW



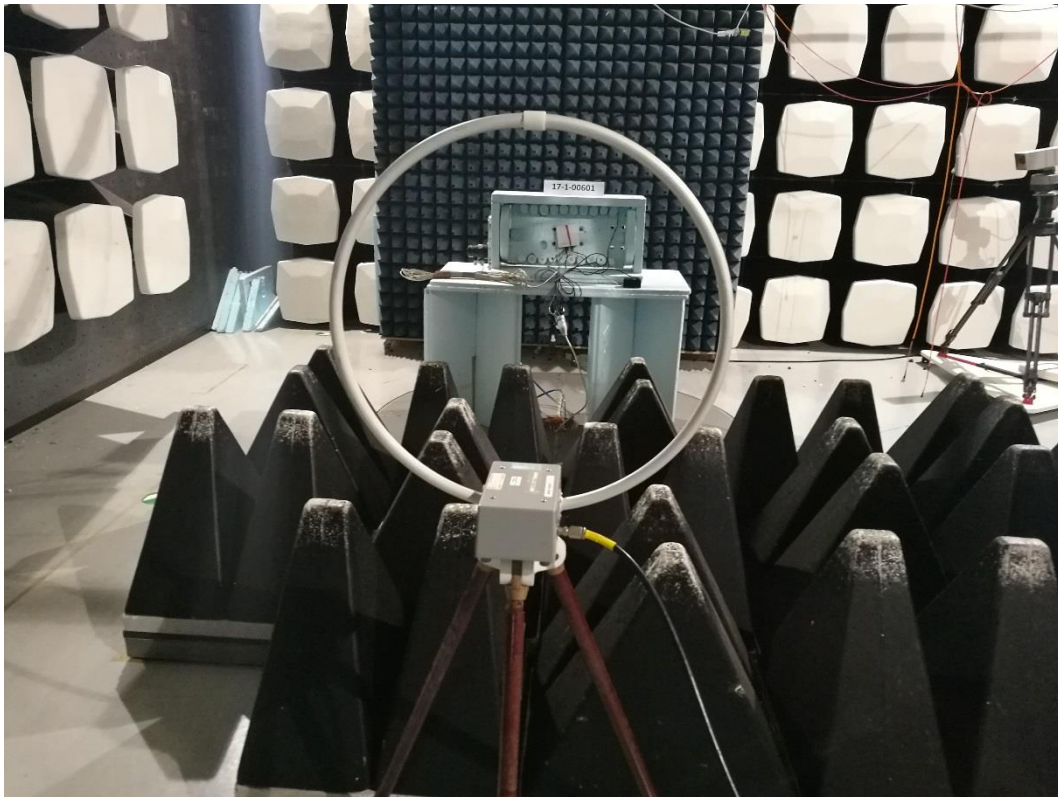
Photograph 3: Set Up 1-Overall View -ZigBee 2.4 GHz Tests- RF Power + 20 dBc + 99% OBW



Photograph 4: Set Up 1-Close View -ZigBee 2.4 GHz Tests- RF Power + 20 dBc + 99% OBW

2. Radiated RF-Measurements Set-up

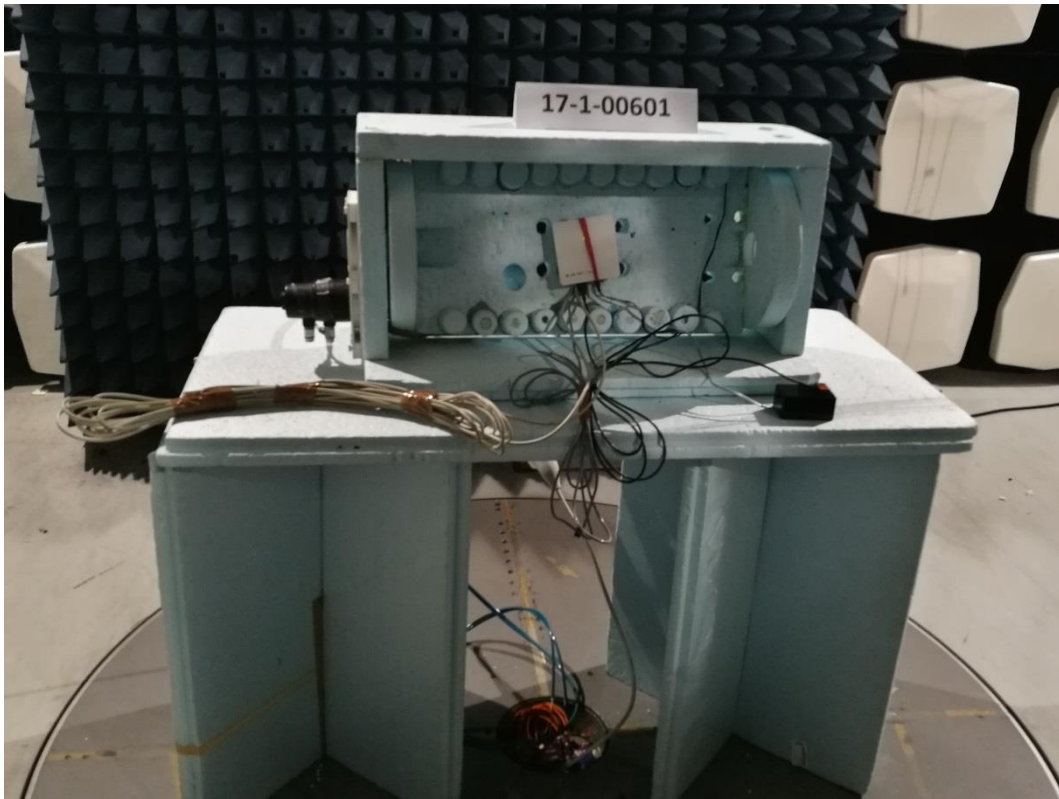
2.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz



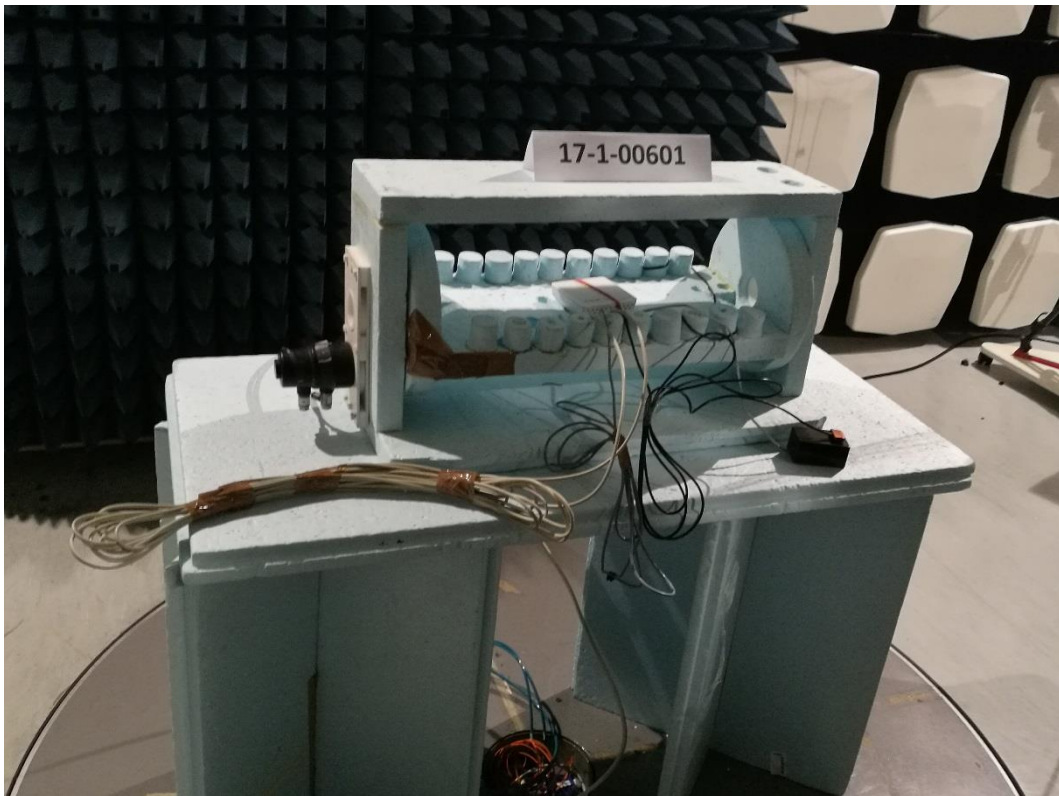
Photograph 5: Set Up 2-Overall View- 9 kHz-30 MHz- EUT Laying 90° - Front Side



Photograph 6: Set Up 2-Overall View- 9 kHz-30 MHz- EUT Laying 0° - Front Side

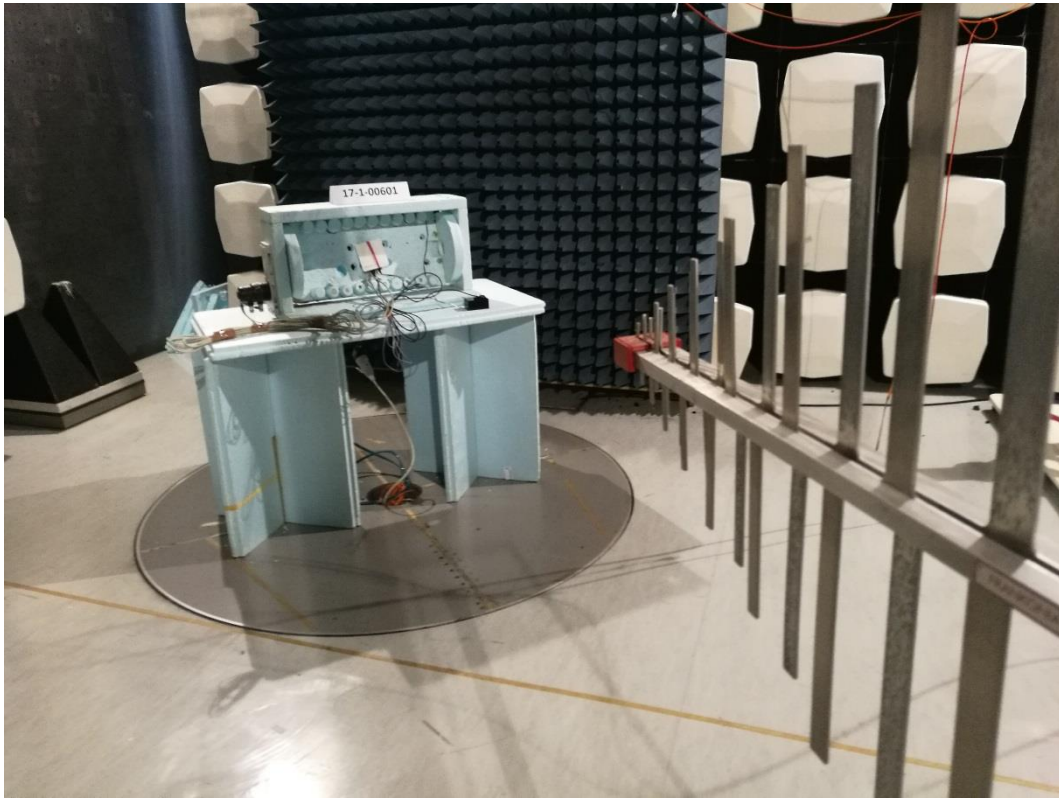


Photograph 7: Set Up 2-Close View -9 kHz-30 MHz- EUT Laying 90°- Front Side



Photograph 8: Set Up 2-Close View -9 kHz-30 MHz- EUT Laying 0°- Front Side

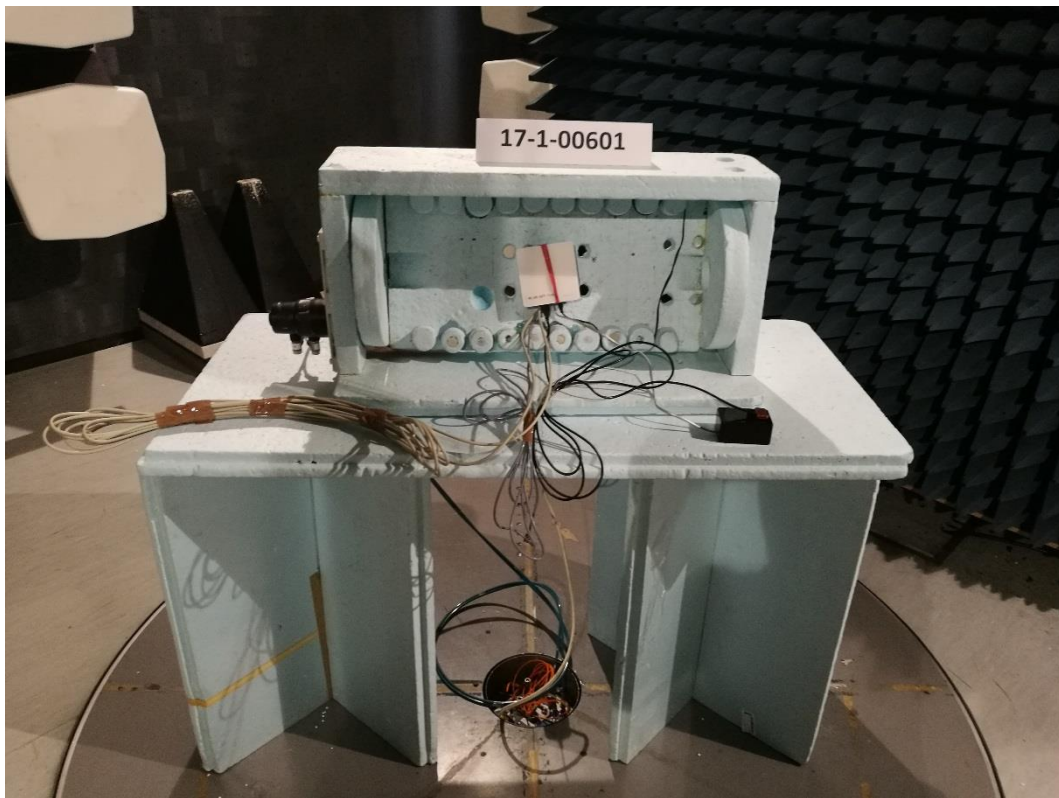
2.2. Radiated Field Strength Emissions - 30 MHz to 1 GHz



Photograph 9: Set Up 2-Overall View-30 MHz-1 GHz - EUT Laying 90° - Front Side



Photograph 10: Set Up 2-Overall View - 30 MHz-1 GHz - EUT Laying 0° - Front Side



Photograph 11: Set Up 2-Close View - 30 MHz-1 GHz - EUT Standing 90° - Front Side

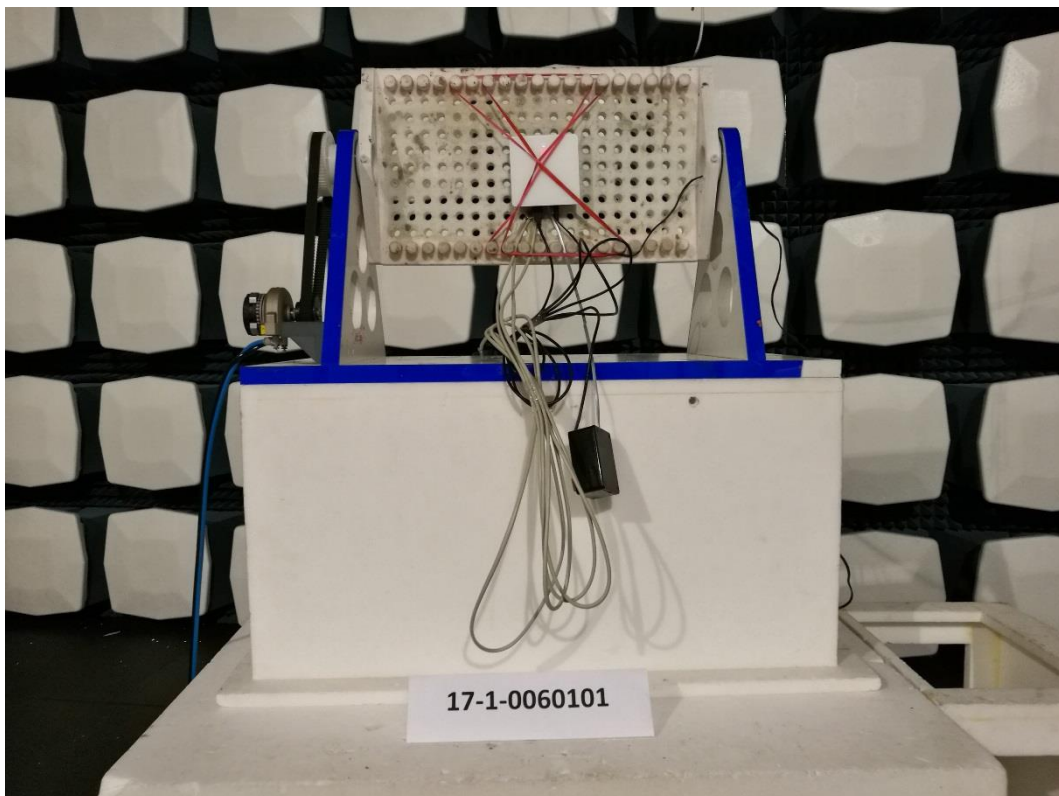


Photograph 12: Set Up 2-Close View - 30 MHz-1 GHz - EUT Standing 0° - Front Side

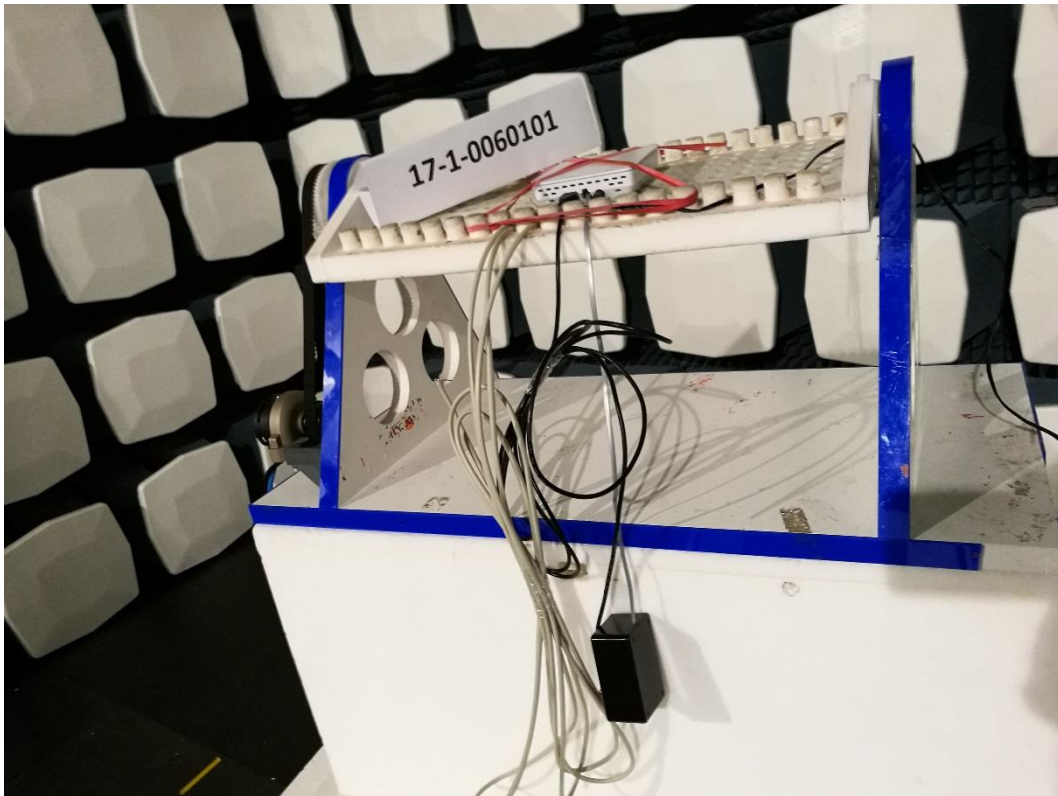
2.3. Radiated Field Strength Emissions – Above 1 GHz



Photograph 13: Set Up 2-Overall View - above 1 GHz- EUT Standing 0°- Front Side



Photograph 14: Set Up 2-Close View - above 1 GHz - EUT Standing 90°- Front Side



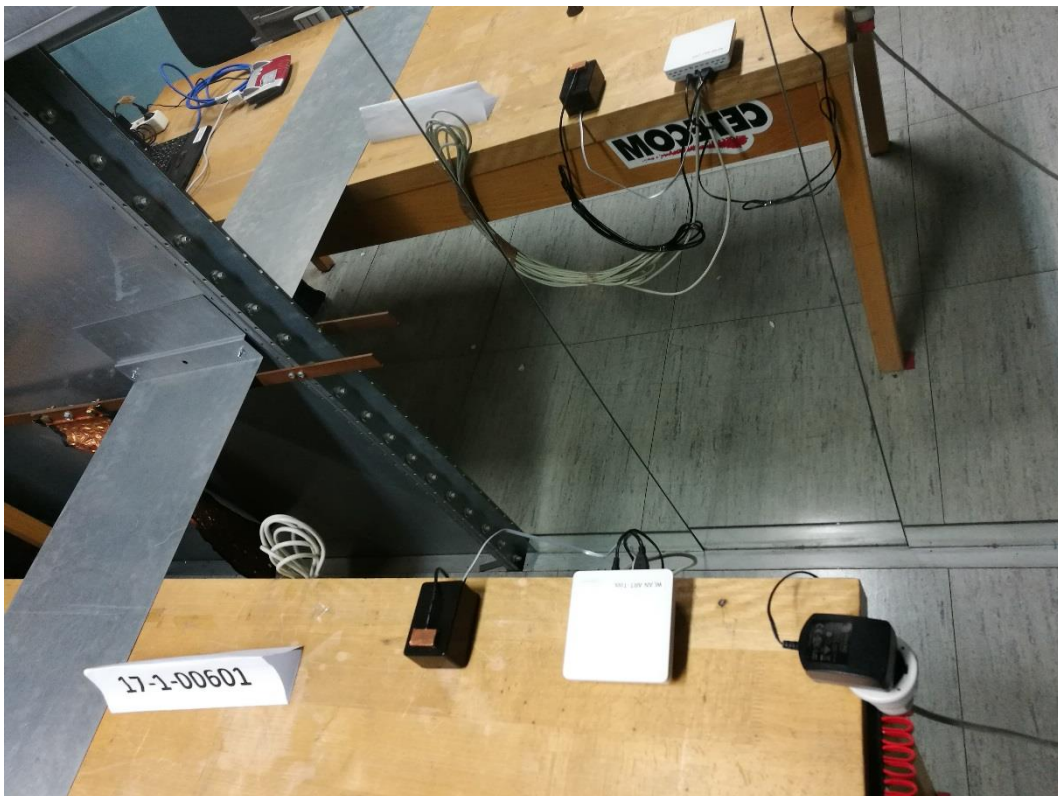
Photograph 15: Set Up 2-Close View - above 1 GHz - EUT Standing 0° - Front Side

3. AC Power Lines Conducted Emissions

3.1. AC/DC Adapter Power Lines Conducted Emissions



Photograph 16: Set Up 2-Overall View - ZigBee 2.4 GHz Tests -AC-Power Lines Emissions



Photograph 17: Set Up 2-Close View - ZigBee 2.4 GHz Tests-AC-Power Lines Emissions