

# Annex 4: Set-up photographs to to T E S T R E P O R T No.: 18-1-0000401T02a-C1

According to:  
**FCC Regulations**  
Part 15.247

for

Agilion GmbH

WIRELESS TAG ASSET PULSE  
WIRELESS TAG ASSET PULSE | PHASE

FCC ID: SCF6032701

| Laboratory Accreditation and Listings                                                                                                                                                                                                                                                                                      |                                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>DAkkS</b><br>Deutsche<br>Akkreditierungsstelle<br>D-PL-12047-01-01                                                                                                                                                               | <br>FEDERAL COMMUNICATIONS COMMISSION<br>• USA •<br>MRA US-EU 0003             | <br>Industry Canada<br>Reg. No.: 3462D-2<br>Reg. No.: 3462D-3 | <br>Voluntary Controls for<br>Electromagnetic Emissions<br>Reg. No.:<br>R-2666 C-2914,<br>T-1967, G-301 |
| <br><b>WiFi</b><br>ALLIANCE<br>AUTHORIZED<br>RF LABORATORY                                                                                                                                                                              | <br><b>ctia</b> Authorized <sup>TM</sup><br>Test Lab<br>Lab Code: 20011130-00 |                                                                                                                                                   |                                                                                                                                                                                              |
| accredited according to DIN EN ISO/IEC 17025                                                                                                                                                                                                                                                                               |                                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                                                              |
| <b>CETECOM GmbH</b><br>Laboratory Radio Communications & Electromagnetic Compatibility<br>Im Teelbruch 116 • 45219 Essen • Germany<br>Registered in Essen, Germany, Reg. No.: HRB Essen 8984<br>Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964<br>E-mail: info@cetecom.com • Internet: www.cetecom.com |                                                                                                                                                                   |                                                                                                                                                   |                                                                                                                                                                                              |

## TABLE OF CONTENTS:

|                                                                  |          |
|------------------------------------------------------------------|----------|
| <b>1. RADIATED RF-MEASUREMENTS SET-UP.....</b>                   | <b>3</b> |
| 1.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz .....   | 3        |
| 1.2. Radiated Field Strength Emissions - 30 MHz to 960 MHz ..... | 4        |
| 1.3. Radiated Field Strength Emissions – 1 GHz – 18 GHz .....    | 5        |
| 1.4. Radiated Field Strength Emissions –18000 MHz – 25 MHz.....  | 6        |
| <b>2. CONDUCTED RF-MEASUREMENTS SET-UP .....</b>                 | <b>8</b> |
| 2.1. Duty-Cycle of EUT.....                                      | 8        |
| 2.2. 99% Occupied Bandwidth .....                                | 9        |
| 2.3. Conducted RF-power (Peak) .....                             | 10       |
| 2.4. Power Spectral Density.....                                 | 11       |
| 2.5. 20dBc Emissions (conducted) .....                           | 11       |

## 1. Radiated RF-Measurements Set-up

### 1.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz

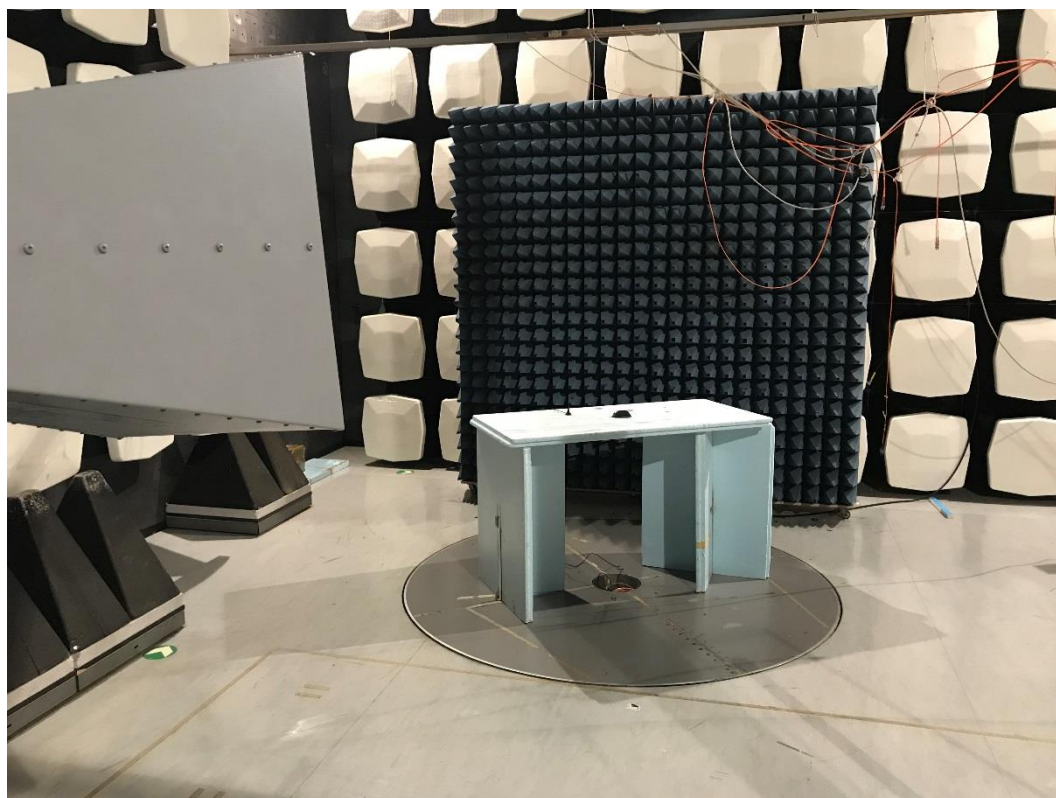


**Photograph 1: Overall View**



**Photograph 2: Close View**

## 1.2. Radiated Field Strength Emissions - 30 MHz to 960 MHz

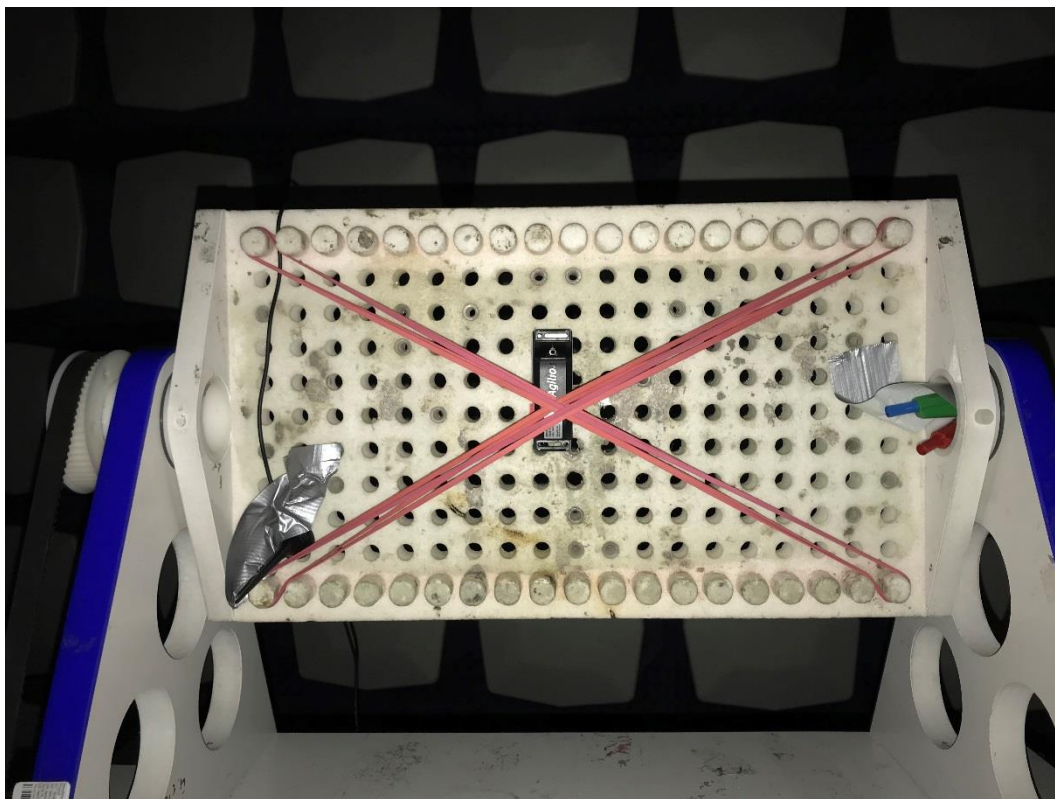


**Photograph 3: Overall View**

### 1.3. Radiated Field Strength Emissions – 1 GHz – 18 GHz

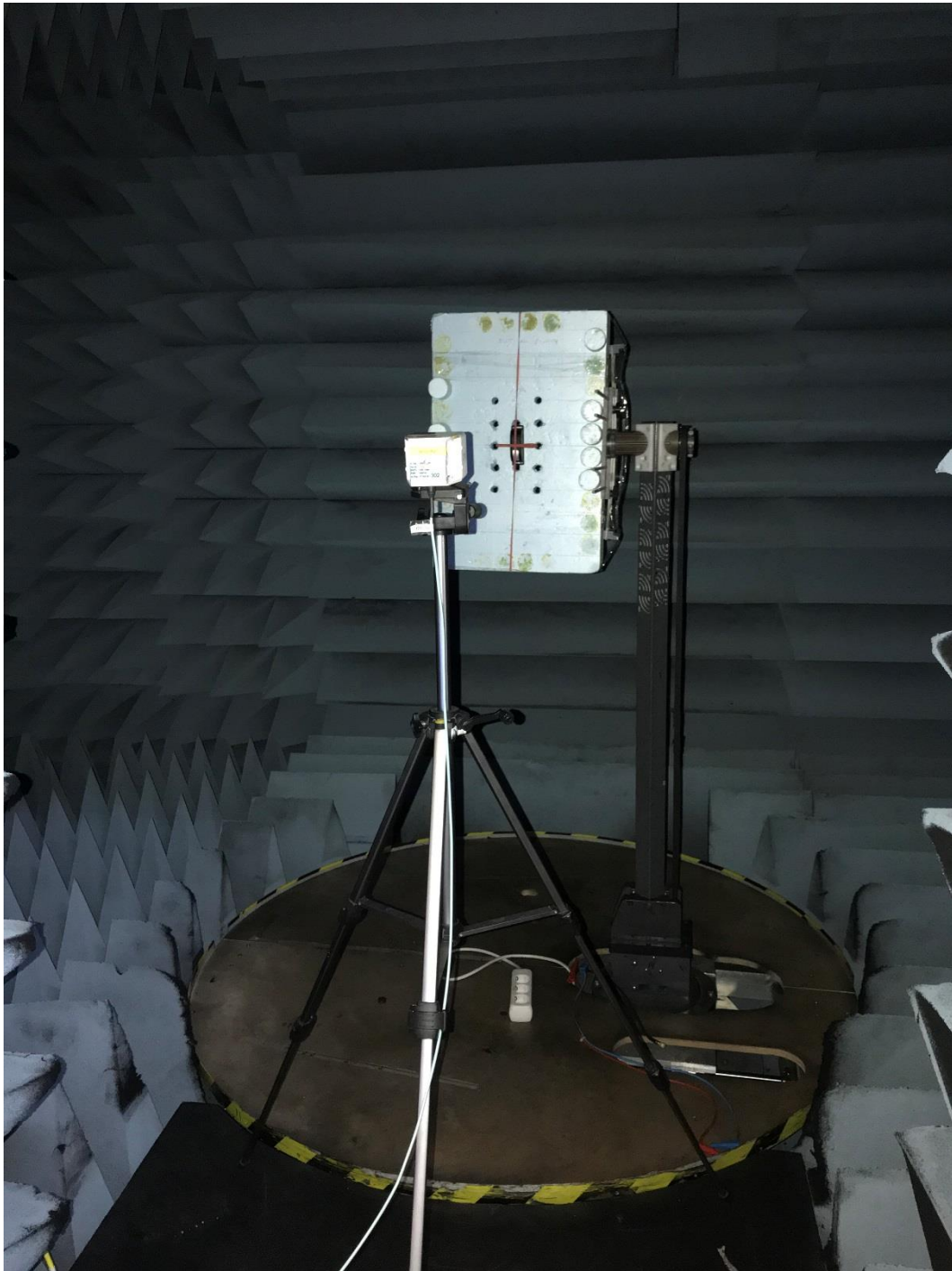


Photograph 4: Overall View

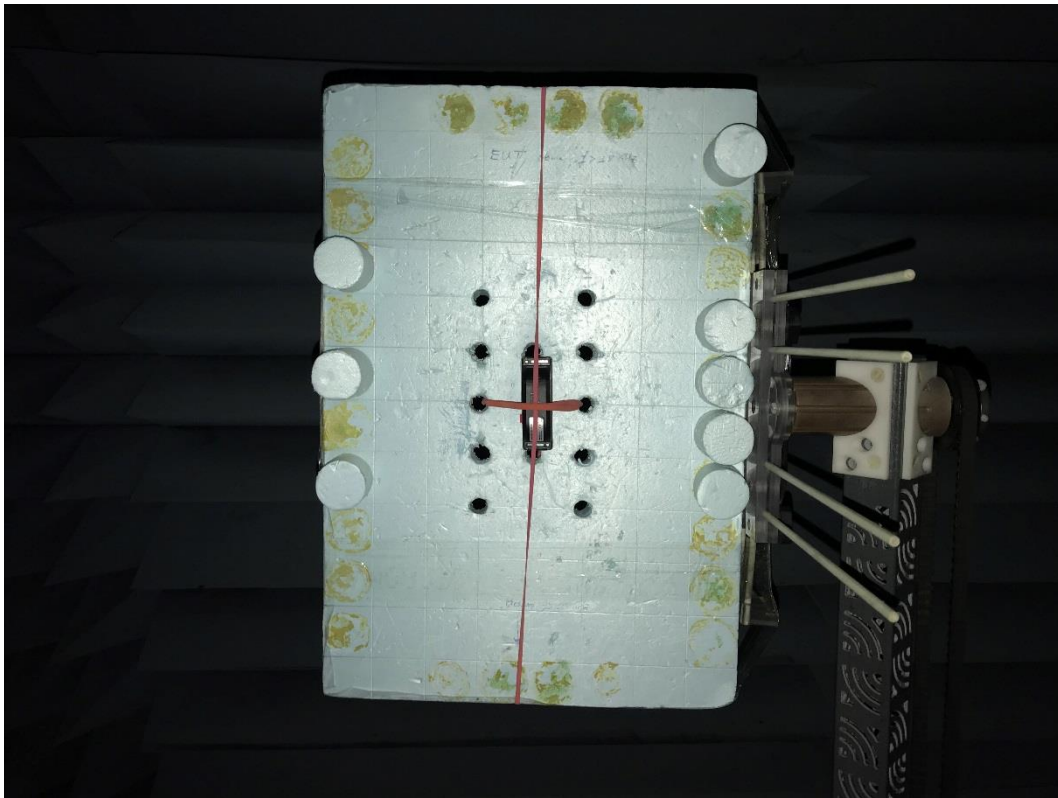


Photograph 5: Close View

#### 1.4. Radiated Field Strength Emissions –18000 MHz – 25 MHz



Photograph 6: Overall View



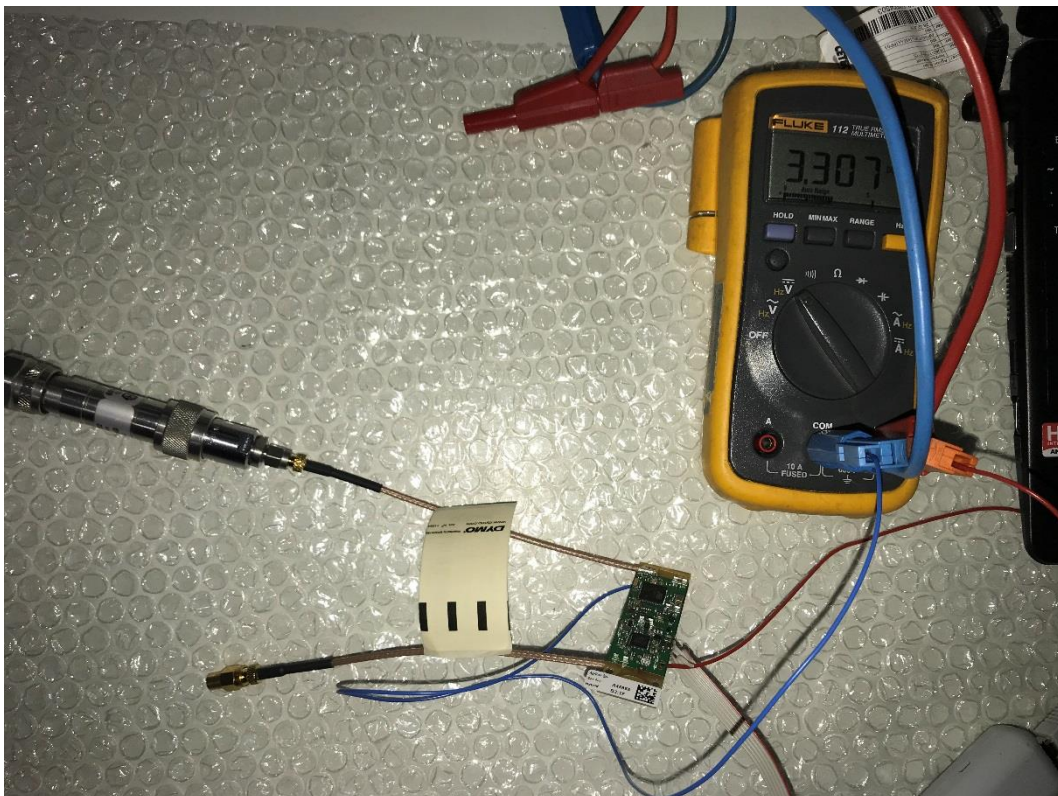
**Photograph 7: Close View**

## 2. Conducted RF-Measurements Set-Up

### 2.1. Duty-Cycle of EUT



Photograph 8: Overall View

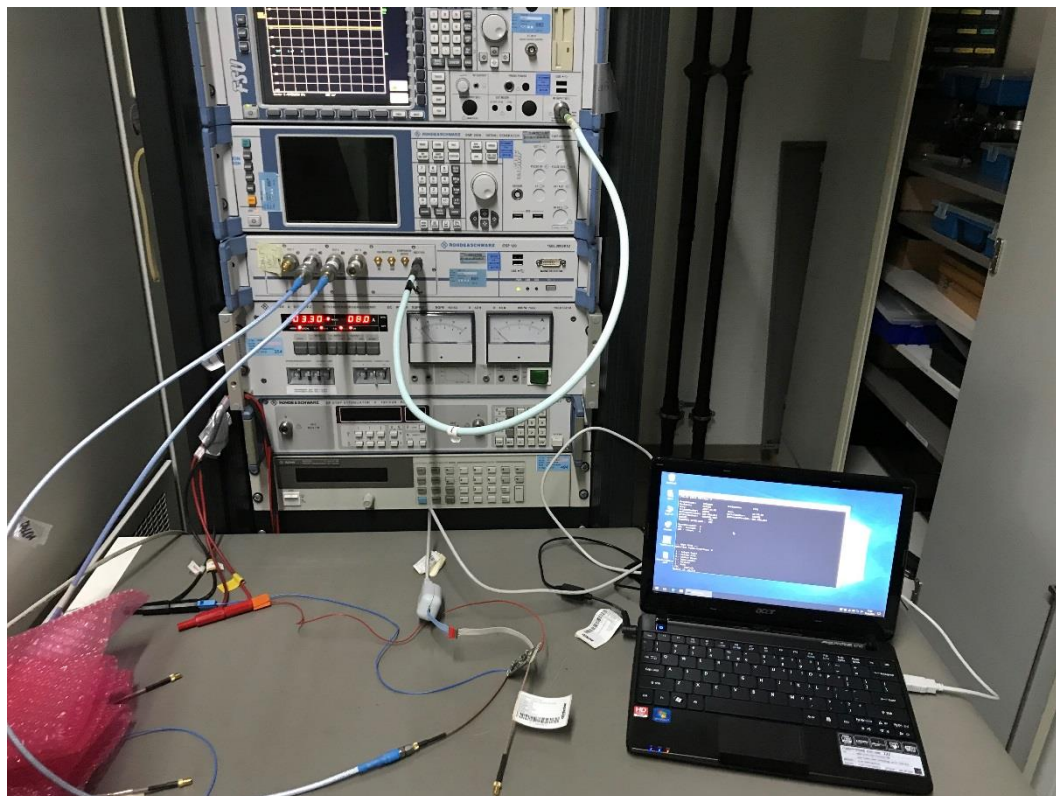


Photograph 9: Close View

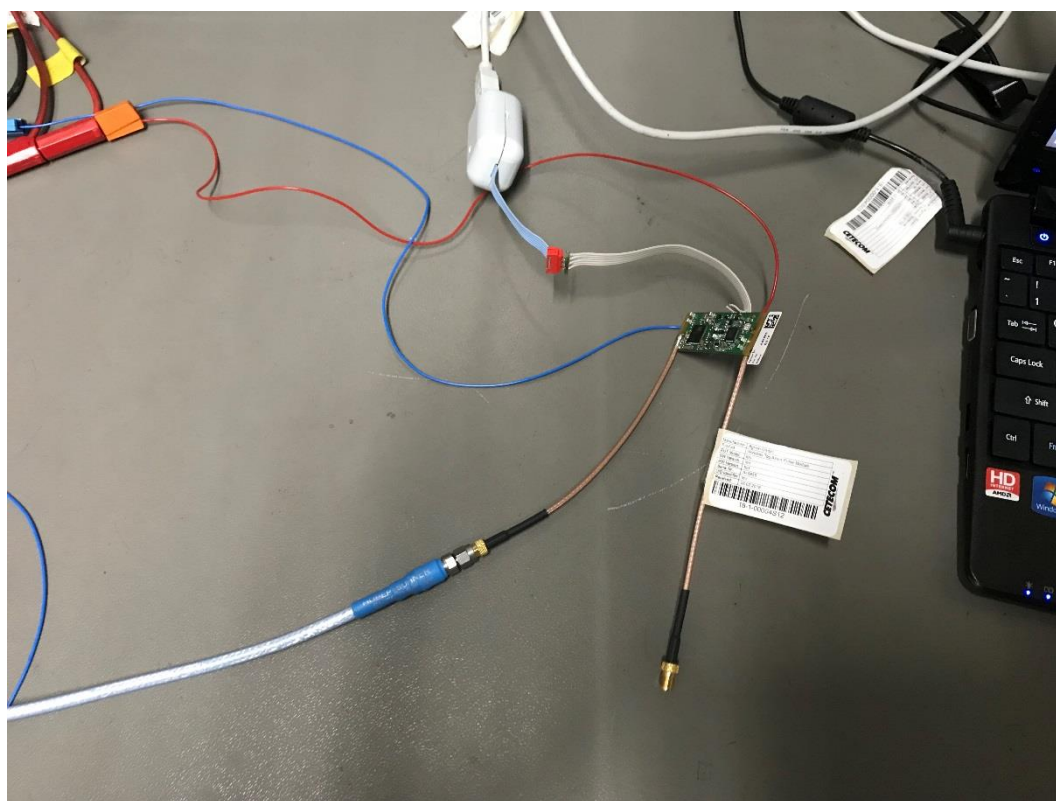
## **2.2. 99% Occupied Bandwidth**

See chapter 2.1.

### 2.3. Conducted RF-power (Peak)



Photograph 10: Overall View



Photograph 11: Close View

**2.4. Power Spectral Density**

See chapter 2.3.

**2.5. 20dBc Emissions (conducted)**

See chapter 2.3.