

# TEST REPORT

Reference No..... : WTS16S0654528E  
FCC ID..... : XBAFT112-D  
Applicant..... : Aeon Labs LLC.  
Address..... : 121 Buckingham Drive Unit 36 Santa Claras California 95051,United States  
Manufacturer ..... : Fantem Technologies (Shenzhen) Co., Ltd.  
Address..... : North, 3/F, Yitao Technology Industrial Park, Baihua Yuan Rd., The Second Industrial Area, Guangming Sub-districtOffice, Guangming New District, Shenzhen, Guangdong, China.  
Product Name..... : Door/Window Sensor  
Model No..... : FT112-D  
Brand..... : AEOTEC,Fantem  
Standards..... : FCC CFR47 Part 15 Section 15.249: 2015  
ANSI C63.10: 2013;ANSI C63.4: 2014  
Date of Receipt sample..... : Jun. 29, 2016  
Date of Test..... : Jul. 01 – 15, 2016  
Date of Issue..... : Jul. 20, 2016  
Test Result..... : Pass

## Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

## Prepared By:

**Waltek Services (Shenzhen) Co., Ltd.**

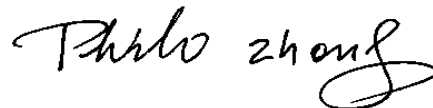
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Approved by:



Zero Zhou / Test Engineer

Philo Zhong / Manager

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**3 Revision History**

| Test report No. | Date of Receipt sample | Date of Test       | Date of Issue | Purpose  | Comment | Approved |
|-----------------|------------------------|--------------------|---------------|----------|---------|----------|
| WTS16S0654528E  | Jun. 29, 2016          | Jul. 01 – 15, 2016 | Jul. 20, 2016 | original | -       | Valid    |

## 4 General Information

### 4.1 General Description of E.U.T.

|                        |                     |
|------------------------|---------------------|
| Product Name:          | Door/Window Sensor  |
| Model No.:             | FT112-D             |
| Model Differences:     | N/A                 |
| Type of Modulation:    | FSK                 |
| Frequency Range:       | 919.80MHz,919.82MHz |
| The Lowest Oscillator: | 32MHz               |
| Antenna installation:  | Integrated Antenna  |
| Antenna Gain:          | -3dBi               |

### 4.2 Details of E.U.T.

|                 |                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| Technical Data: | Rechargeable Lithium battery, 3.7V, 500mAh.<br>Battery charger input: Micro USB port, DC 5V $\pm$ 0.5V, max 1A |
|-----------------|----------------------------------------------------------------------------------------------------------------|

### 4.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **IC – Registration No.:7760A-1**

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration number 7760A-1, October 15, 2015.

- **FCC Test Site 1#– Registration No.: 880581**

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581, April 29, 2014.

- **FCC Test Site 2#– Registration No.: 328995**

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 328995, December 3, 2014.

#### 4.4 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests.

And according to FCC 47 CFR Section 15.203(m):

Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and, if required, reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

| Frequency range over which device operates | Number of frequencies | Location in the range of operation          |
|--------------------------------------------|-----------------------|---------------------------------------------|
| 1 MHz or less                              | 1                     | Middle.                                     |
| 1 to 10 MHz                                | 2                     | 1 near top and 1 near bottom.               |
| More than 10 MHz                           | 3                     | 1 near top, 1 near middle and 1 near bottom |

So frequency range over 919.80MHz to 919.82MHz is 1MHz or less, only the Middle channel were recorded and reported.

| Test mode    | Lower channel | Middle channel | Upper channel |
|--------------|---------------|----------------|---------------|
| Transmitting | 919.80MHz     | 919.82MHz      | N/AMHz        |

## 5 Equipment Used during Test

### 5.1 Equipments List

| Conducted Emissions Test Site 2#                              |                            |                                  |              |            |                       |                      |
|---------------------------------------------------------------|----------------------------|----------------------------------|--------------|------------|-----------------------|----------------------|
| Item                                                          | Equipment                  | Manufacturer                     | Model No.    | Serial No. | Last Calibration Date | Calibration Due Date |
| 1.                                                            | EMI Test Receiver          | R&S                              | ESCI         | 100947     | Sep.15,2015           | Sep.14,2016          |
| 2.                                                            | LISN                       | R&S                              | ENV216       | 101215     | Sep.15,2015           | Sep.14,2016          |
| 3.                                                            | Cable                      | Top                              | TYPE16(3.5M) | -          | Sep.15,2015           | Sep.14,2016          |
| 3m Semi-anechoic Chamber for Radiation Emissions Test site 1# |                            |                                  |              |            |                       |                      |
| Item                                                          | Equipment                  | Manufacturer                     | Model No.    | Serial No. | Last Calibration Date | Calibration Due Date |
| 1                                                             | EMC Analyzer               | Agilent                          | E7405A       | MY45114943 | Sep.15,2015           | Sep.14,2016          |
| 2                                                             | Active Loop Antenna        | Beijing Dazhi                    | ZN30900A     | -          | Sep.15,2015           | Sep.14,2016          |
| 3                                                             | Trilog Broadband Antenna   | SCHWARZBECK                      | VULB9163     | 336        | Apr.19,2016           | Apr.18,2017          |
| 4                                                             | Coaxial Cable (below 1GHz) | Top                              | TYPE16(13M)  | -          | Sep.15,2015           | Sep.14,2016          |
| 5                                                             | Broad-band Horn Antenna    | SCHWARZBECK                      | BBHA 9120 D  | 667        | Apr.19,2016           | Apr.18,2017          |
| 6                                                             | Broad-band Horn Antenna    | SCHWARZBECK                      | BBHA 9170    | 335        | Apr.19,2016           | Apr.18,2017          |
| 7                                                             | Broadband Preamplifier     | COMPLIANCE DIRECTION             | PAP-1G18     | 2004       | Mar.17,2016           | Mar.16,2017          |
| 8                                                             | Coaxial Cable (above 1GHz) | Top                              | 1GHz-25GHz   | EW02014-7  | Apr.10,2016           | Apr.09,2017          |
| 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# |                            |                                  |              |            |                       |                      |
| Item                                                          | Equipment                  | Manufacturer                     | Model No.    | Serial No  | Last Calibration Date | Calibration Due Date |
| 1                                                             | Test Receiver              | R&S                              | ESCI         | 101296     | Sep.15,2015           | Sep.14,2016          |
| 2                                                             | Trilog Broadband Antenna   | SCHWARZBECK                      | VULB9160     | 9160-3325  | Sep.15,2015           | Sep.14,2016          |
| 3                                                             | Amplifier                  | Compliance pirection systems inc | PAP-0203     | 22024      | Sep.15,2015           | Sep.14,2016          |
| 4                                                             | Cable                      | HUBER+SUHNER                     | CBL2         | 525178     | Sep.15,2015           | Sep.14,2016          |
| RF Conducted Testing                                          |                            |                                  |              |            |                       |                      |
| Item                                                          | Equipment                  | Manufacturer                     | Model No.    | Serial No. | Last Calibration Date | Calibration Due Date |
| 1.                                                            | EMC Analyzer (9k~26.5GHz)  | Agilent                          | E7405A       | MY45114943 | Sep.15,2015           | Sep.14,2016          |
| 2.                                                            | Spectrum Analyzer          | R&S                              | FSL6         | 100959     | Sep.15,2015           | Sep.14,2016          |

|    |                                 |         |        |            |             |             |
|----|---------------------------------|---------|--------|------------|-------------|-------------|
|    | (9k-6GHz)                       |         |        |            |             |             |
| 3. | Signal Analyzer<br>(9k~26.5GHz) | Agilent | N9010A | MY50520207 | Sep.15,2015 | Sep.14,2016 |

## 5.2 Measurement Uncertainty

| Parameter                           | Uncertainty                                    |
|-------------------------------------|------------------------------------------------|
| Radio Frequency                     | $\pm 1 \times 10^{-6}$                         |
| RF Power                            | $\pm 1.0$ dB                                   |
| RF Power Density                    | $\pm 2.2$ dB                                   |
| Radiated Spurious<br>Emissions test | $\pm 5.03$ dB<br>(Bilog antenna 30M~1000MHz)   |
|                                     | $\pm 5.47$ dB<br>(Horn antenna 1000M~25000MHz) |

## 5.3 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

## 6 Test Summary

| Test Items                                                          | Test Requirement                 | Result |
|---------------------------------------------------------------------|----------------------------------|--------|
| Conducted Emissions                                                 | 15.207                           | C      |
| Radiated Emission                                                   | 15.249(a)<br>15.209<br>15.205(a) | C      |
| Periodic Operation                                                  | 15.35(c)                         | C      |
| Band Edge                                                           | 15.249<br>15.205<br>15.209       | C      |
| 20dB Bandwidth                                                      | 15.215(c)                        | C      |
| Antenna Requirement                                                 | 15.203                           | C      |
| Note: C=Conform; NC=Not Conform; NT=Not Tested; N/A=Not Applicable. |                                  |        |

## 7 Conducted Emission

|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC CFR 47 Part 15 Section 15.207                                                                                      |
| Test Method:      | ANSI C63.10:2013;ANSI C63.4:2014                                                                                       |
| Frequency Range:  | 150kHz to 30MHz                                                                                                        |
| Class/Severity:   | Class B                                                                                                                |
| Limit:            | 66-56 dB $\mu$ V between 0.15MHz & 0.5MHz<br>56 dB $\mu$ V between 0.5MHz & 5MHz<br>60 dB $\mu$ V between 5MHz & 30MHz |
| Detector:         | Peak for pre-scan (9kHz Resolution Bandwidth)                                                                          |
| Test Result:      | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> not applicable (Remark)                              |

### 7.1 E.U.T. Operation

Operating Environment :

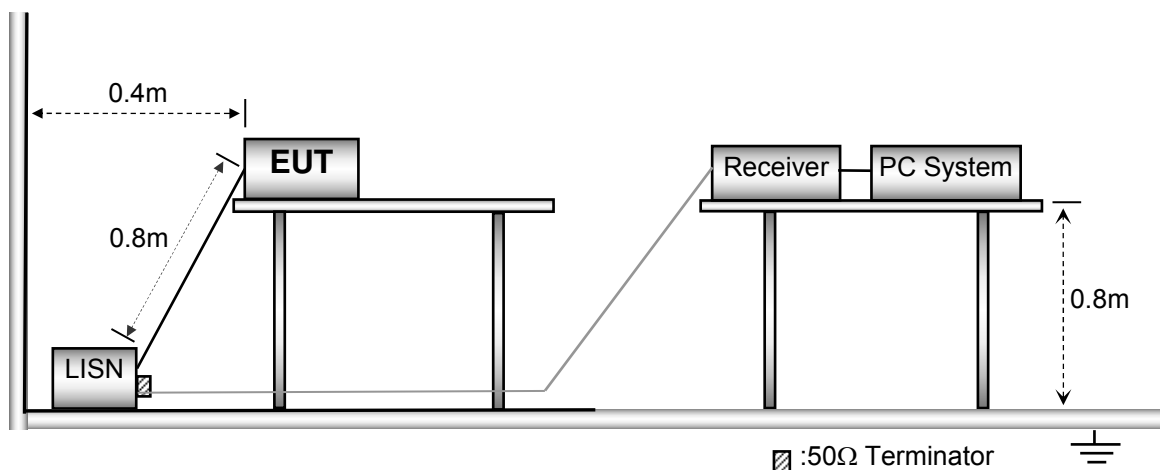
|                       |          |
|-----------------------|----------|
| Temperature:          | 25.5 °C  |
| Humidity:             | 51 % RH  |
| Atmospheric Pressure: | 101.2kPa |

EUT Operation :

The test was performed in transmitting mode, the test data were shown in the report.

### 7.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10:2013

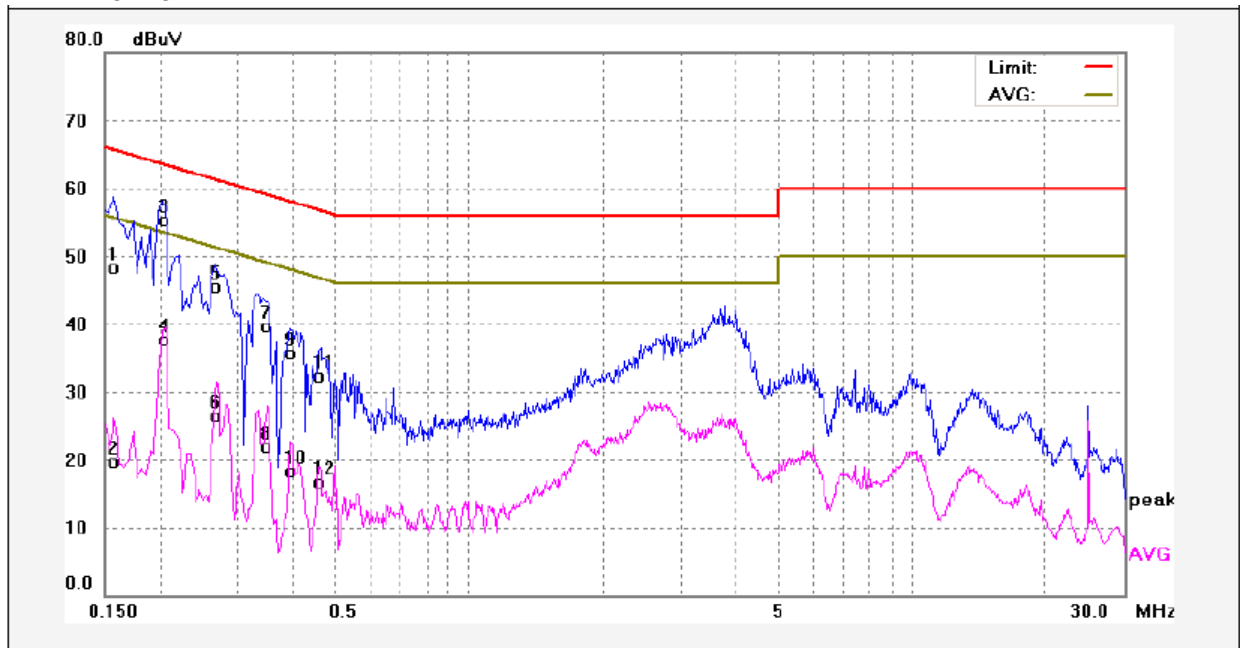


### 7.3 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

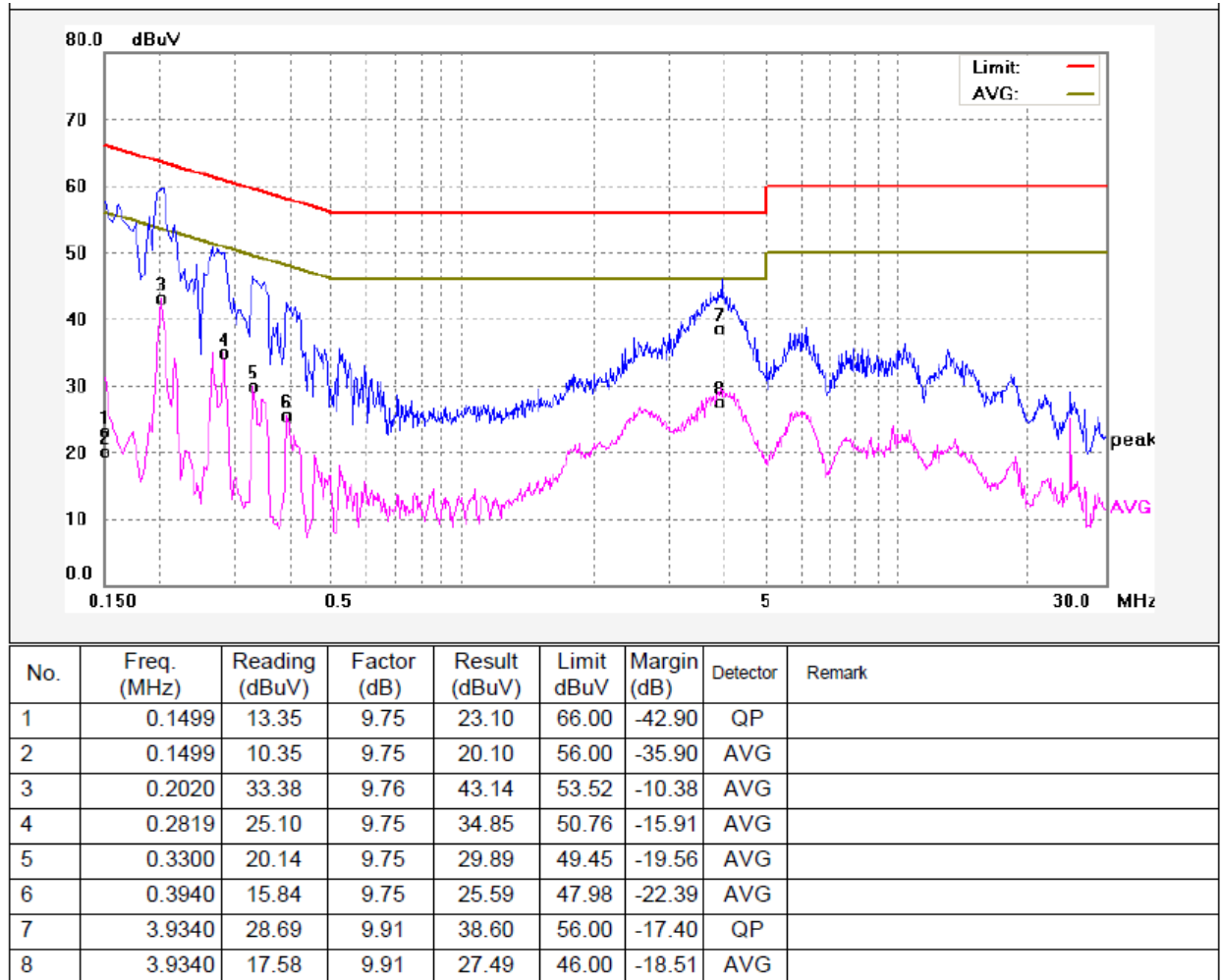
## 7.4 Test Result

Live line:



| No. | Freq.<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB) | Result<br>(dBuV) | Limit<br>dBuV | Margin<br>(dB) | Detector | Remark |
|-----|----------------|-------------------|----------------|------------------|---------------|----------------|----------|--------|
| 1   | 0.1580         | 38.53             | 9.75           | 48.28            | 65.56         | -17.28         | QP       |        |
| 2   | 0.1580         | 9.97              | 9.75           | 19.72            | 55.56         | -35.84         | AVG      |        |
| 3   | 0.2060         | 45.54             | 9.76           | 55.30            | 63.36         | -8.06          | QP       |        |
| 4   | 0.2060         | 27.98             | 9.76           | 37.74            | 53.36         | -15.62         | AVG      |        |
| 5   | 0.2700         | 35.86             | 9.74           | 45.60            | 61.12         | -15.52         | QP       |        |
| 6   | 0.2700         | 16.79             | 9.74           | 26.53            | 51.12         | -24.59         | AVG      |        |
| 7   | 0.3500         | 29.95             | 9.75           | 39.70            | 58.96         | -19.26         | QP       |        |
| 8   | 0.3500         | 12.22             | 9.75           | 21.97            | 48.96         | -26.99         | AVG      |        |
| 9   | 0.3940         | 26.04             | 9.75           | 35.79            | 57.98         | -22.19         | QP       |        |
| 10  | 0.3940         | 8.58              | 9.75           | 18.33            | 47.98         | -29.65         | AVG      |        |
| 11  | 0.4620         | 22.46             | 9.76           | 32.22            | 56.66         | -24.44         | QP       |        |
| 12  | 0.4620         | 6.92              | 9.76           | 16.68            | 46.66         | -29.98         | AVG      |        |

Neutral line:



## 8 Radiation Emission Test

Test Requirement: FCC Part15 Paragraph 15.249&15.209&15.205

Test Method: ANSI 63.10: 2013; ANSI 63.4: 2014

Measurement Distance: 3m

Test Result: ☒ Pass ☐ Fail

15.249(a)Limit:

| Fundamental frequency | Field strength of fundamental |        | Field strength of harmonics |        |
|-----------------------|-------------------------------|--------|-----------------------------|--------|
|                       | mV/m                          | dBuV/m | uV/m                        | dBuV/m |
| 902-928 MHz           | 50                            | 94     | 500                         | 54     |
| 2400-2483.5 MHz       | 50                            | 94     | 500                         | 54     |
| 5725-5875 MHz         | 50                            | 94     | 500                         | 54     |
| 24.0-24.25 GHz        | 250                           | 108    | 2500                        | 68     |

15.209 Limit:

| Frequency<br>(MHz) | Field Strength |                 | Field Strength Limit at 3m Measurement Dist |                                |
|--------------------|----------------|-----------------|---------------------------------------------|--------------------------------|
|                    | uV/m           | Distance<br>(m) | uV/m                                        | dBuV/m                         |
| 0.009 ~ 0.490      | 2400/F(kHz)    | 300             | 10000 * 2400/F(kHz)                         | $20\log^{(2400/F(kHz))} + 80$  |
| 0.490 ~ 1.705      | 24000/F(kHz)   | 30              | 100 * 24000/F(kHz)                          | $20\log^{(24000/F(kHz))} + 40$ |
| 1.705 ~ 30         | 30             | 30              | 100 * 30                                    | $20\log^{(30)} + 40$           |
| 30 ~ 88            | 100            | 3               | 100                                         | $20\log^{(100)}$               |
| 88 ~ 216           | 150            | 3               | 150                                         | $20\log^{(150)}$               |
| 216 ~ 960          | 200            | 3               | 200                                         | $20\log^{(200)}$               |
| Above 960          | 500            | 3               | 500                                         | $20\log^{(500)}$               |

**Note:** RF Voltage(dBuV)=20 log<sub>10</sub> RF Voltage(uV)

### 8.1 EUT Operation

Operating Environment :

Temperature: 23.5 °C

Humidity: 51.1 % RH

Atmospheric Pressure: 101.2kPa

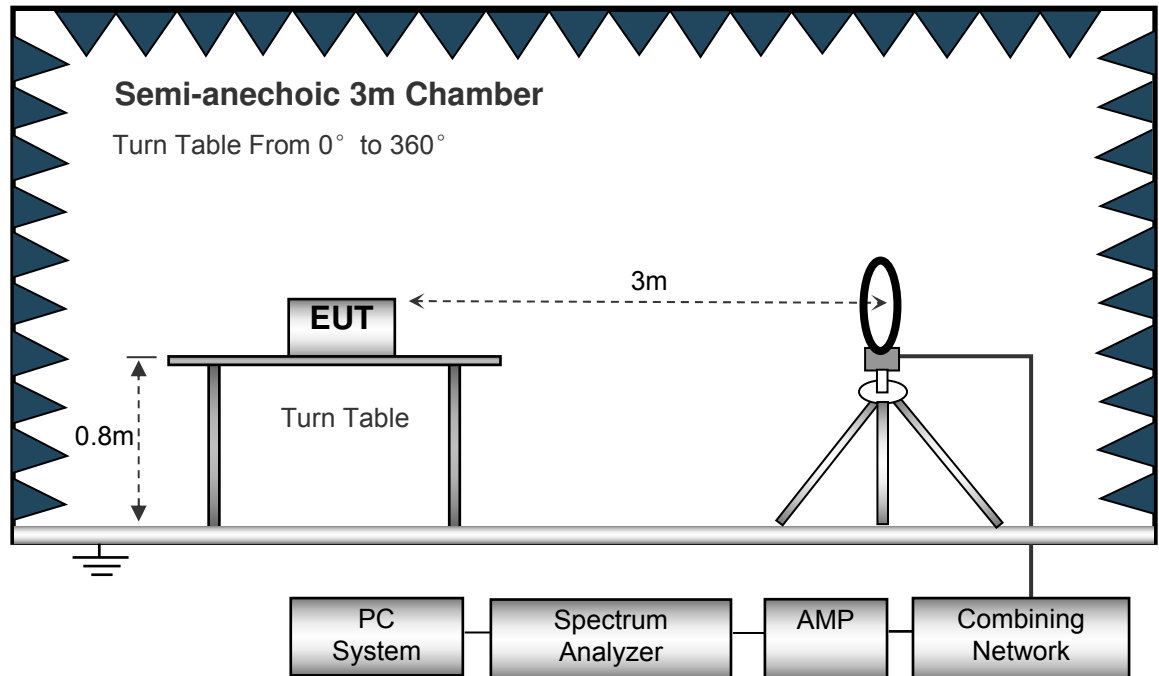
EUT Operation :

The test was performed in transmitting mode, the test data were shown in the report.

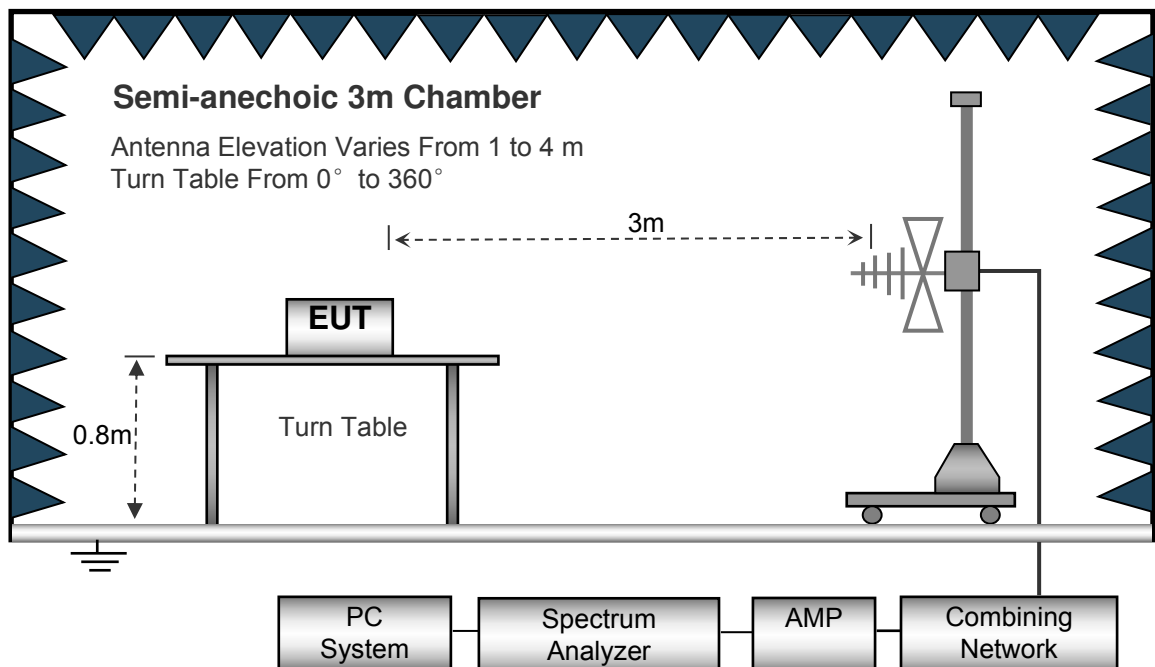
## 8.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10: 2013.

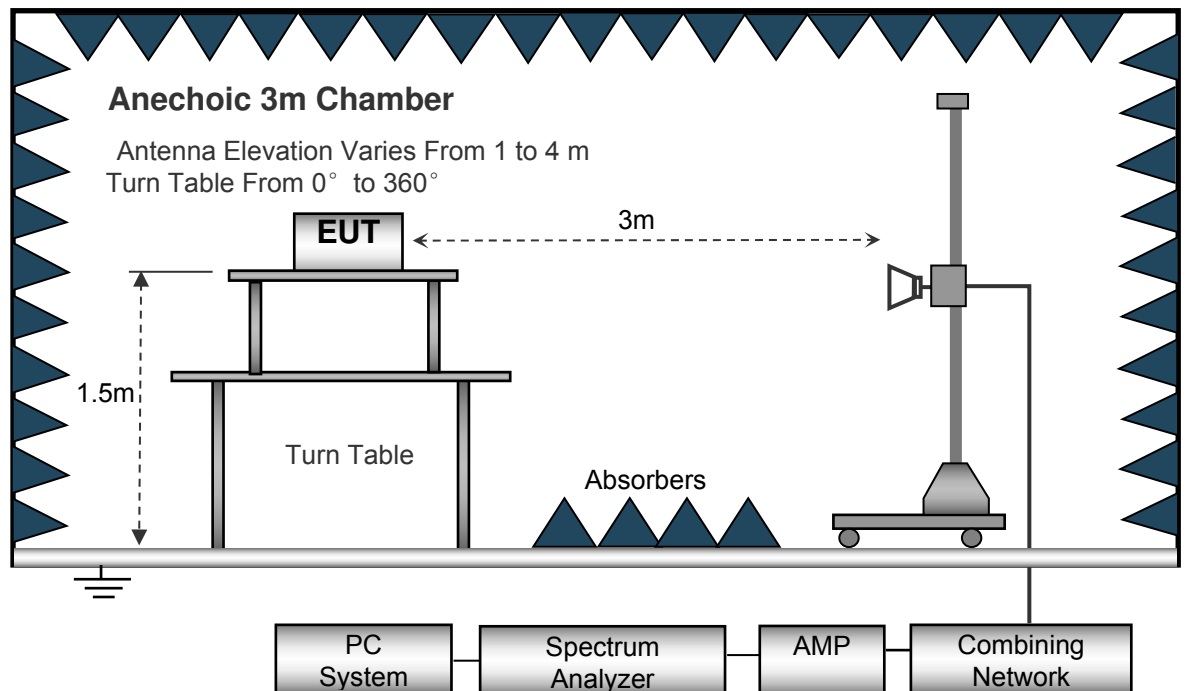
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1 GHz.



### 8.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed..... Auto  
 IF Bandwidth..... 10kHz  
 Video Bandwidth..... 10kHz  
 Resolution Bandwidth..... 10kHz

30MHz ~ 1GHz

Sweep Speed..... Auto  
 Detector..... PK  
 Resolution Bandwidth..... 100kHz  
 Video Bandwidth..... 300kHz

Above 1GHz

Sweep Speed..... Auto  
 Detector .....PK  
 Resolution Bandwidth..... 1MHz  
 Video Bandwidth..... 3MHz  
 Detector .....Ave.  
 Resolution Bandwidth..... 1MHz  
 Video Bandwidth..... 10Hz

Video Bandwidth..... 10Hz

## 8.4 Test Procedure

1. The EUT is placed on a turntable. For below 1GHz, the EUT is 0.8m above ground plane; For above 1GHz, the EUT is 1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

## 8.5 Test Result

Test Frequency: 30MHz ~ 10GHz

| Frequency | Receiver Reading | Detector | Turn table Angle | RX Antenna |       | Corrected Factor | Corrected Amplitude | FCC Part 15.249/209/205 |        |
|-----------|------------------|----------|------------------|------------|-------|------------------|---------------------|-------------------------|--------|
|           |                  |          |                  | Height     | Polar |                  |                     | Limit                   | Margin |
| (MHz)     | (dBμV)           | (PK/QP)  | Degree           | (m)        | (H/V) | (dB/m)           | (dBμV/m)            | (dBμV/m)                | (dB)   |
| 302.10    | 39.32            | QP       | 328              | 1.4        | V     | -11.40           | 27.92               | 46.00                   | -18.08 |
| 908.42    | 73.06            | PK       | 324              | 1.1        | H     | 0.97             | 74.03               | 114.00                  | -39.97 |
| 908.42    | 76.37            | PK       | 292              | 1.8        | V     | 0.97             | 77.34               | 114.00                  | -36.66 |
| 1816.84   | 68.37            | PK       | 109              | 1.5        | H     | -13.21           | 55.16               | 74.00                   | -18.84 |
| 1816.84   | 61.34            | PK       | 196              | 1.3        | V     | -13.21           | 48.13               | 74.00                   | -25.87 |
| 2725.26   | 61.52            | PK       | 293              | 1.9        | H     | -13.08           | 48.44               | 74.00                   | -25.56 |
| 2725.26   | 59.34            | PK       | 241              | 1.2        | V     | -13.08           | 46.26               | 74.00                   | -27.74 |
| 3633.68   | 61.03            | PK       | 239              | 1.3        | H     | -9.08            | 51.95               | 74.00                   | -22.05 |
| 3633.68   | 57.05            | PK       | 294              | 1.7        | V     | -9.08            | 47.97               | 74.00                   | -26.03 |

AV = Peak +20Log10(duty cycle) =PK+(-9.89) [refer to section 8 for more detail]

| Frequency | PK       | RX<br>Antenna<br>Polar | Duty cycle<br>Factor | AV       | FCC Part 15.249/209/205 |        |
|-----------|----------|------------------------|----------------------|----------|-------------------------|--------|
|           |          |                        |                      |          | Limit                   | Margin |
| (MHz)     | (dBμV/m) | (H/V)                  | (dB)                 | (dBμV/m) | (dBμV/m)                | (dB)   |
| 908.42    | 74.03    | H                      | -9.89                | 64.14    | 94.00                   | -29.86 |
| 908.42    | 77.34    | V                      | -9.89                | 67.45    | 94.00                   | -26.55 |
| 1816.84   | 55.16    | H                      | -9.89                | 45.27    | 54.00                   | -8.73  |
| 1816.84   | 48.13    | V                      | -9.89                | 38.24    | 54.00                   | -15.76 |
| 2725.26   | 48.44    | H                      | -9.89                | 38.55    | 54.00                   | -15.45 |
| 2725.26   | 46.26    | V                      | -9.89                | 36.37    | 54.00                   | -17.63 |
| 3633.68   | 51.95    | H                      | -9.89                | 42.06    | 54.00                   | -11.94 |
| 3633.68   | 47.97    | V                      | -9.89                | 38.08    | 54.00                   | -15.92 |

## 9 Periodic Operation

The duty cycle was determined by the following equation:

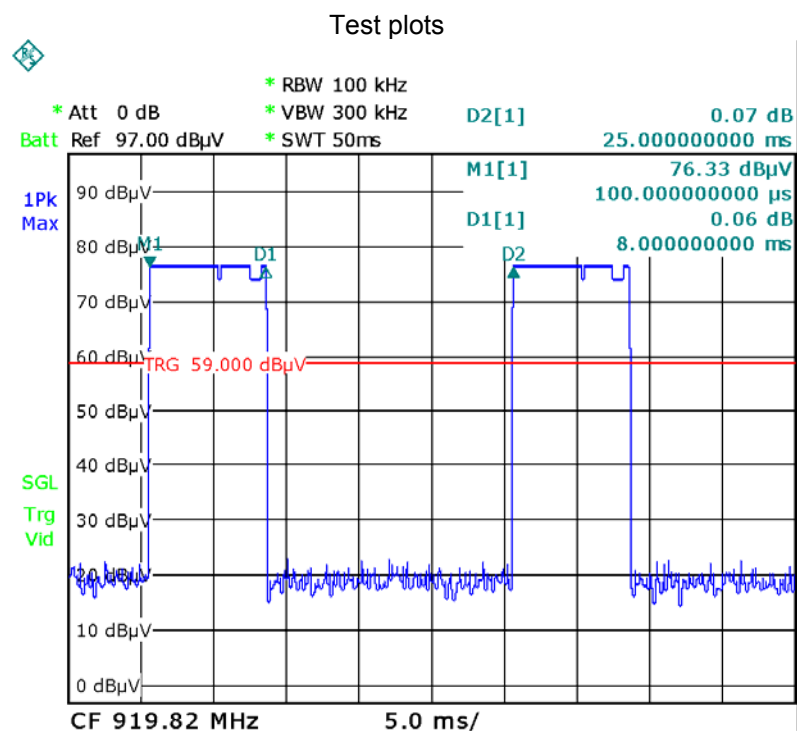
To calculate the actual field intensity, the duty cycle correction factor in decibel is needed for later use and can be obtained from following conversion

Duty Cycle(%)=Total On interval in a complete pulse train/ Length of a complete pulse train \* %

Duty Cycle Correction Factor(dB)=20 \* Log<sub>10</sub>(Duty Cycle)

|                                              |       |
|----------------------------------------------|-------|
| Total transmission time(ms)                  | 8     |
| Length of a complete transmission period(ms) | 25    |
| Duty Cycle(%)                                | 32    |
| Duty Cycle Correction Factor(dB)             | -9.89 |

Refer to the duty cycle plot (as below)



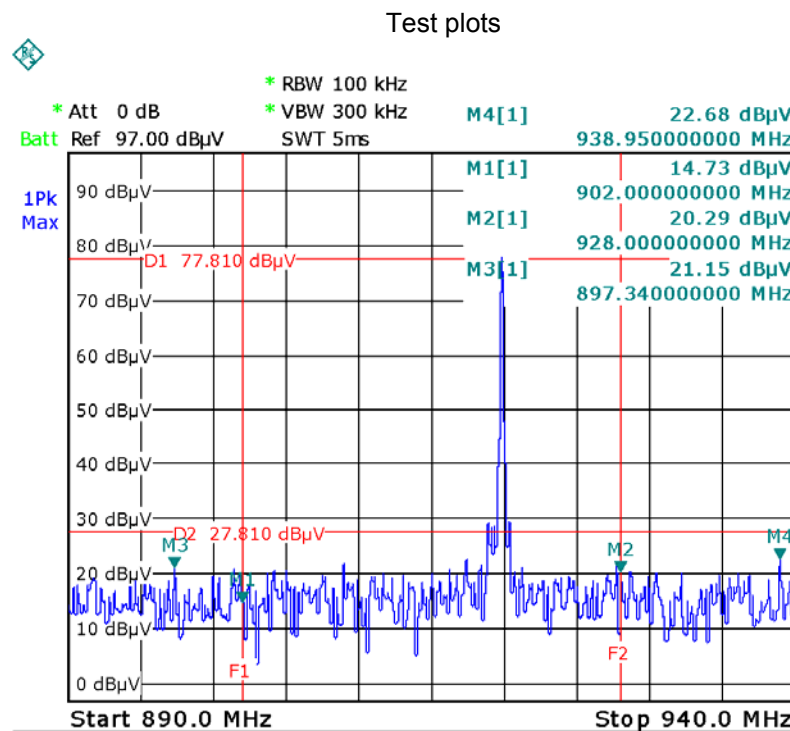
## 10 Band Edge

|                   |                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 15.249(d):Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation. |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                  |
| Test Mode:        | Transmitting                                                                                                                                                                                                                                                      |

### 10.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz, Sweep = auto  
Detector function = peak, Trace = max hold

### 10.2 Test Result



## 11 20 dB Bandwidth Measurement

Test Requirement:

FCC CFR47 Part 15 Section 15.215(c)

Test Method:

ANSI C63.10:2013

Test Mode:

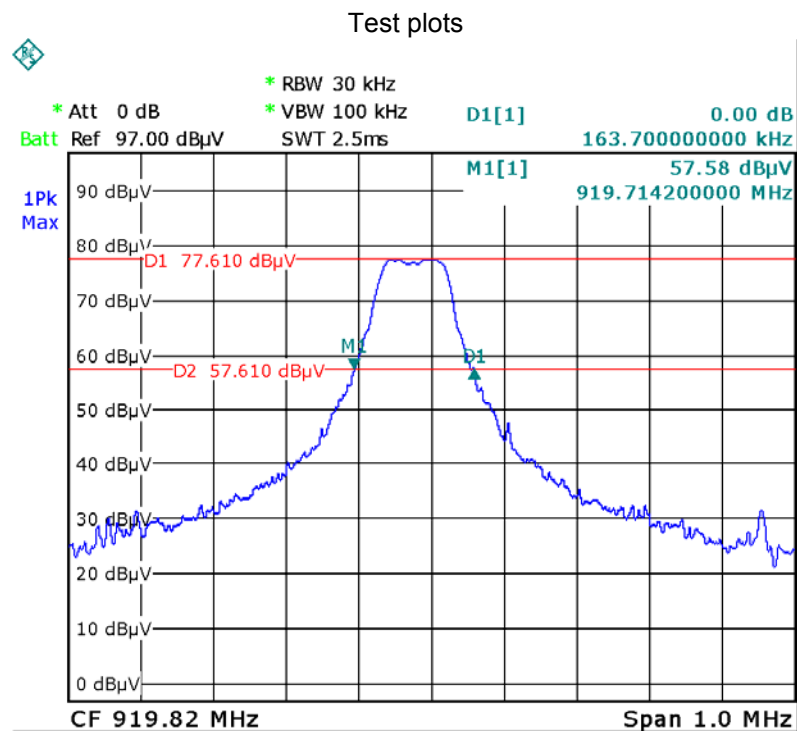
Transmitting

### 11.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 30kHz, VBW = 100kHz

### 11.2 Test Result

| Frequency<br>(MHz) | Bandwidth Emission<br>(kHz) |
|--------------------|-----------------------------|
| 919.82             | 163.70                      |



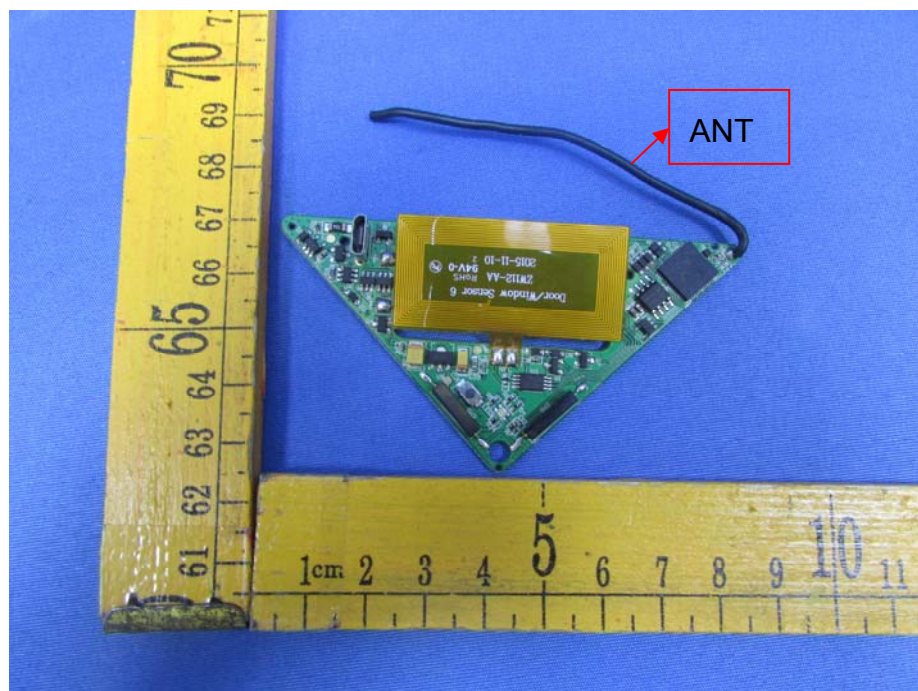
## 12 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Result:

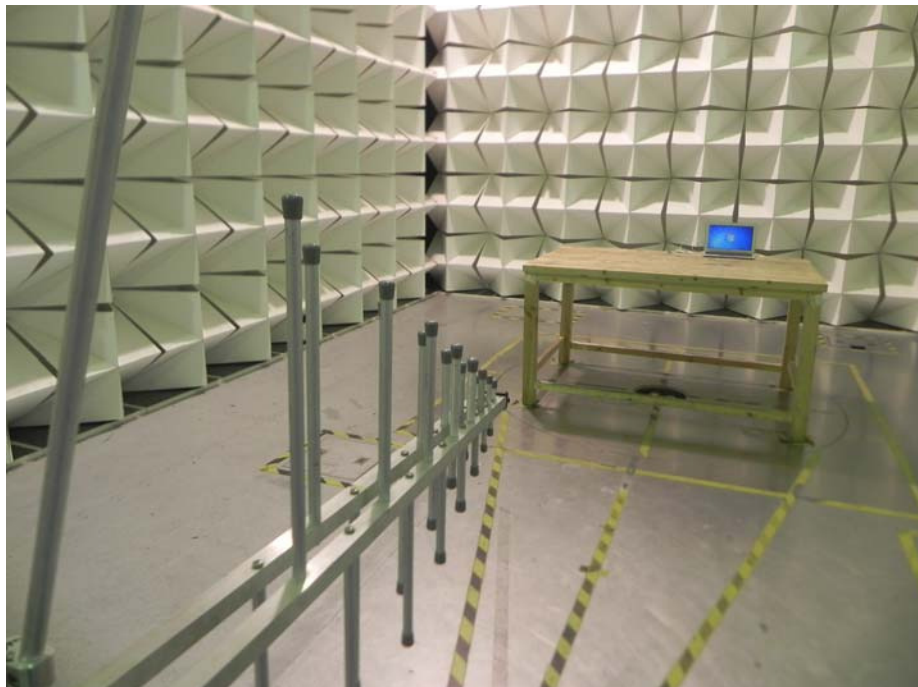
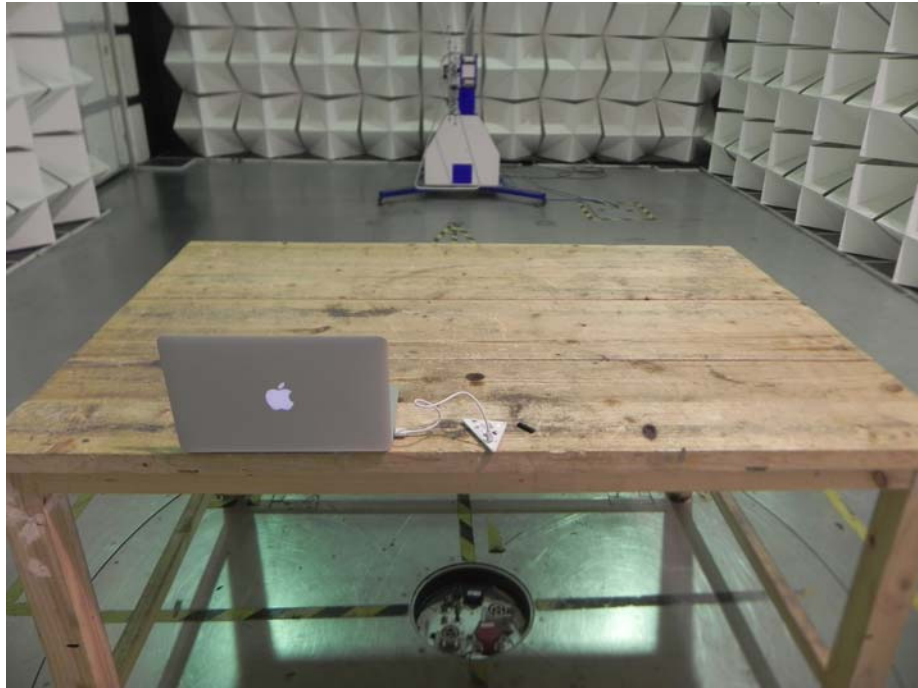
The EUT has one Integrated Antenna, the gain is -3dBi. meets the requirements of FCC 15.203.



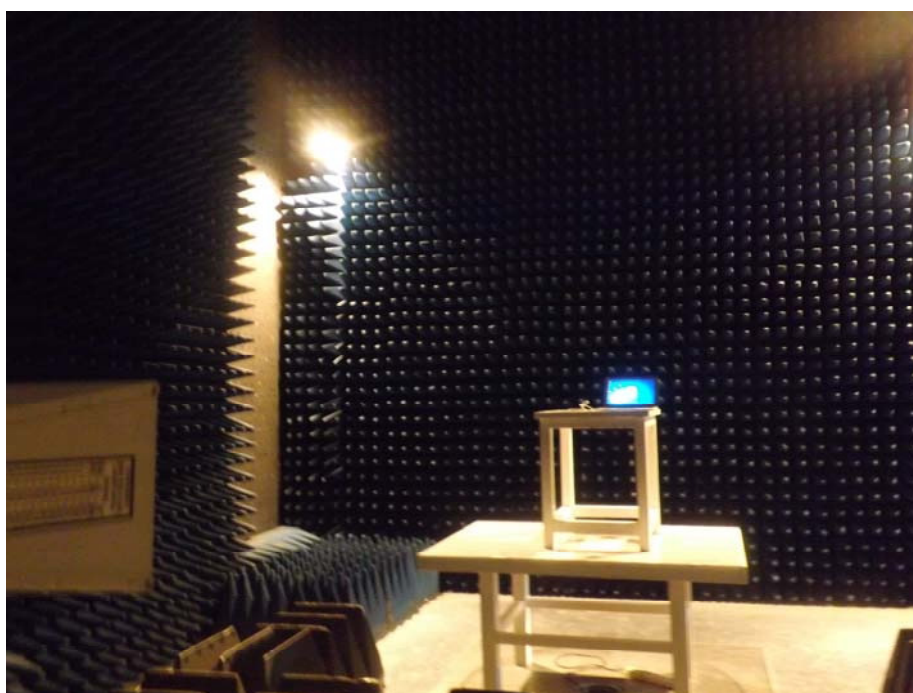
## 13 Photographs- Model FT112-D Test Setup Photos

### 13.1 Photograph – Radiation Emission

Test frequency from 30MHz to 1GHz at test site 2#



Test frequency above 1GHz at test site 1#



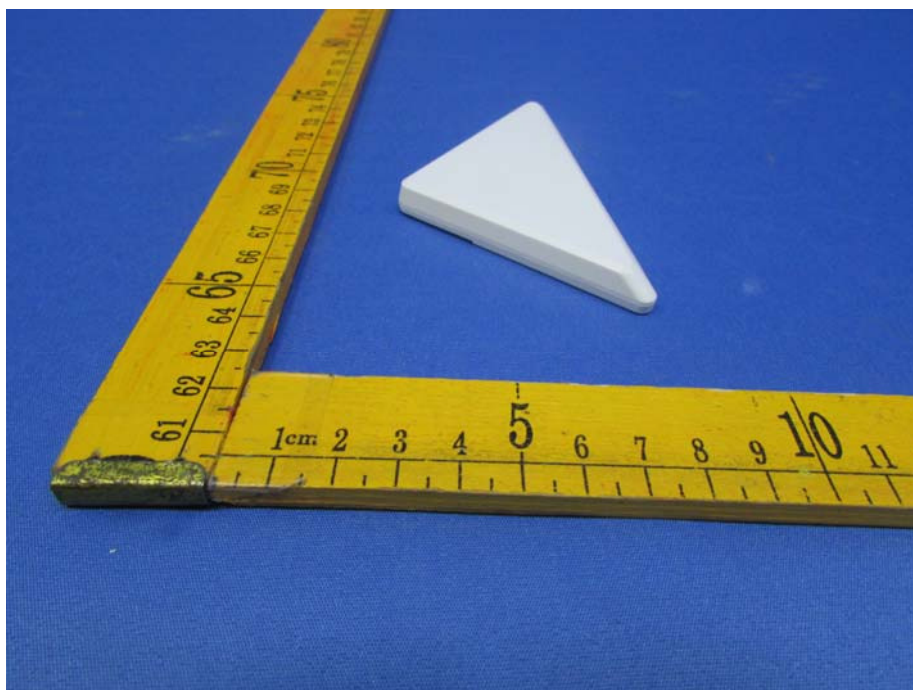
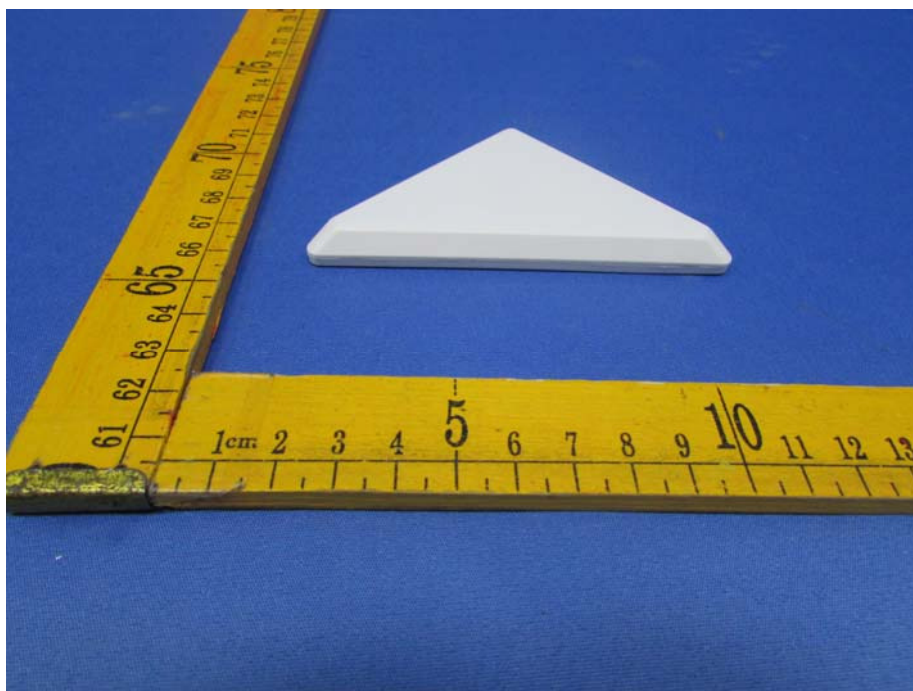
### 13.2 Photograph – Conducted Emission Test Setup at Test Site 2#

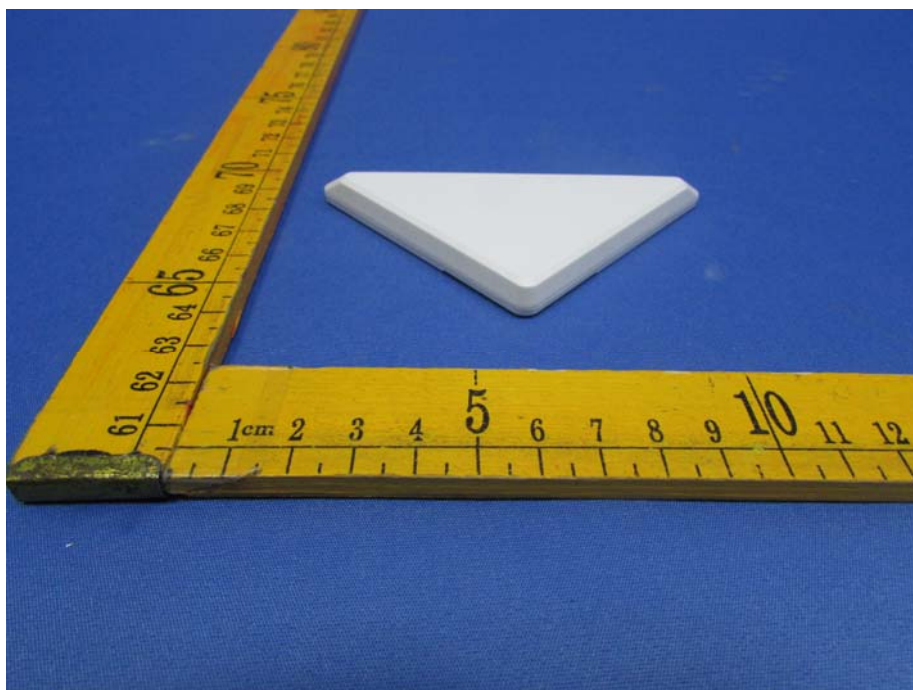
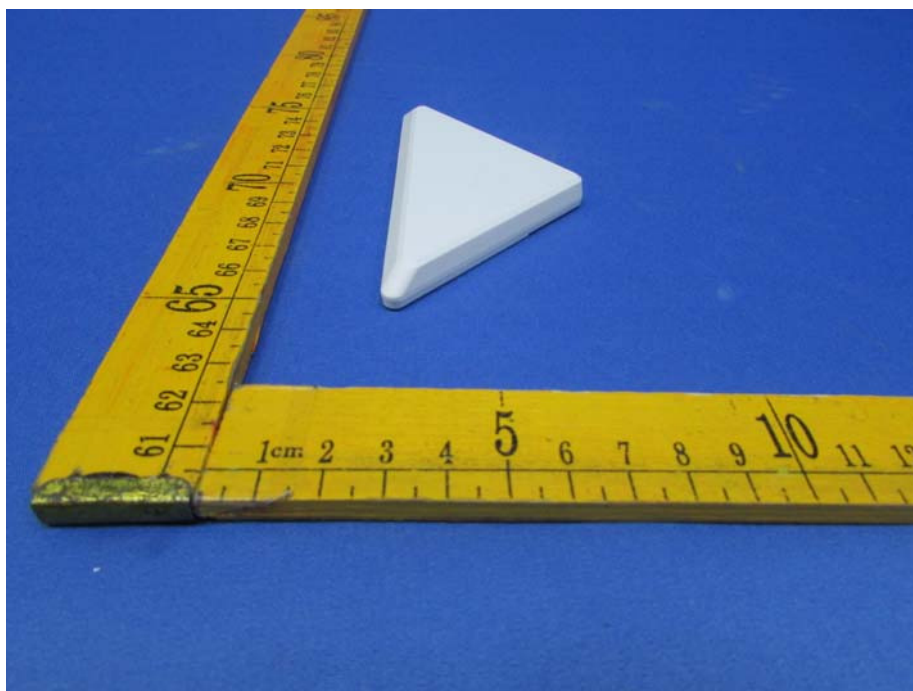


## 14 Photographs - Constructional Details

### 14.1 Model FT112-D- External Photos

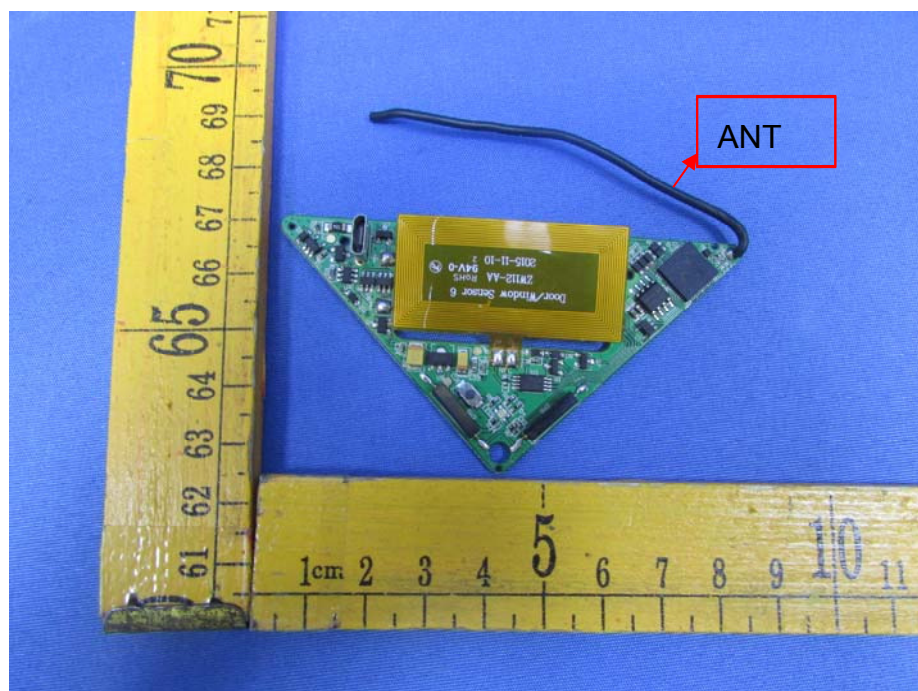


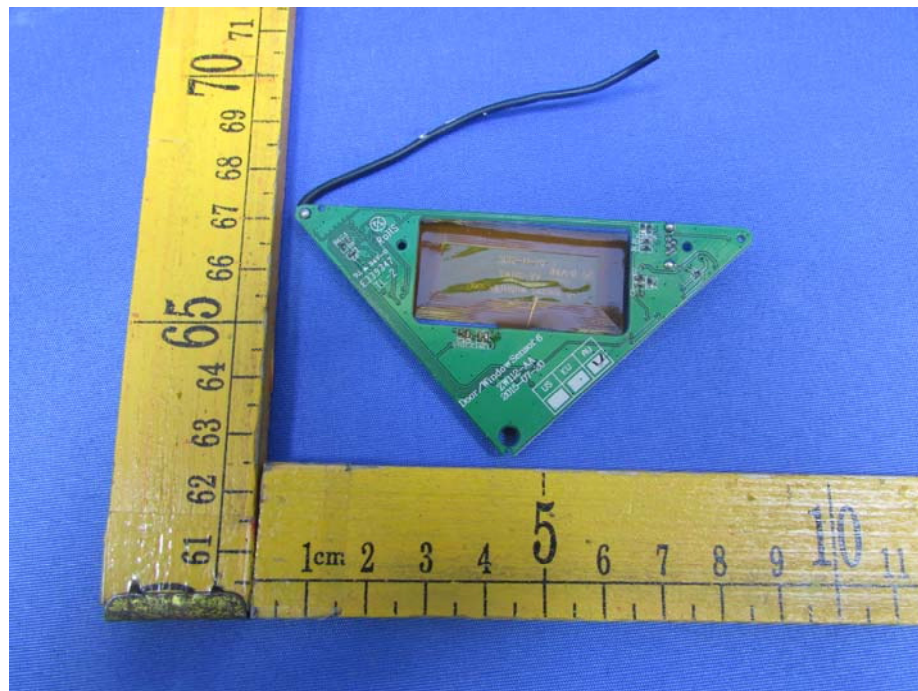






## 14.2 Model FT112-D - Internal Photos





=====End of Report=====