

FCC TEST REPORT  
for  
DIGICare Technology Limited.

Smart Bracelet  
Model No.: MARIO

Prepared for

: DIGICare Technology Limited.

Address

: 3rdF, Wenzhengxin Building, No.2, Kefa Road, High-Tech Park, Nanshan District, Shenzhen, China

Prepared By

: Shenzhen Anbotek Compliance Laboratory Limited

Address

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Report Number

: R0115061054I

Date of Test

: Jun. 29~ Jul. 24, 2015

Date of Report

: Jul. 27, 2015

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## TEST REPORT

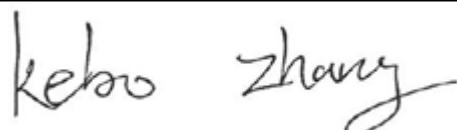
Applicant : DIGICare Technology Limited.  
Manufacturer : DIGICare Technology Limited.  
EUT : Smart Bracelet  
Model No. : MARIO  
Serial No. : N.A.  
Trade Mark : N.A.  
Rating : DC 3V, 3-18mA

Measurement Procedure Used:  
FCC Part15 Subpart C 2014, Paragraph 15.247

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

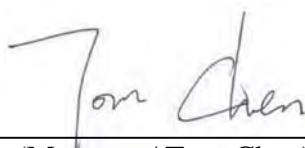
Date of Test : Jun. 29~Jul. 24, 2015



Prepared by : (Tested Engineer / Kebo Zhang)



Reviewer : (Project Manager / Amy Ding)



Approved & Authorized Signer : (Manager / Tom Chen)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT : Smart Bracelet

Model Number : MARIO

Test Power Supply : DC 3V

Frequency : 2402~2480MHz

Modulation : GFSK

Channel Spacing : 2MHz

Number of Channels : 40

Antenna Type : Integrated

Antenna Gain : 3 dBi

Applicant : DIGICare Technology Limited.  
Address : 3rdF, Wenzhengxin Building, No.2, Kefa Road, High-Tech Park, Nanshan District, Shenzhen, China

Manufacturer : DIGICare Technology Limited.  
Address : 3rdF, Wenzhengxin Building, No.2, Kefa Road, High-Tech Park, Nanshan District, Shenzhen, China

Factory Address : DIGICare Technology Limited.  
Address : 3rdF, Wenzhengxin Building, No.2, Kefa Road, High-Tech Park, Nanshan District, Shenzhen, China

Date of receipt : Jun. 29, 2015

Date of Test : Jun. 29~Jul. 24, 2015

## 1.2. Auxiliary Equipment Used during Test

N/A

## 1.3. Description of Test Facility

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

### **CNAS - LAB Code: L3503**

Shenzhen Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

### **FCC-Registration No.: 752021**

Shenzhen Anbotek Compliance Laboratory Limited, 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 752021, July 10, 2013.

### **IC-Registration No.: 8058A-1**

Shenzhen Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A, February 22, 2013.

### **Test Location**

All Emissions tests were performed at

Shenzhen Anbotek Compliance Laboratory Limited. at 1/F., Building 1, SEC Industrial Park, No.0409 Qianhai Road, Nanshan District, Shenzhen, Guangdong, China

## 1.4. Measurement Uncertainty

Radiation Uncertainty :  $Ur = 4.1 \text{ dB (Horizontal)}$   
 $Ur = 4.3 \text{ dB (Vertical)}$

Conduction Uncertainty :  $Uc = 3.4 \text{ dB}$

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10: 2013 and FCC Part 15, Paragraph 15.247.

### 2.1. Summary of Test Results

The EUT has been tested according to the following specifications:

| Standard                                 | Test Type                                | Result | Notes    |
|--|--|--------|----------|
| FCC Part 15, Paragraph 15.107, 15.207    | Conducted Emission Test                  | -      | N/A      |
| FCC Part 15, Paragraph 15.247(b)(1)      | Peak Output Power                        | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(a)(2)      | 6dB Bandwidth                            | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(c)         | 100kHz Bandwidth of Frequency Band Edges | PASS   | Complies |
| FCC Part 15, Paragraph 15.209(a)(f)      | Spurious Emission                        | PASS   | Complies |
| FCC Part 15, Paragraph 15.247(a)(1)      | Frequency Separation                     | -      | N/A      |
| FCC Part 15, Paragraph 15.247(a)(1)(iii) | Number of Hopping Frequency              | -      | N/A      |
| FCC Part 15, Paragraph 15.247(a)(1)(iii) | Time of Occupancy                        | -      | N/A      |
| FCC Part 15, Paragraph 15.247(c)         | Peak Power Density                       | PASS   | Complies |

### 2.2. Description of Test Modes

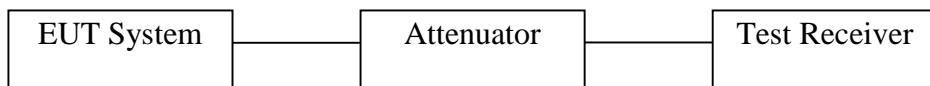
The EUT has been tested under operating condition.

Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Channel Low(2402MHz), Channel Middle(2440MHz) and Channel High(2480MHz) are chosen for the final testing.

### 3. FCC Part 15.247 Requirements for DS-SS & OFDM Modulation

#### 3.1 Test Setup



#### 3.2 6dB Bandwidth

##### a. Limit

For the direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz.

##### b. Test Procedure

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as:  
 $RBW = 100\text{kHz}$ ,  $VBW \geq 3 * RBW = 300\text{kHz}$ ,  
 Detector = Peak  
 Trace mode = Max hold.  
 Sweep = auto couple.
4. Mark the peak frequency and  $-6\text{dB}$  (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

##### c. Test Setup See 3.1

##### d. Test Equipment

| Item | Equipment                  | Manufacturer            | Model No. | Serial No.   | Last Cal.     | Cal. Interval |
|------|----------------------------|-------------------------|-----------|--------------|---------------|---------------|
| 1.   | Spectrum Analysis          | Agilent                 | E4407B    | US39390582   | Apr. 17, 2015 | 1 Year        |
| 2.   | Preamplifier               | Instruments corporation | EMC011830 | 980100       | Apr. 17, 2015 | 1 Year        |
| 3.   | EMI Test Receiver          | Rohde & Schwarz         | ESPI      | 101604       | Apr. 17, 2015 | 1 Year        |
| 4.   | Double Ridged Horn Antenna | Instruments corporation | GTH-0118  | 351600       | Apr. 20, 2015 | 1 Year        |
| 5.   | Bilog Broadband Antenna    | Schwarzbeck             | VULB9163  | VULB9163-289 | Apr. 20, 2015 | 1 Year        |
| 6.   | Pre-amplifier              | SONOMA                  | 310N      | 186860       | Apr. 17, 2015 | 1 Year        |
| 7.   | EMI Test Software EZ-EMC   | SHURPLE                 | N/A       | N/A          | N/A           | N/A           |

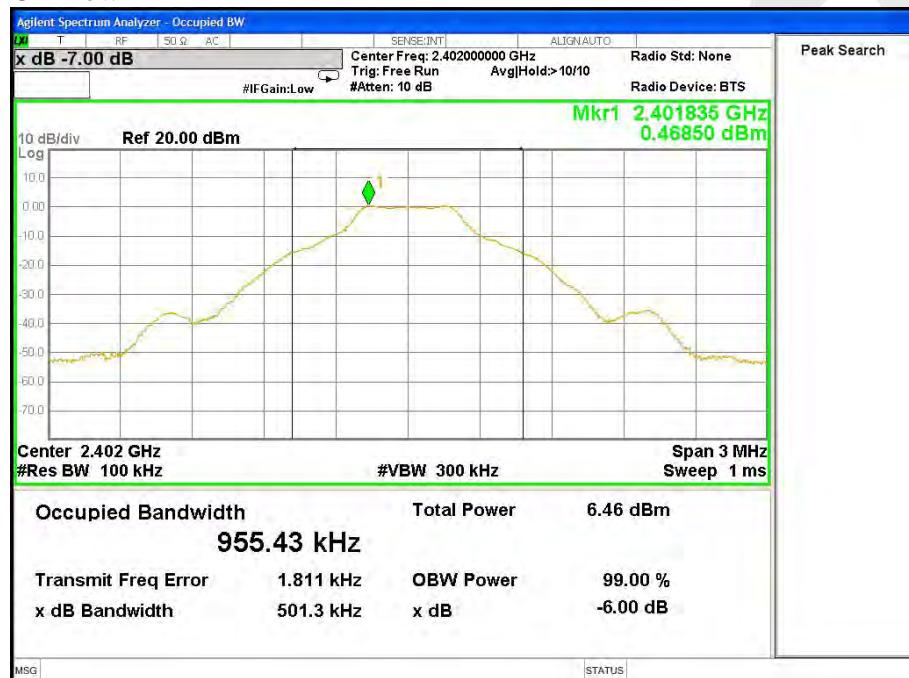
##### e. Test Results

Pass.

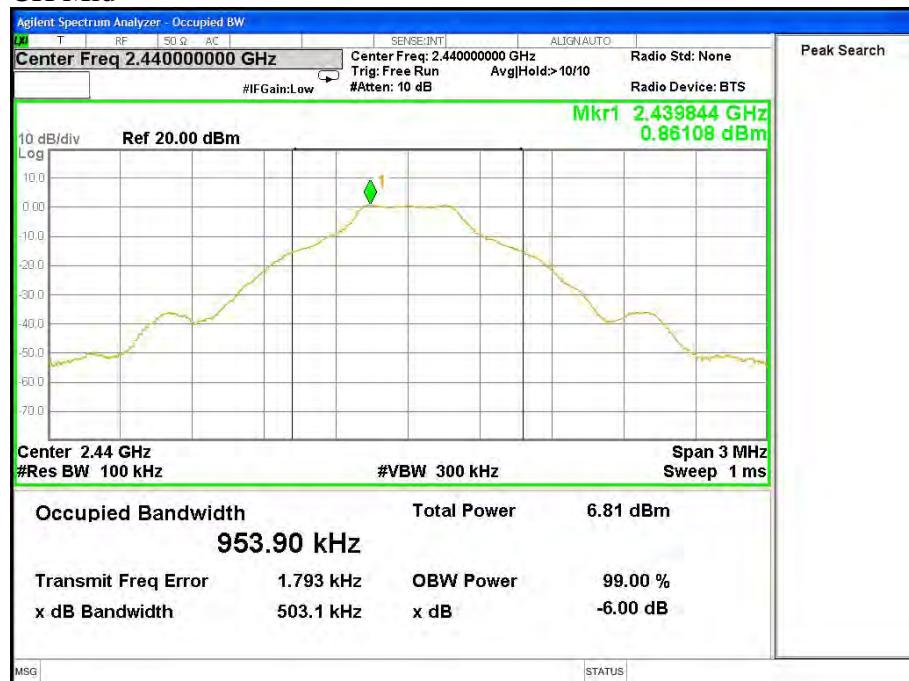
**f. Test Data**

| Channel | Frequency<br>(MHz) | Bandwidth<br>(kHz) | Limit<br>(kHz) | Results |
|---------|--------------------|--------------------|----------------|---------|
| Low     | 2402               | 501.3              |                | Pass    |
| Mid     | 2440               | 503.1              | >500           | Pass    |
| High    | 2480               | 501.2              |                | Pass    |

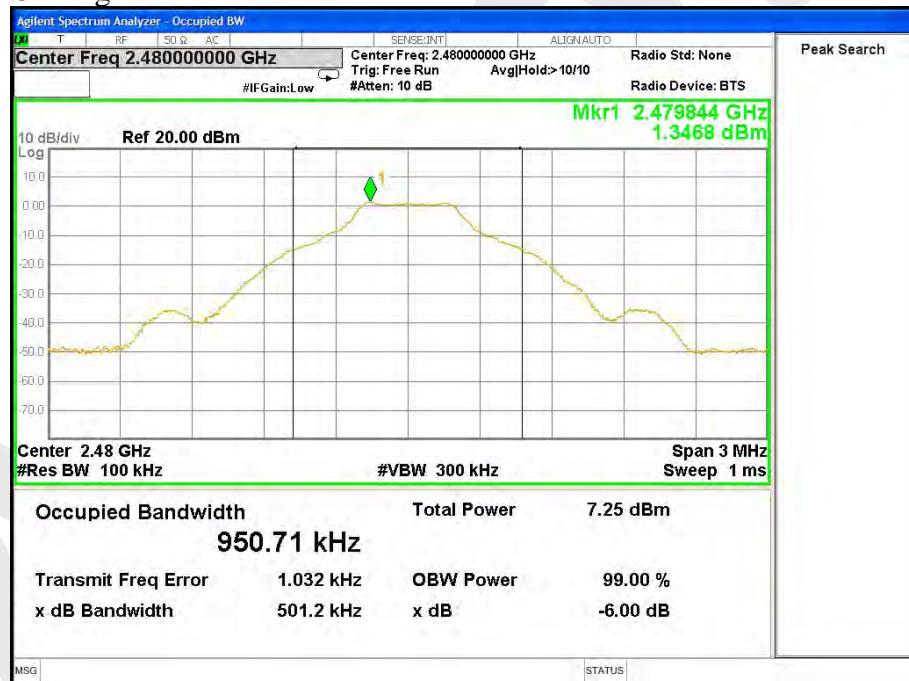
Test Plots See the following page.

**CH Low**


CH Mid



CH High



### 3.3. Maximum Peak output power test

#### a. Limit

The maximum peak output power of the intentional radiator shall not exceed the following:

1. For systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 watt (30dBm).
2. Except as shown in paragraphs (b)(3) (i), (ii) and (iii) of this section, if transmitting antenna of directional gain greater than 6 dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1) or (b)(2) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### b. Configuration of Measurement



#### c. Test Procedure

This test was according the kDB 558074 9.1.2:

1. This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.
2. Set the RBW  $\geq$  DTS bandwidth.
3. Set the VBW  $\geq 3 \times$  RBW.
4. Set the span  $\geq 3 \times$  RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use peak marker function to determine the peak amplitude level.

#### d. Test Equipment

Same as the equipment listed in 3.2.

#### e. Test Results

Pass.

**g. Test Data**

| Channel | Frequency<br>(MHz) | Maximum transmit power | Limit |         | Result |
|---------|--------------------|------------------------|-------|---------|--------|
|         |                    | (dBm)                  | (dBm) | (watts) |        |
| Low     | 2402               | 0.724                  | 30    | 1       | Pass   |
| Mid     | 2440               | 0.945                  |       |         | Pass   |
| High    | 2480               | 1.512                  |       |         | Pass   |

CH Low



CH Mid



CH High



### 3.4. Band Edges Measurement

#### a. Limit

According to §15.247(c), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

#### b. Test Procedure

##### 1. Conducted Method:

- 1) Set RBW=100KHz, VBW=300KHz
- 2) Detector=peak
- 3) Sweep time= auto
- 4) Trace mode=max hold.

##### 2. Radiated Method:

- 1) For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane. The EUT is tested in 9\*6\*6 Chamber.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane. The EUT is tested in 9\*6\*6 Chamber.

- 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 varied from 1m to 4m to find out the highest emission.

- 4) Set both RBW and VBW of spectrum analyzer to 100kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT. If pass then set Spectrum Analyzer as below:

For below 1GHz:

The resolution bandwidth and video bandwidth of test receiver/ spectrum analyzer is 120kHz.

Detector: **Quasi-Peak**

For above 1GHz Peak measurement:

The resolution bandwidth of test receiver/ spectrum analyzer is 1MHz and video bandwidth is 3MHz.

Detector: **Peak**

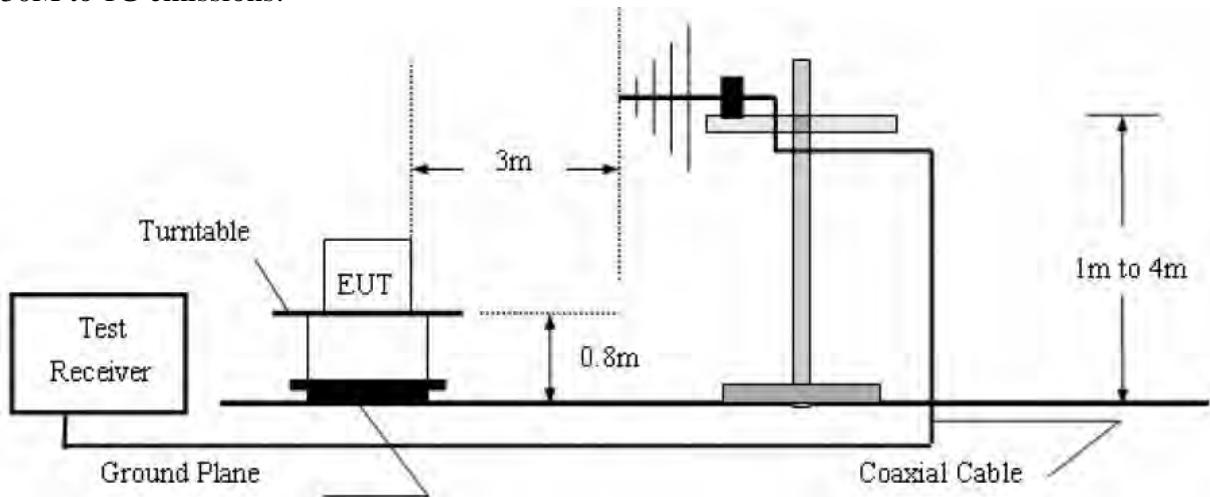
For above 1GHz average measurement:

The resolution bandwidth of test receiver/ spectrum analyzer is 1MHz and the video bandwidth is 1kHz.

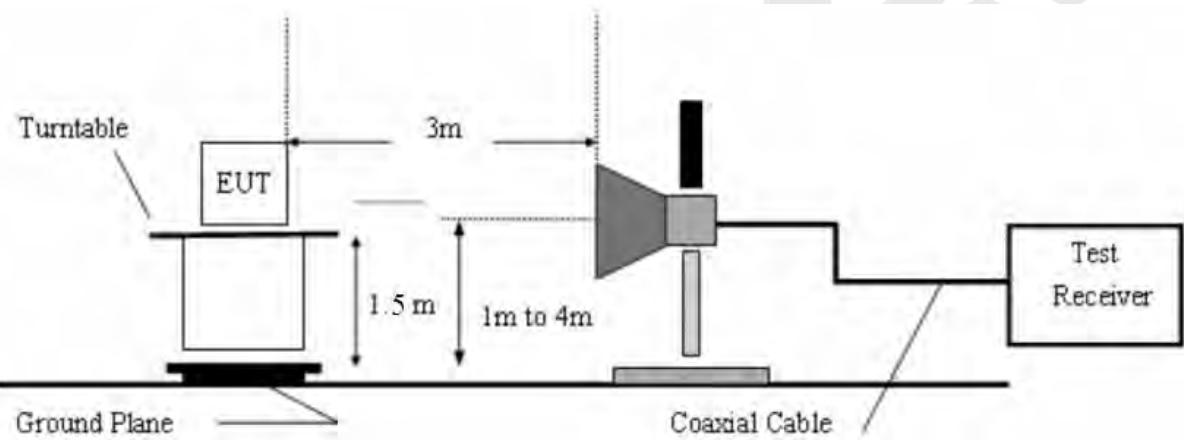
Detector: **Peak**

- 5) Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

30M to 1G emissions:



1G to 40G emissions:



**c. Test Equipment**

Same as the equipment listed in 4.2.

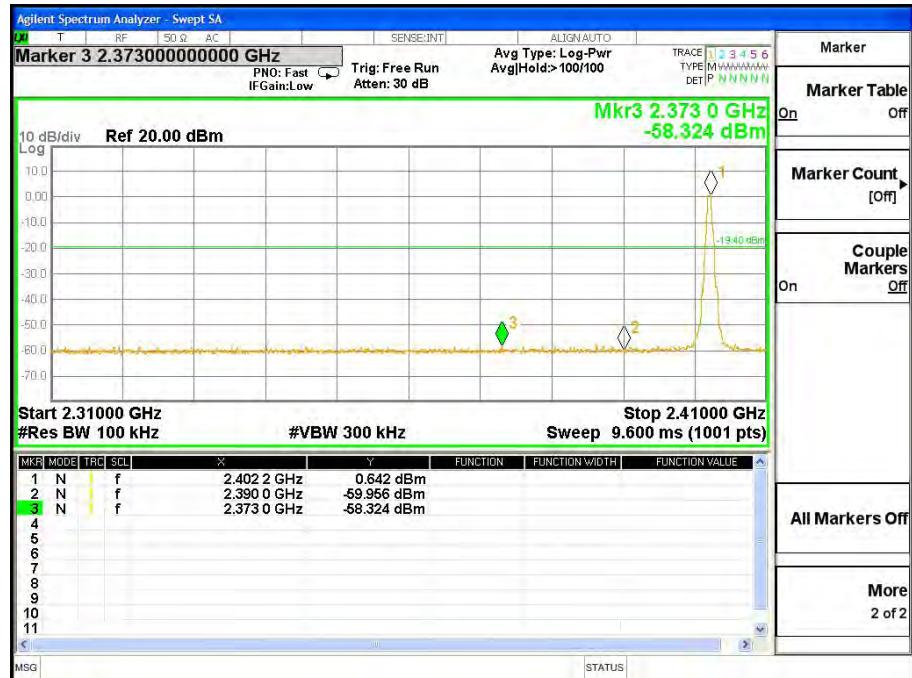
**d. Test Results**

Pass.

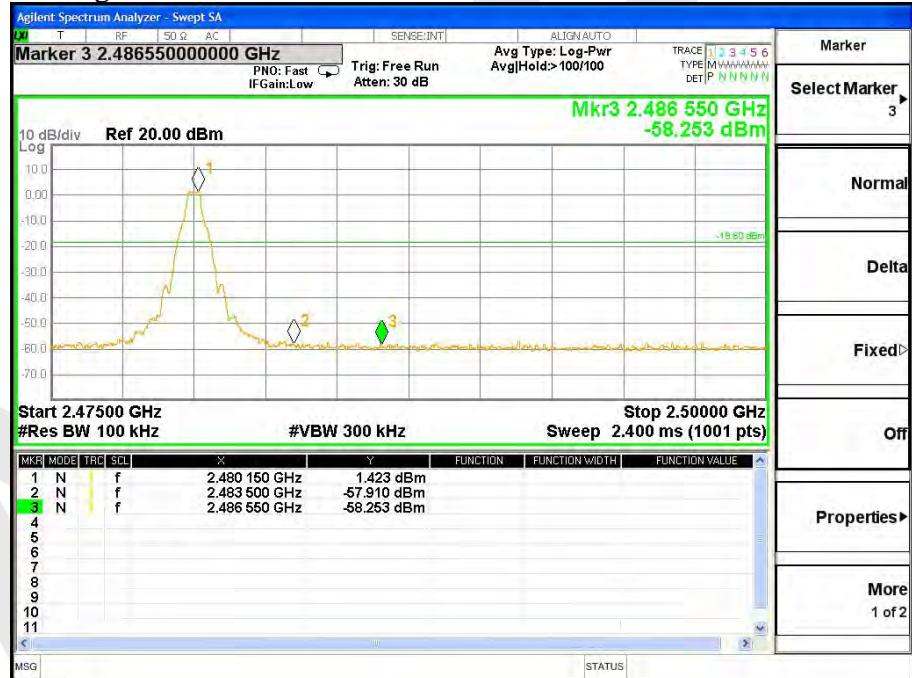
**e. Test Plots**

See the following page.

CH Low

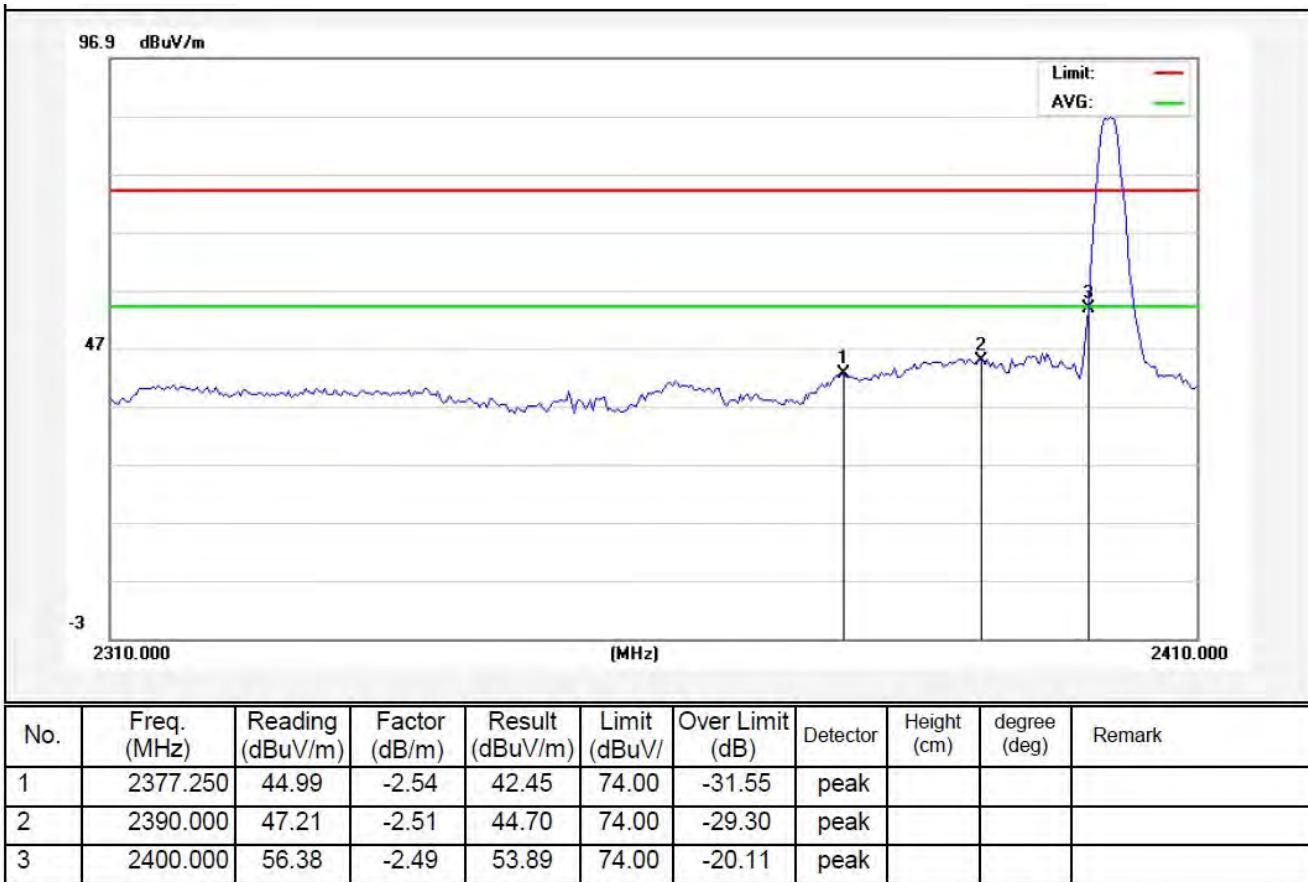


CH High

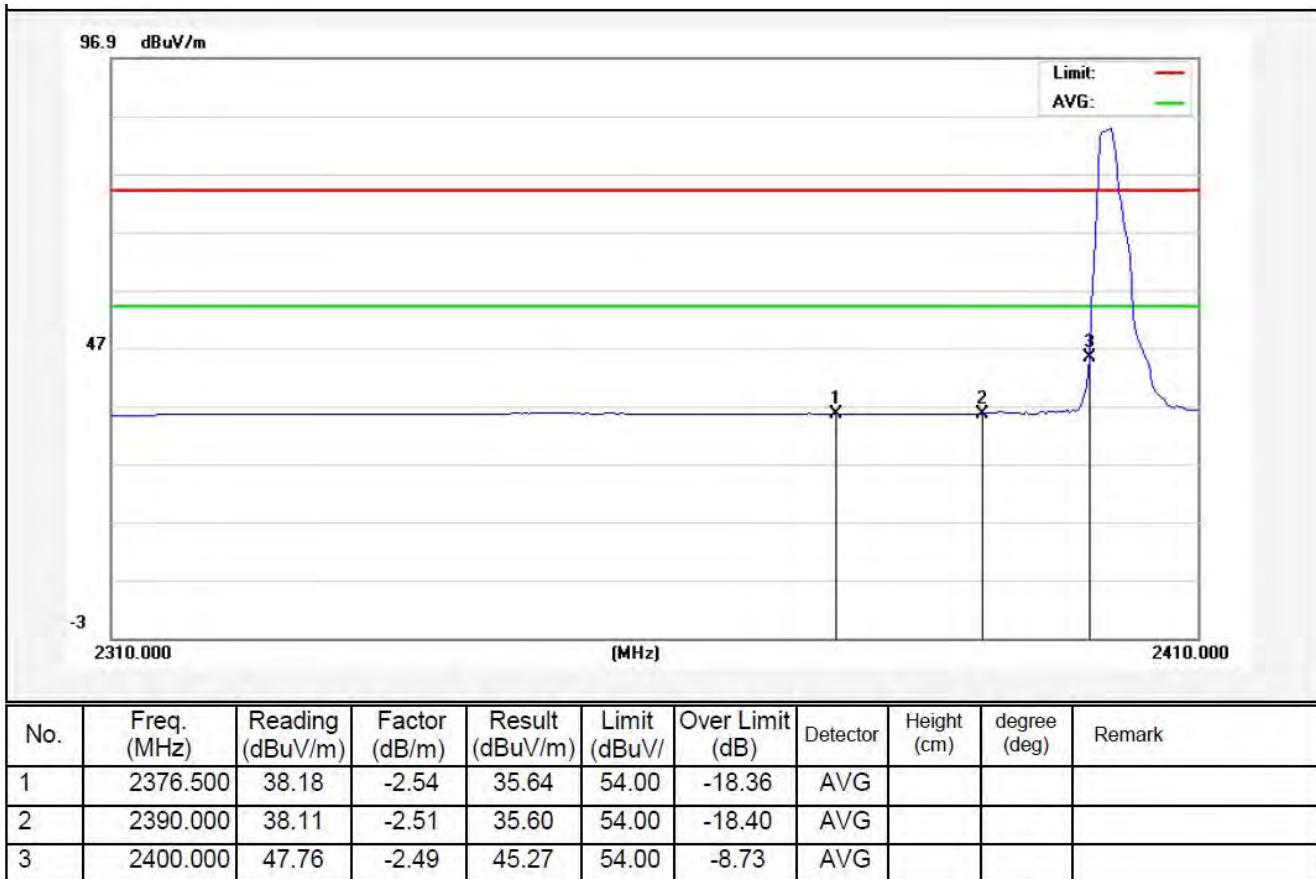


2402MHz

Horizontal-PEAK:

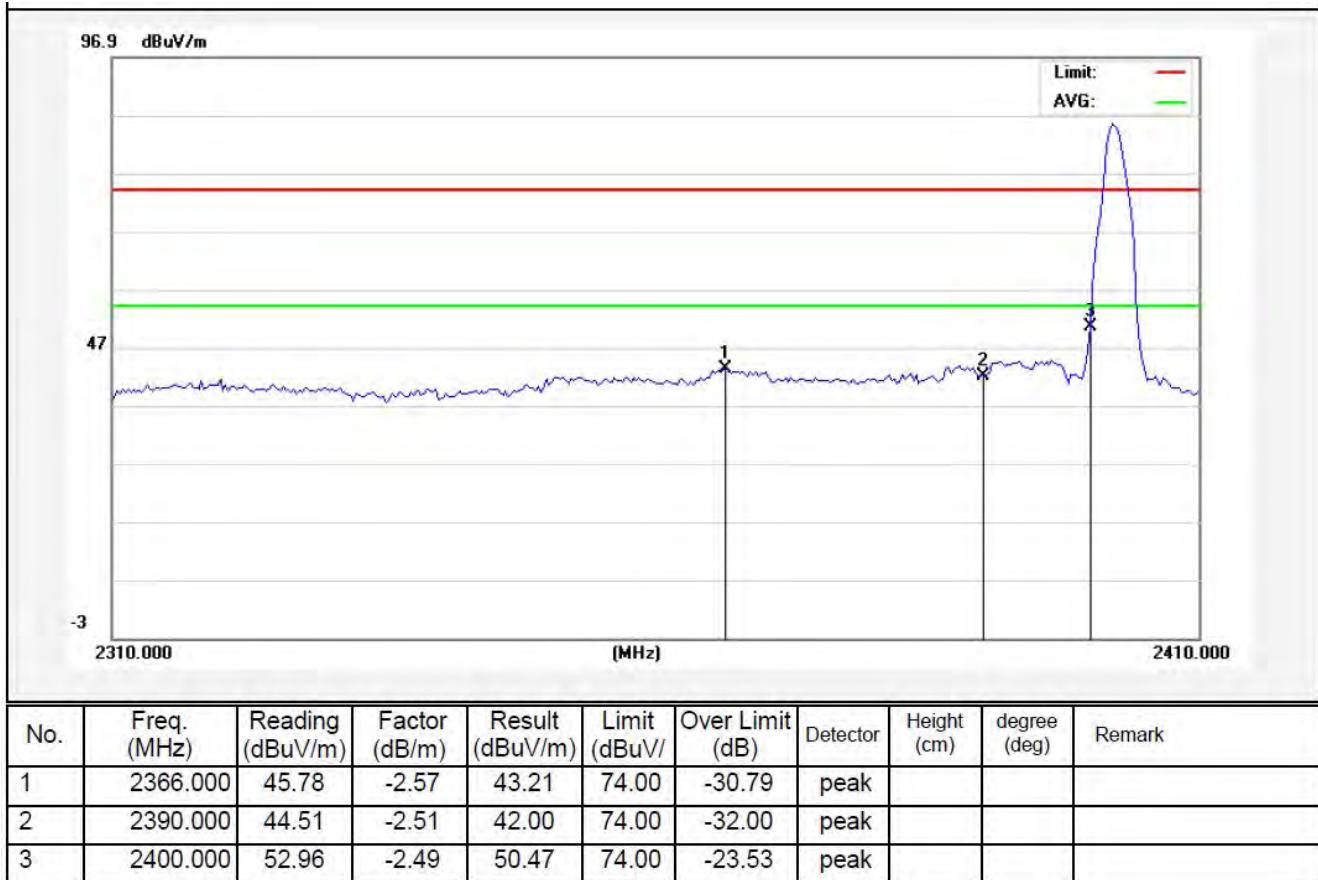


Horizontal-AV:

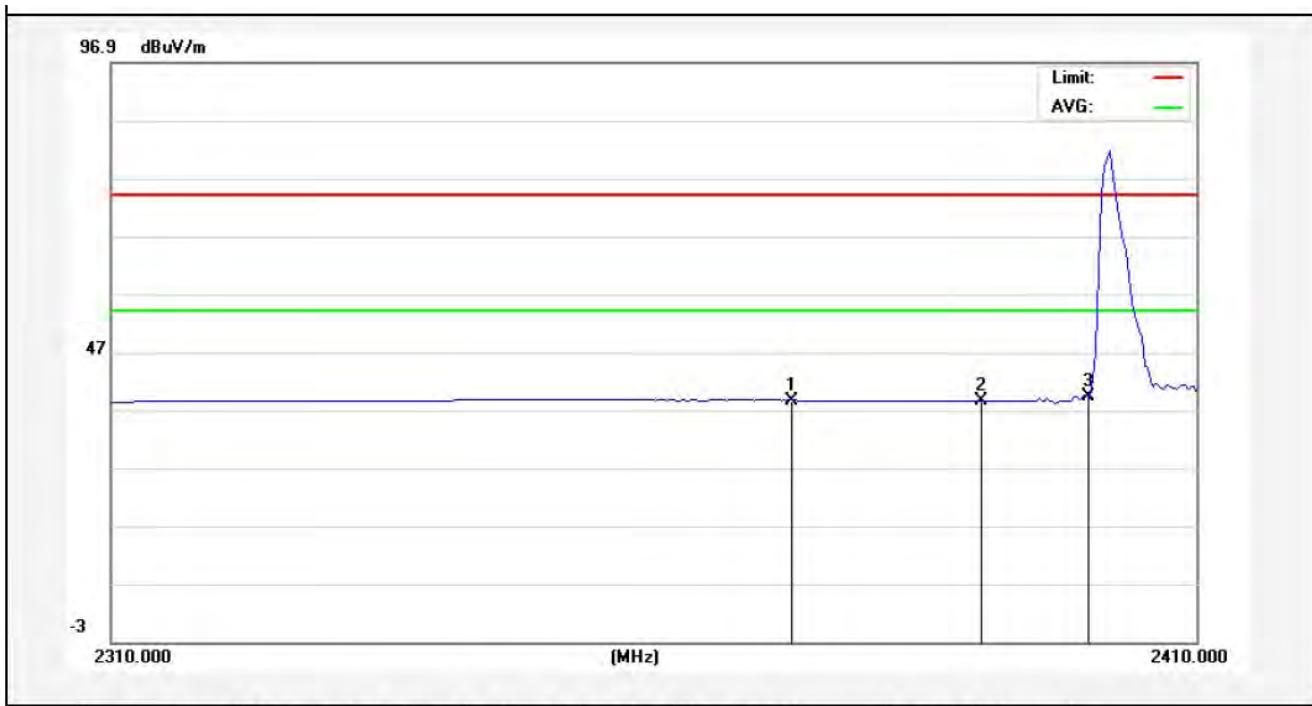


2402MHz

Vertical-PEAK:



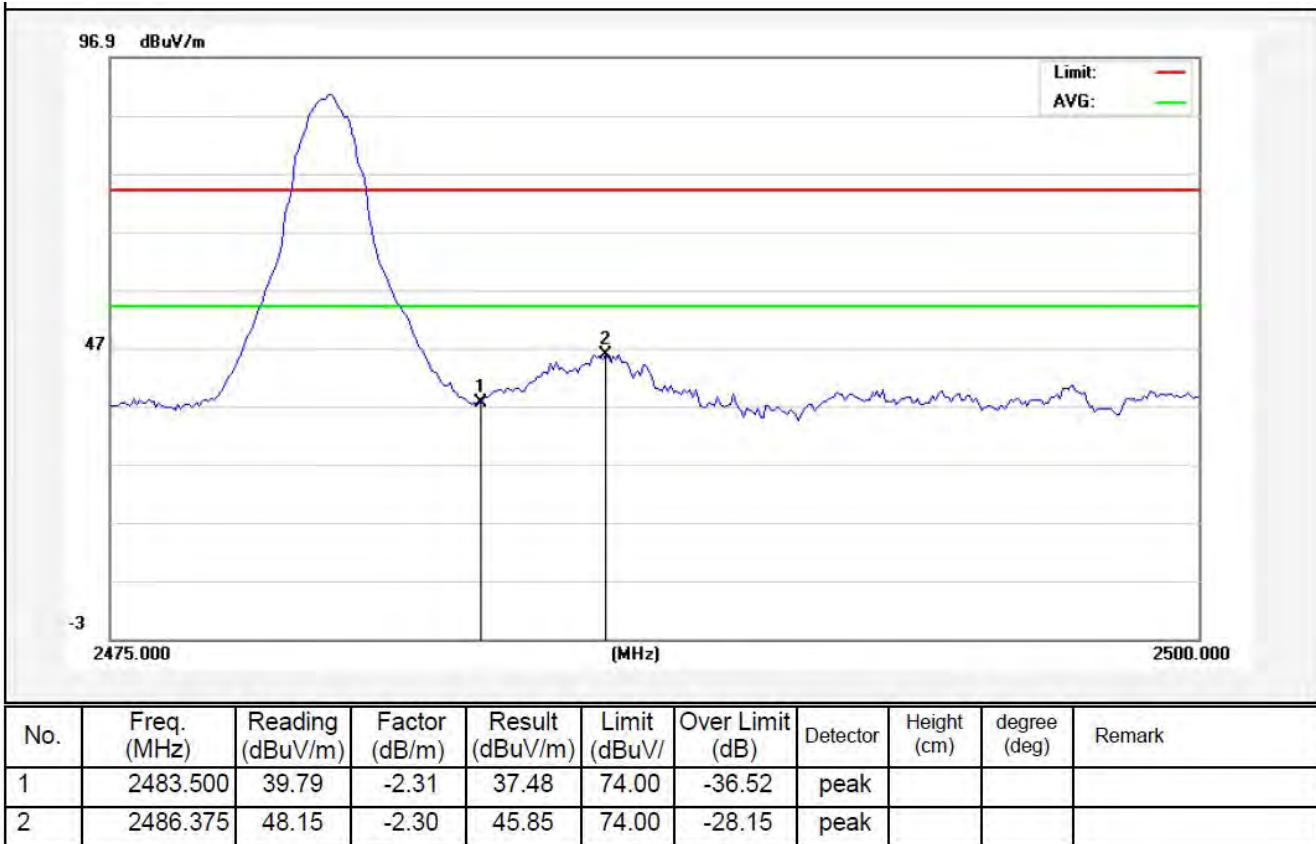
Vertical-AV:



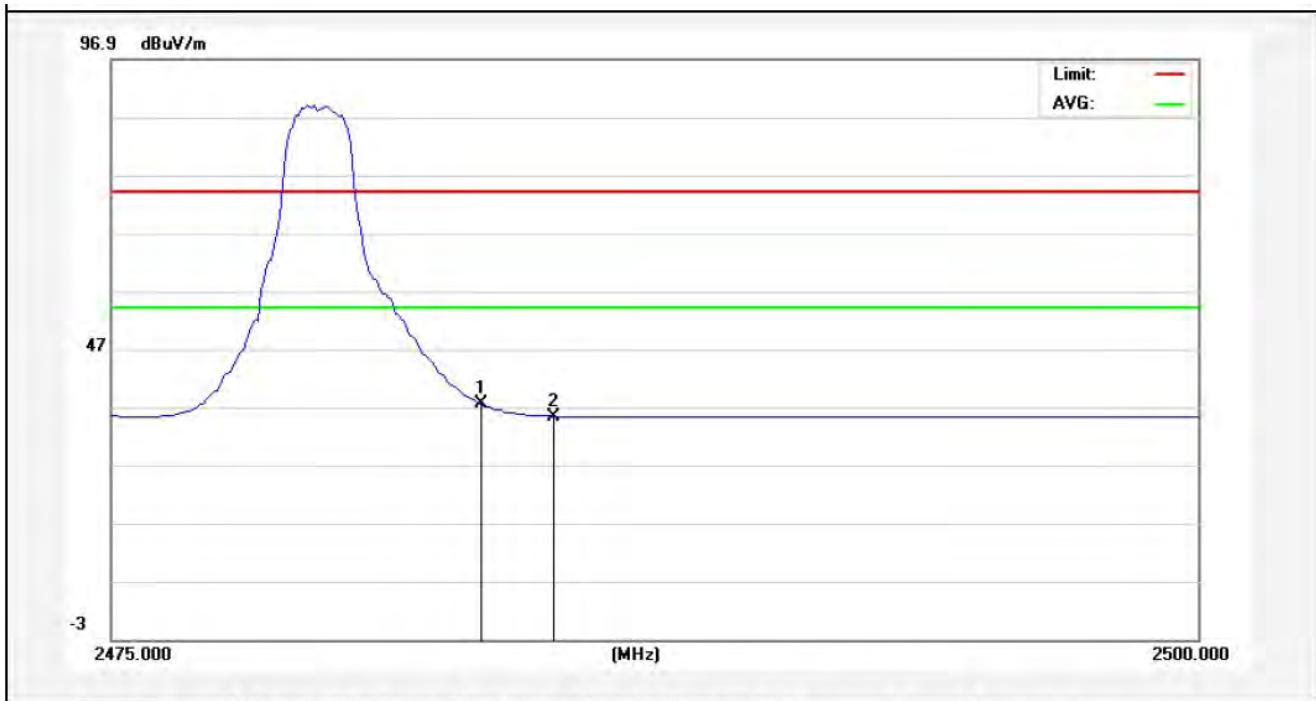
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|------------------|---------------|-----------------|--------------|-----------------|----------|-------------|--------------|--------|
| 1   | 2372.500    | 41.20            | -2.55         | 38.65           | 54.00        | -15.35          | AVG      |             |              |        |
| 2   | 2390.000    | 41.07            | -2.51         | 38.56           | 54.00        | -15.44          | AVG      |             |              |        |
| 3   | 2400.000    | 41.70            | -2.49         | 39.21           | 54.00        | -14.79          | AVG      |             |              |        |

2480MHz

Horizontal-PEAK:

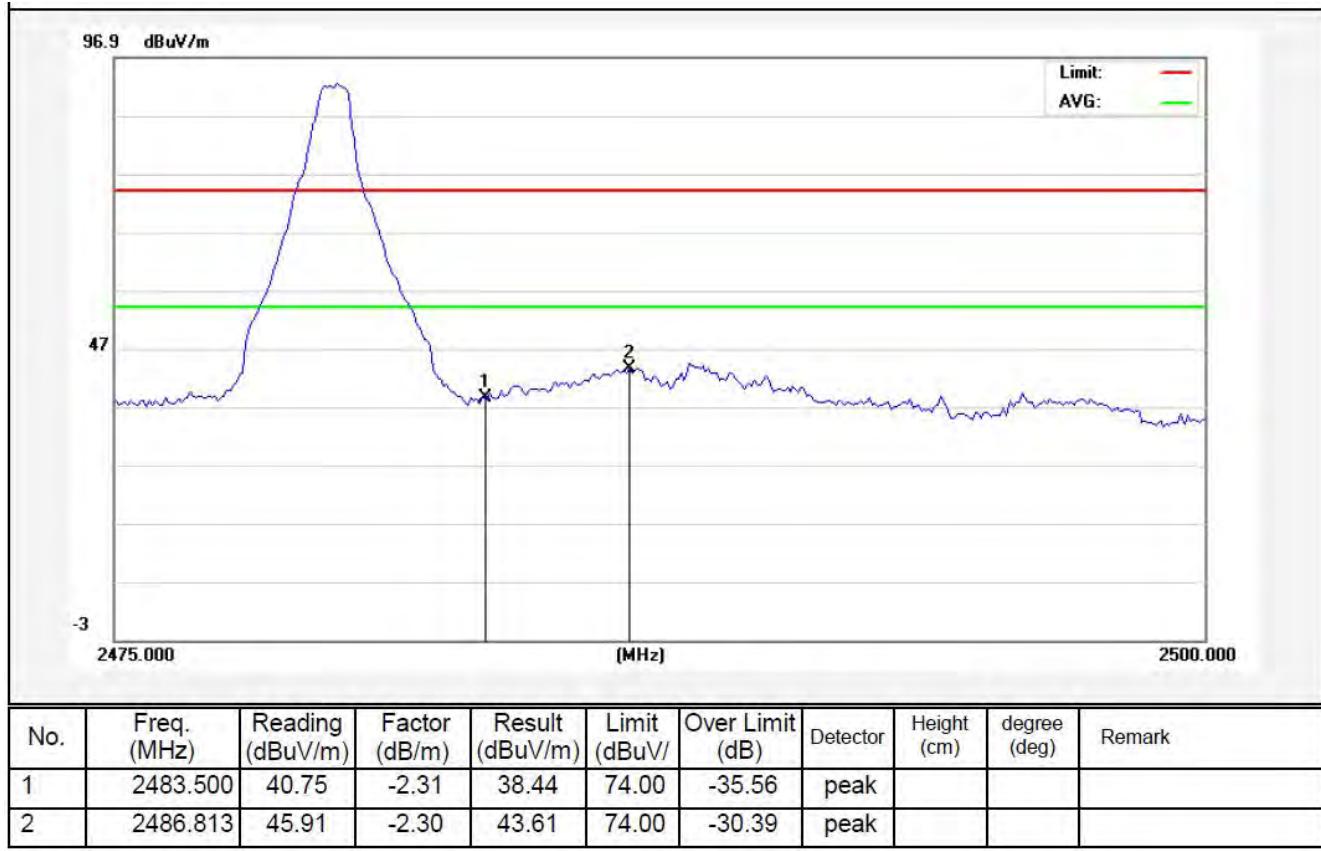


Horizontal-AV:

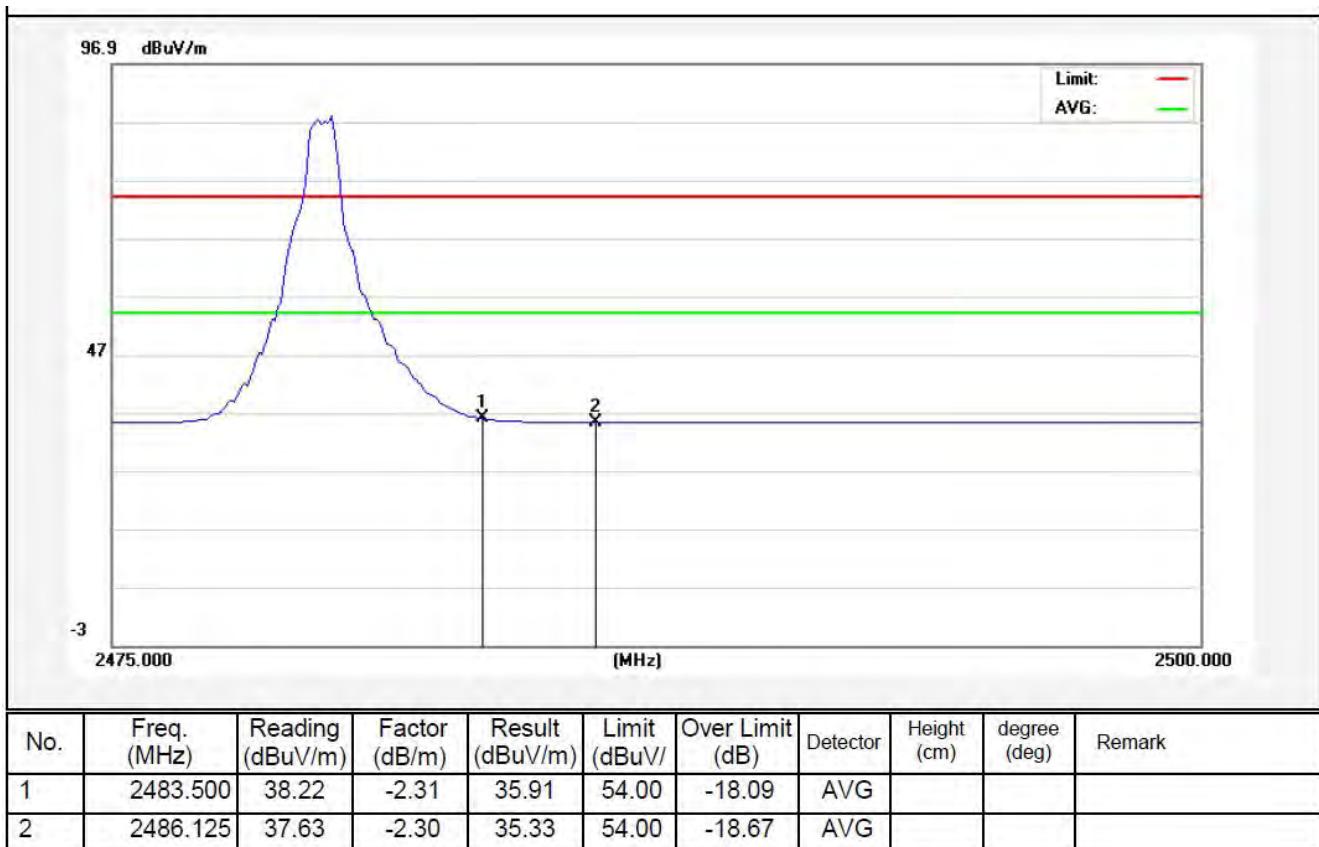


2480MHz

Vertical-PEAK:



Vertical-AV:



### 3.5. Peak Power Spectral Density

#### a. Limit

1. For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.
2. The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

#### b. Test Procedure

1. Place the EUT on the table and set it in transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, Span = 1.5xOBW, Sweep=500s
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

#### c. Test Equipment

Same as the equipment listed in 3.2.

#### d. Test Setup

See 3.1

#### e. Test Results

Pass

#### f. Test Data

Please refer to the following data.

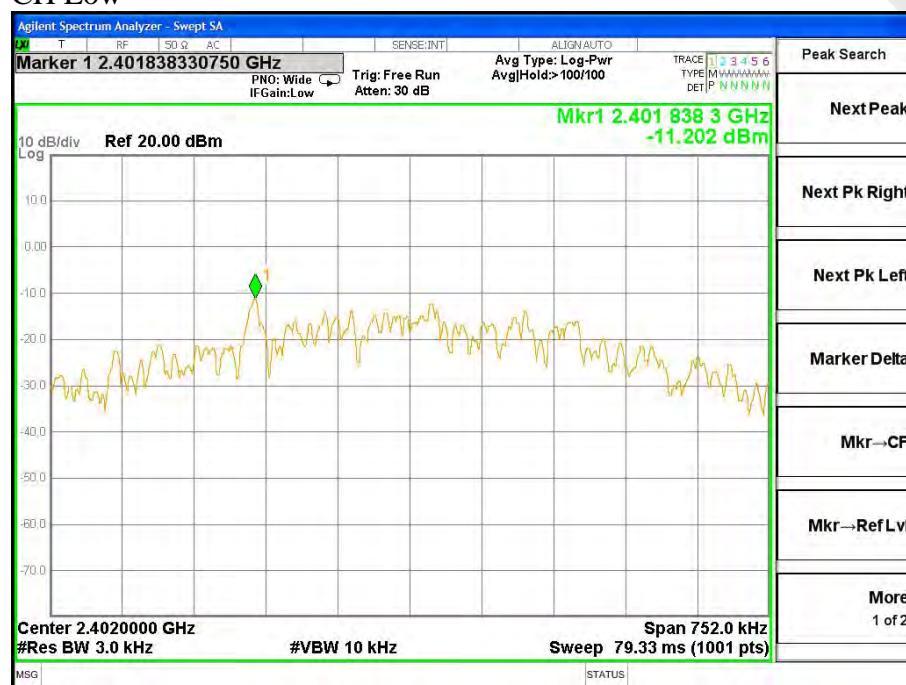
#### g. Test Plot

See the following pages

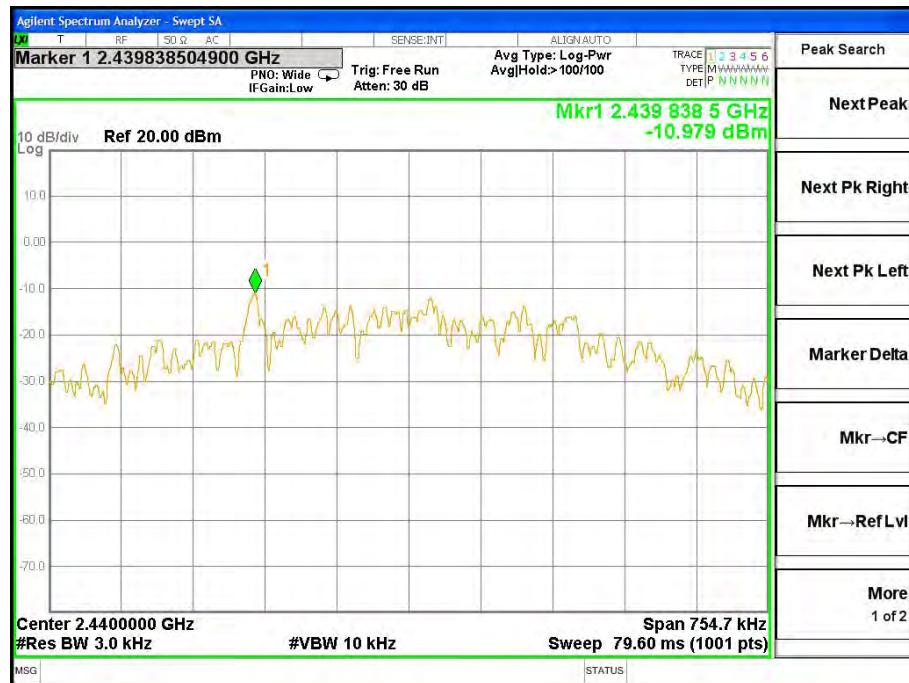
Test mode: IEEE 802.11b

| Channel | Frequency (MHz) | PPSD (dBm/3KHz) | $\Sigma$ PPSD (dBm/3KHz) | Limit (dBm) | Result |
|---------|-----------------|-----------------|--------------------------|-------------|--------|
| Low     | 2402            | -11.202         | -                        | 8.00        | Pass   |
| Mid     | 2440            | -10.979         | -                        | 8.00        | Pass   |
| High    | 2480            | -10.441         | -                        | 8.00        | Pass   |

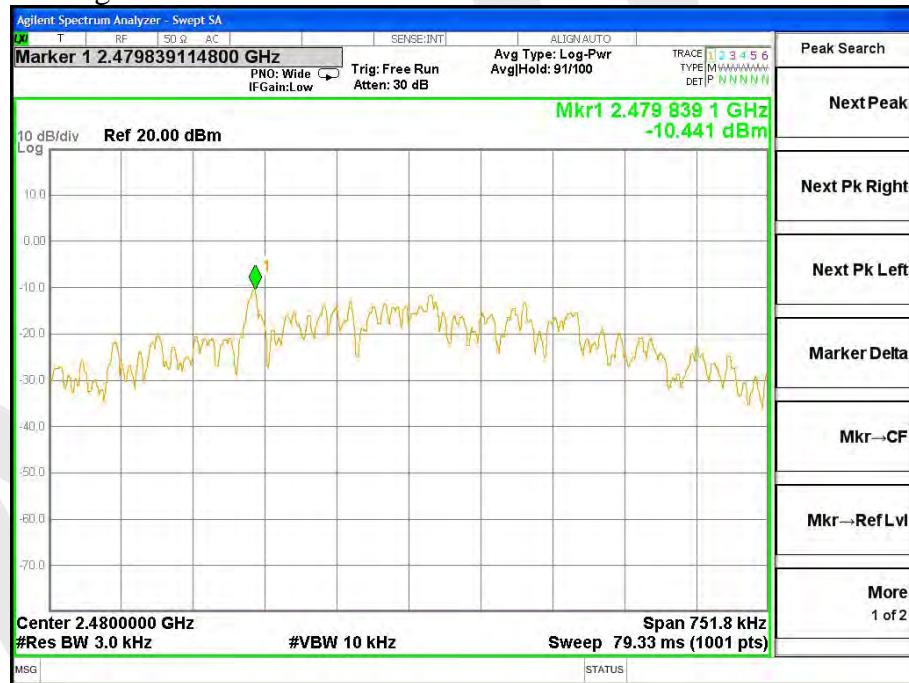
CH Low



CH Mid



CH High



### 3.6. Radiated Emissions

#### 3.6.1.1. Test Limits (< 30 MHZ)

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meter) |
|--------------------|--------------------------------------|---------------------------------|
| 0.009-0.490        | 2400/F(kHz)                          | 300                             |
| 0.490-1.705        | 24000/F(kHz)                         | 30                              |
| 1.705-30.0         | 30                                   | 30                              |

#### 3.6.1.2. Test Limits ( $\geq 30$ MHZ)

| FIELD STRENGTH<br>of Fundamental:<br>@3M | FIELD STRENGTH<br>of Harmonics | S15.209<br>30 - 88 MHz | 40 dB $\mu$ V/m |
|--|--------------------------------|------------------------|-----------------|
| 902-928 MHZ                              |                                | 88 - 216 MHz           | 43.5            |
| 2.4-2.4835 GHz                           |                                | 216 - 960 MHz          | 46              |
| 94 dB $\mu$ V/m @3m                      | 54 dB $\mu$ V/m @3m            | ABOVE 960 MHz          | 54dB $\mu$ V/m  |

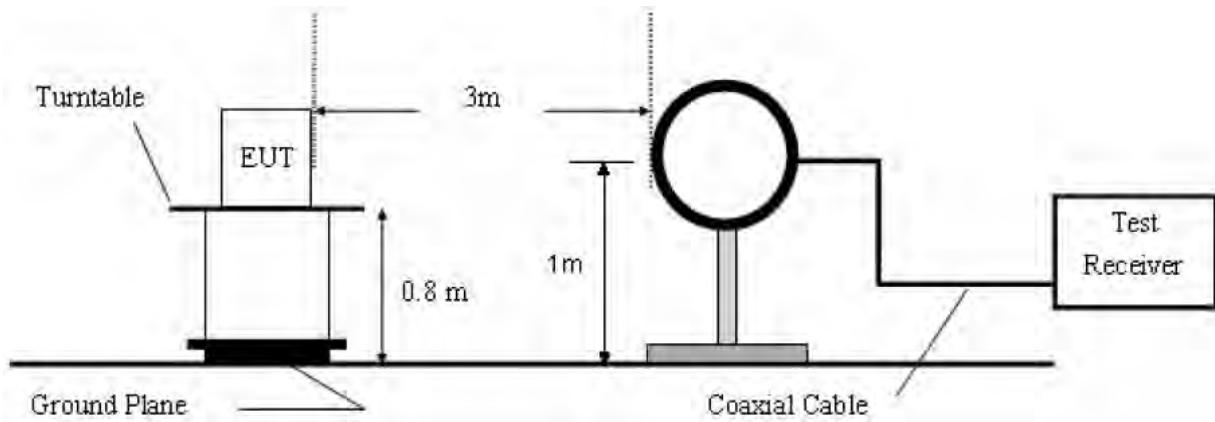
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

#### Test Equipment

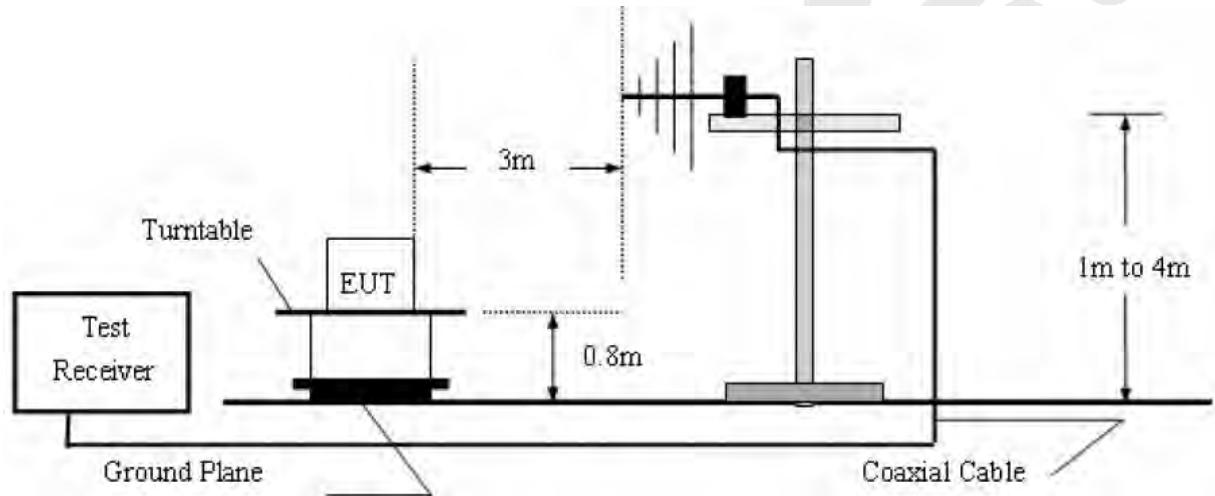
| Item | Equipment                  | Manufacturer            | Model No. | Serial No.    | Last Cal.     | Cal. Interval |
|------|----------------------------|-------------------------|-----------|---------------|---------------|---------------|
| 1.   | Spectrum Analysis          | Agilent                 | E4407B    | US39390582    | Apr. 17, 2015 | 1 Year        |
| 2.   | Preamplifier               | Instruments corporation | EMC011830 | 980100        | Apr. 17, 2015 | 1 Year        |
| 3.   | EMI Test Receiver          | Rohde & Schwarz         | ESPI      | 101604        | Apr. 17, 2015 | 1 Year        |
| 4.   | Double Ridged Horn Antenna | Instruments corporation | GTH-0118  | 351600        | Apr. 20, 2015 | 1 Year        |
| 5.   | Bilog Broadband Antenna    | Schwarzbeck             | VULB9163  | VULB 9163-289 | Apr. 20, 2015 | 1 Year        |
| 6.   | Pre-amplifier              | SONOMA                  | 310N      | 186860        | Apr. 17, 2015 | 1 Year        |
| 7.   | EMI Test Software EZ-EMC   | SHURPLE                 | N/A       | N/A           | N/A           | N/A           |

### 3.6.2. Test Configuration:

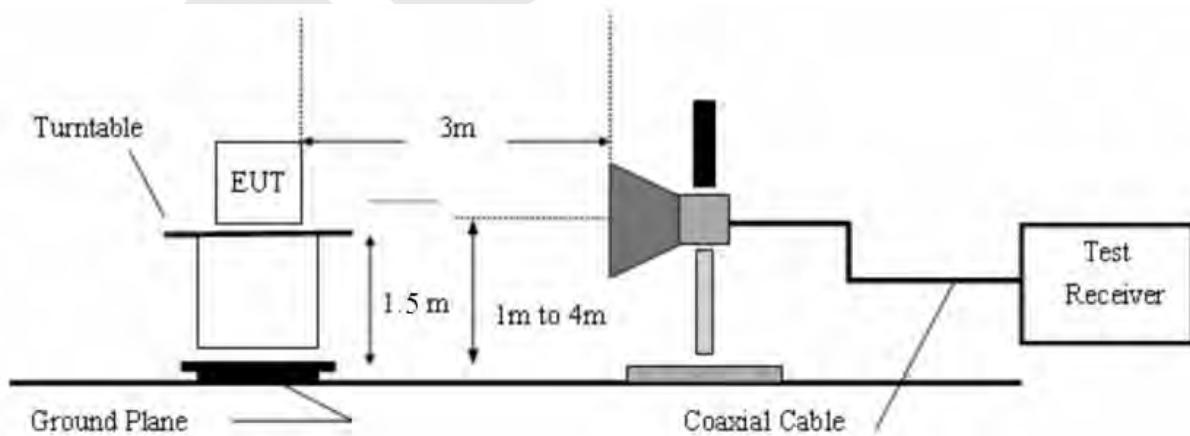
#### 3.6.2.1. 9k to 30MHz emissions:



#### 3.6.2.2. 30M to 1G emissions:



#### 3.6.2.3. 1G to 40G emissions:



### 3.6.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.  
For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.  
The turn table can rotate 360 degrees to determine the position of the maximum emission level.  
The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower.  
The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

Measurements are made on 9KHz to 30MHz and 30MHz to 26GHz range with the transmitter set to the lowest, middle, and highest channels.

All readings from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All reading are above 1GHz, peak & average values with a resolution bandwidth of 1MHz.

The EUT is tested in 9\*6\*6 Chamber. The device is evaluated in xyz orientation.

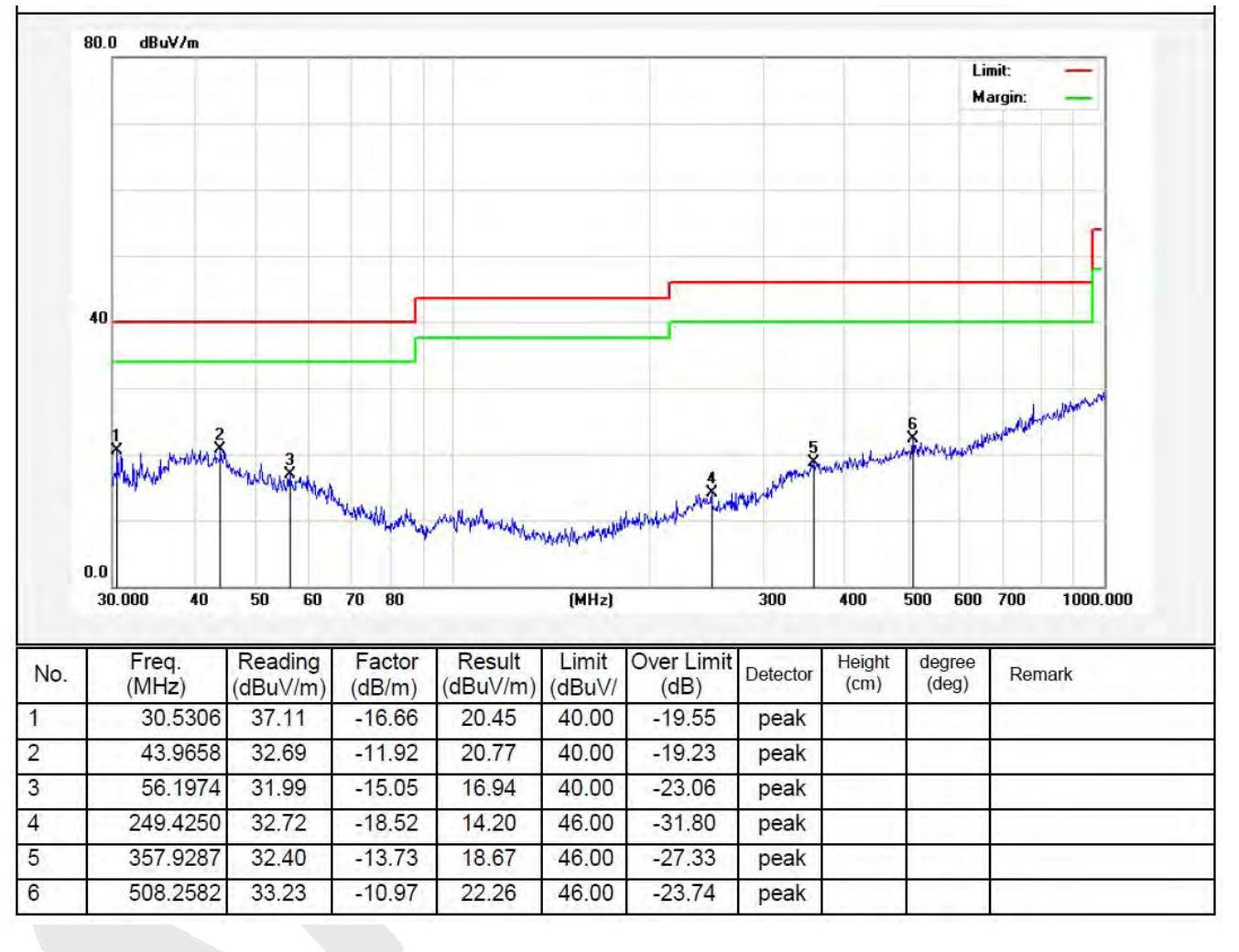
The test results are listed in Section 3.6.4.

### 3.6.4. Test Results

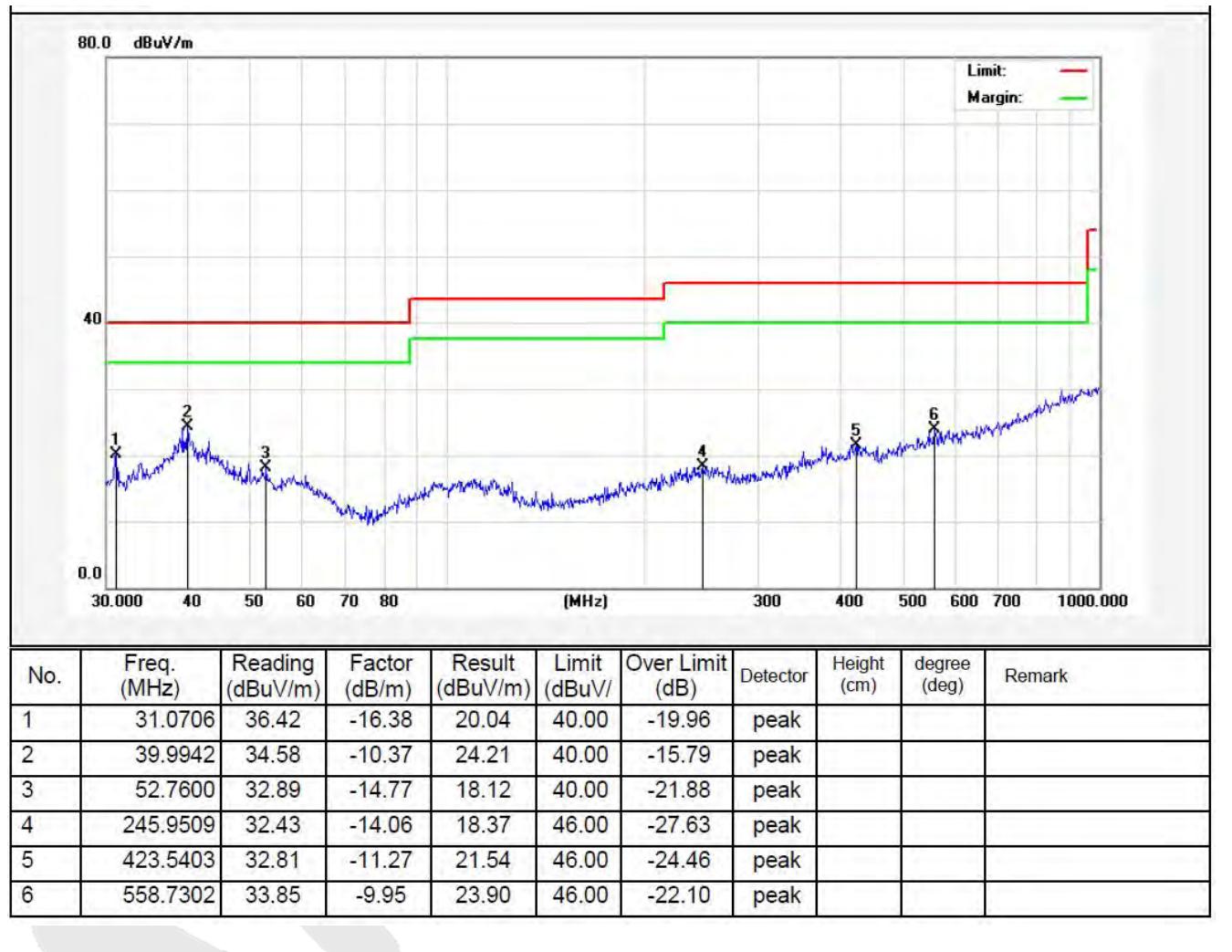
PASS.

Please refer the following pages. Only the worst case (x orientation).

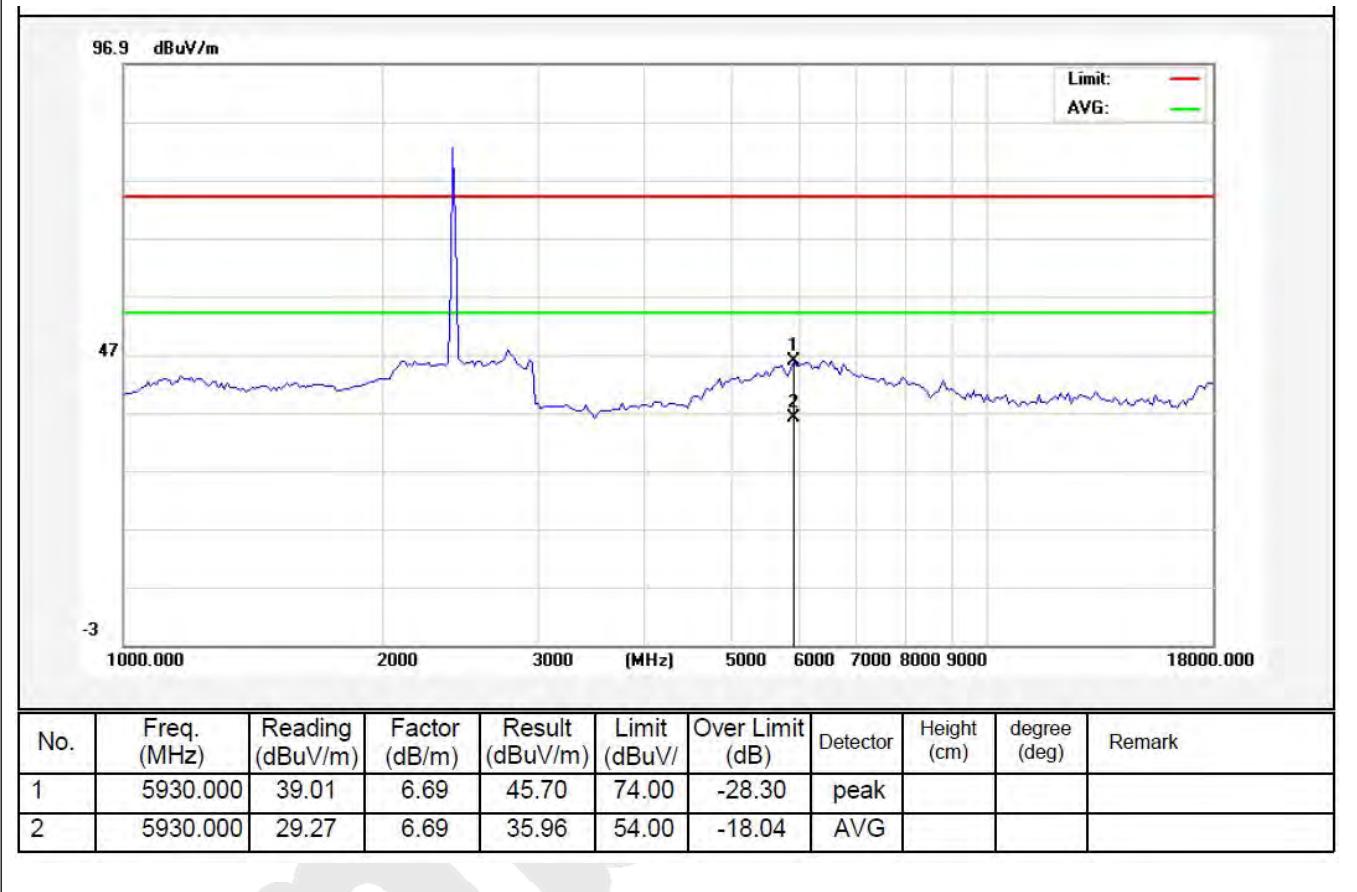
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Horizontal    |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Test Mode: | On                   | Distance:           | 3m            |



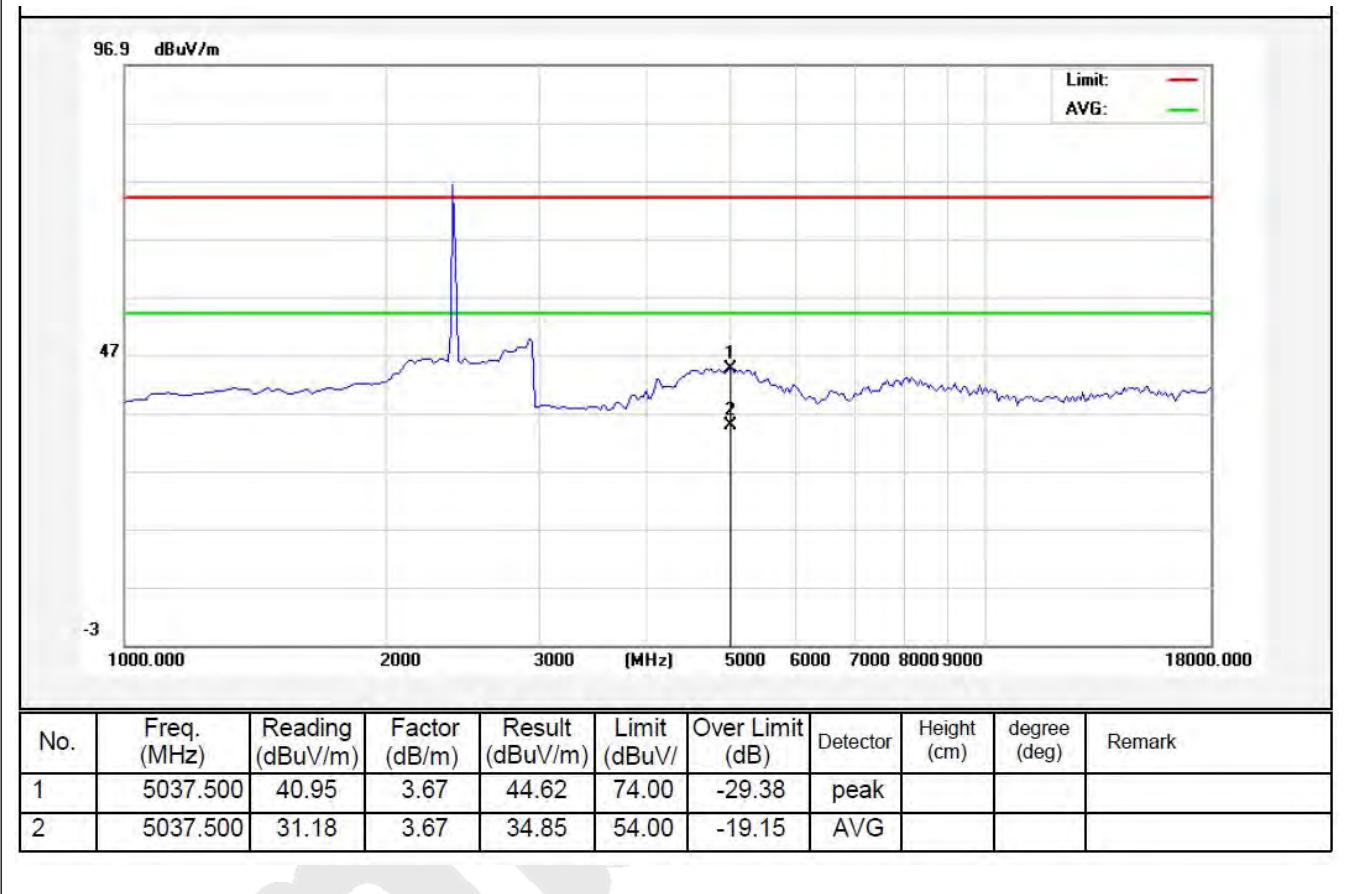
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Vertical      |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Test Mode: | On                   | Distance:           | 3m            |



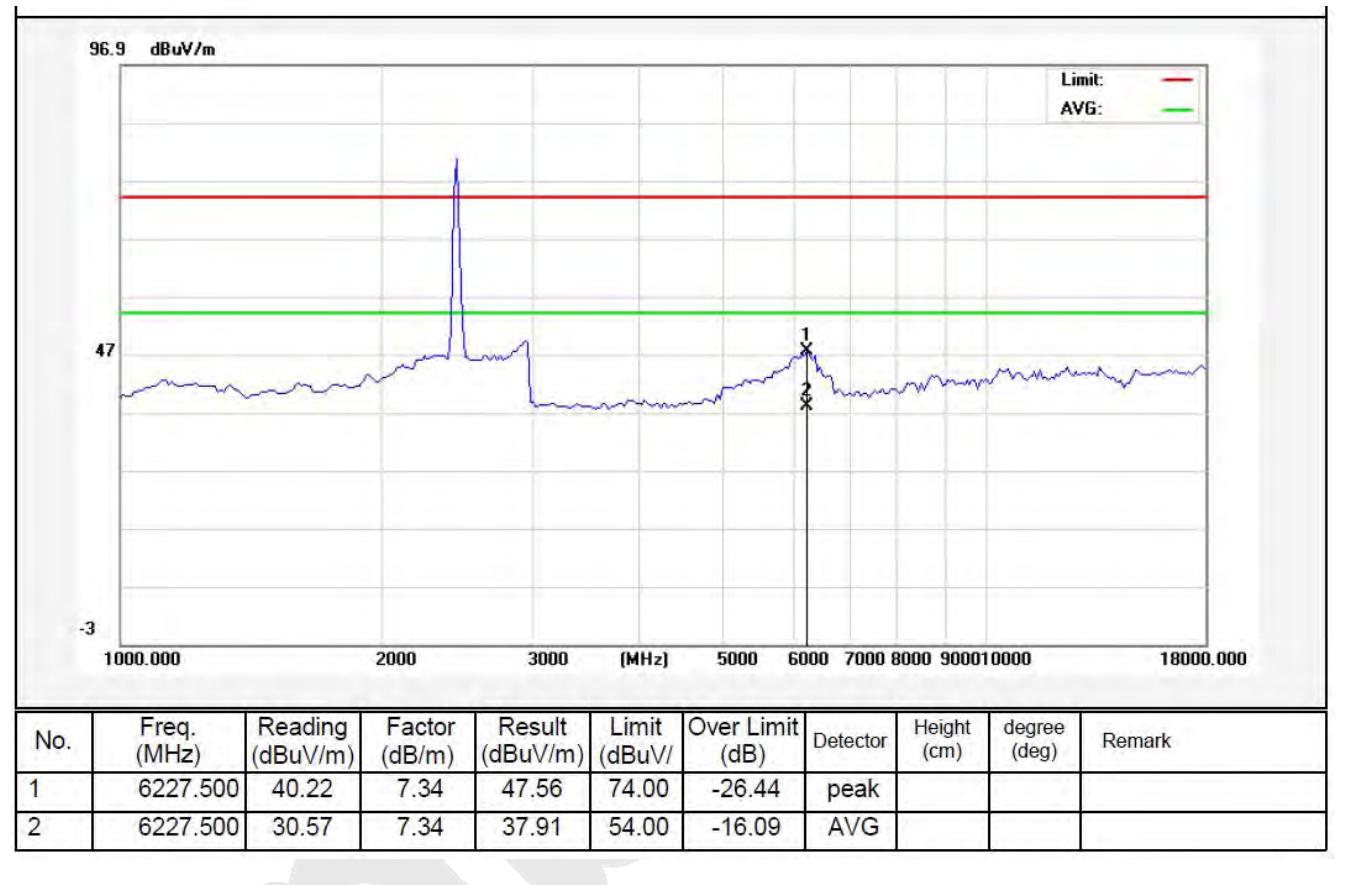
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Horizontal    |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2402MHz              | Distance:           | 3m            |



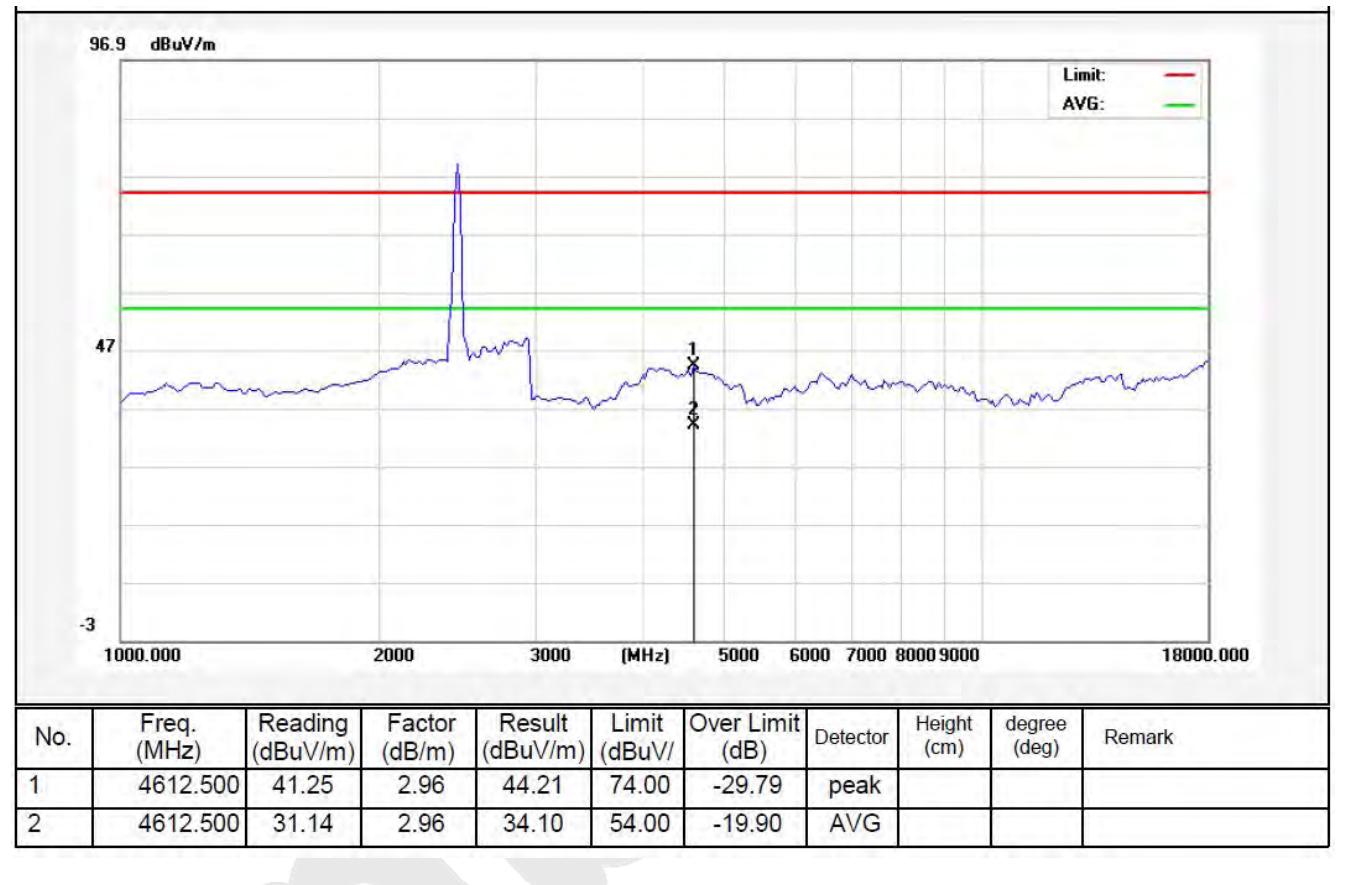
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Vertical      |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2402MHz              | Distance:           | 3m            |



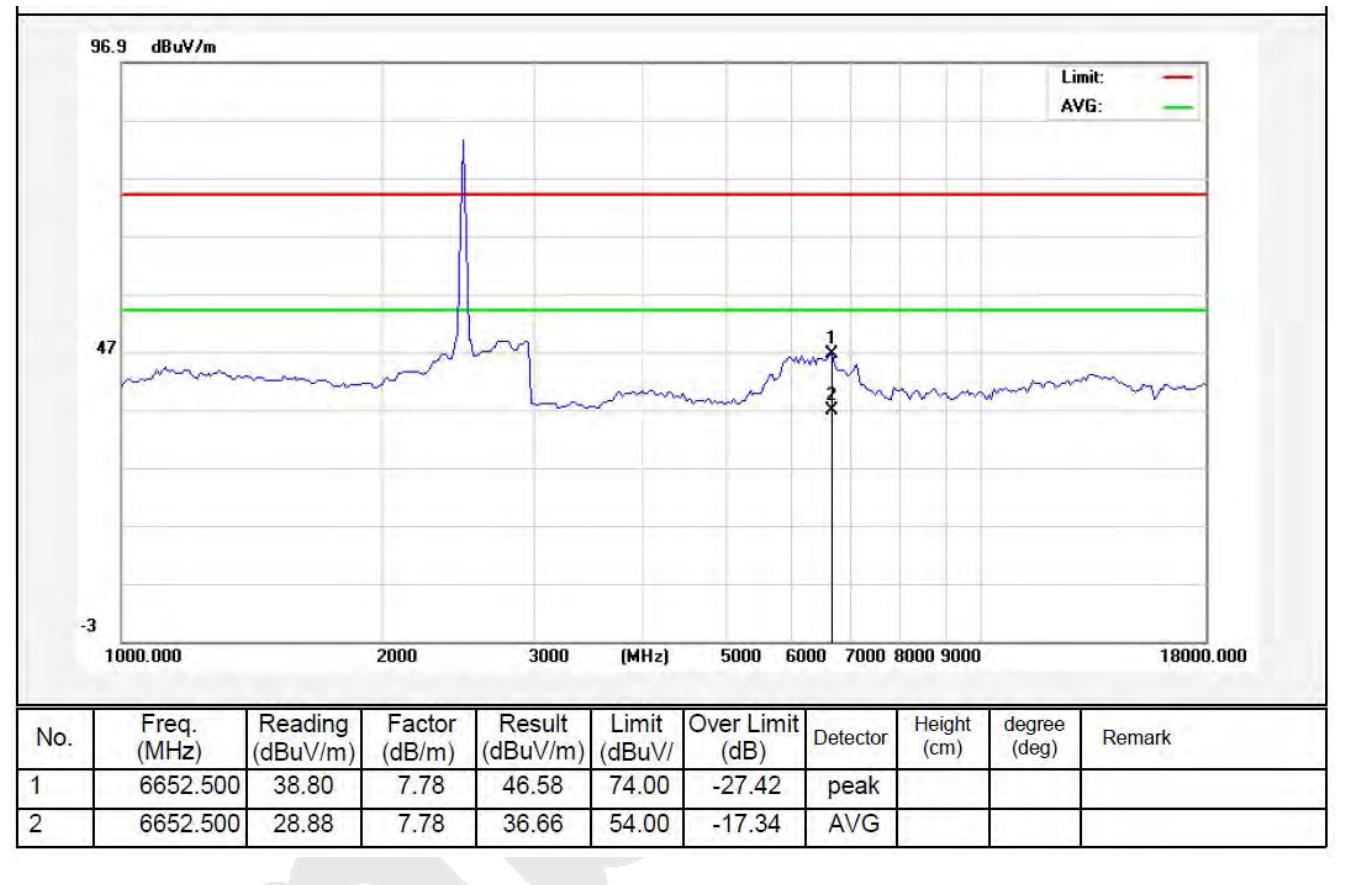
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Horizontal    |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2440MHz              | Distance:           | 3m            |



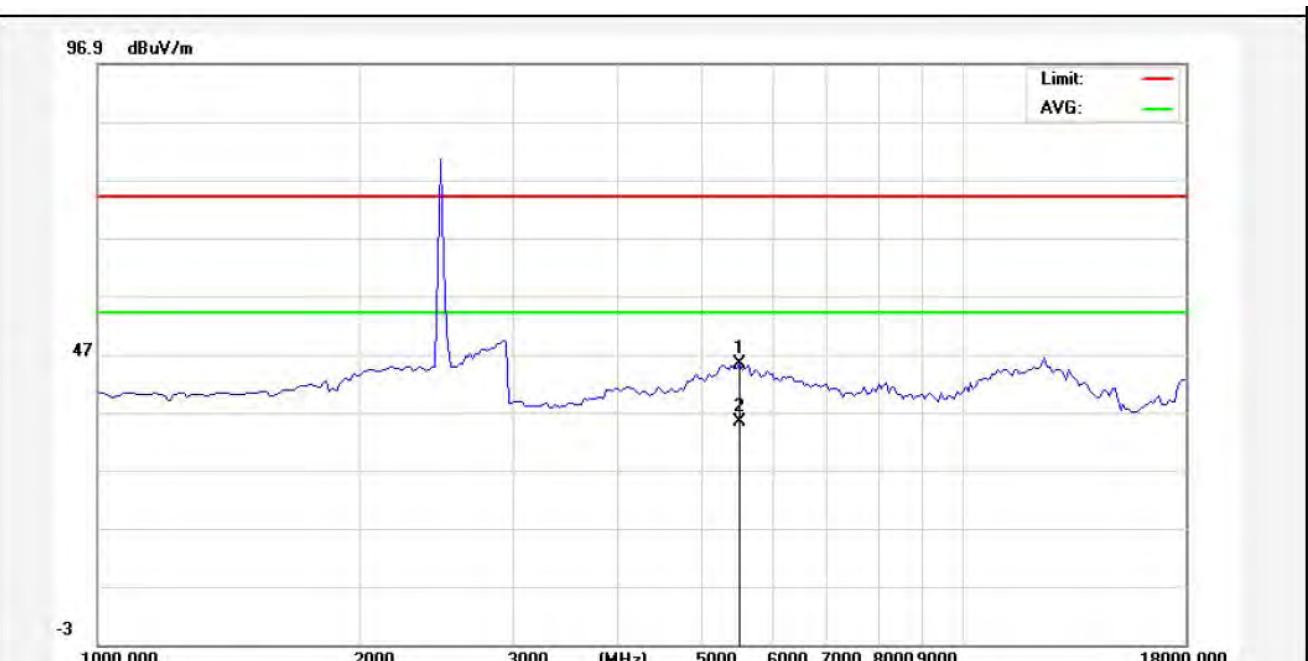
|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Vertical      |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2440MHz              | Distance:           | 3m            |



|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Horizontal    |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2480MHz              | Distance:           | 3m            |



|            |                      |                     |               |
|------------|----------------------|---------------------|---------------|
| Job No.:   | 0115061054I          | Polarization:       | Vertical      |
| Standard:  | (RE)FCC PART15 C _3m | Power Source:       | DC 3V         |
| Test item: | Radiation Test       | Temp.(C)/Hum.(%RH): | 24.3(C)/55%RH |
| Note:      | 2480MHz              | Distance:           | 3m            |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|-----|-------------|------------------|---------------|-----------------|----------------|-----------------|----------|-------------|--------------|--------|
| 1   | 5505.000    | 41.24            | 4.02          | 45.26           | 74.00          | -28.74          | peak     |             |              |        |
| 2   | 5505.000    | 31.22            | 4.02          | 35.24           | 54.00          | -18.76          | AVG      |             |              |        |

## 4. ANTENNA APPLICATION

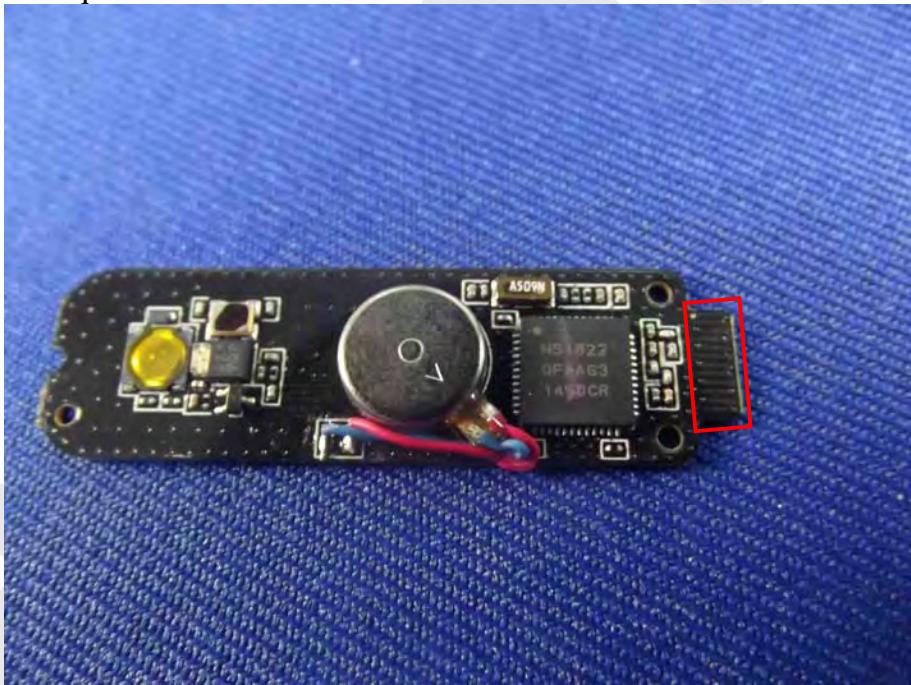
### 4.1. Antenna requirement

The EUT'S antenna is met the requirement of FCC part 15C 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. 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.

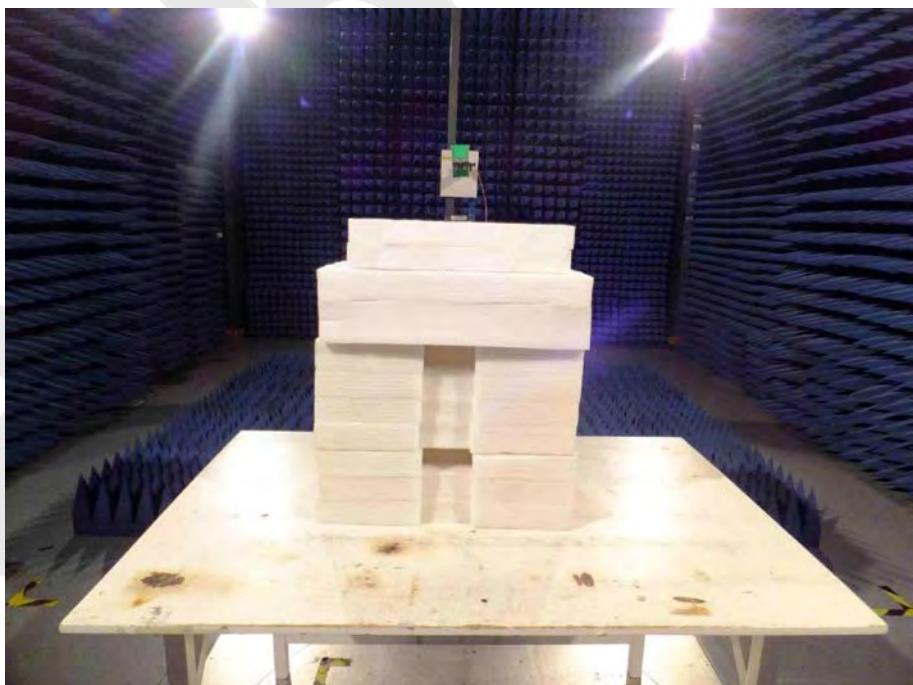
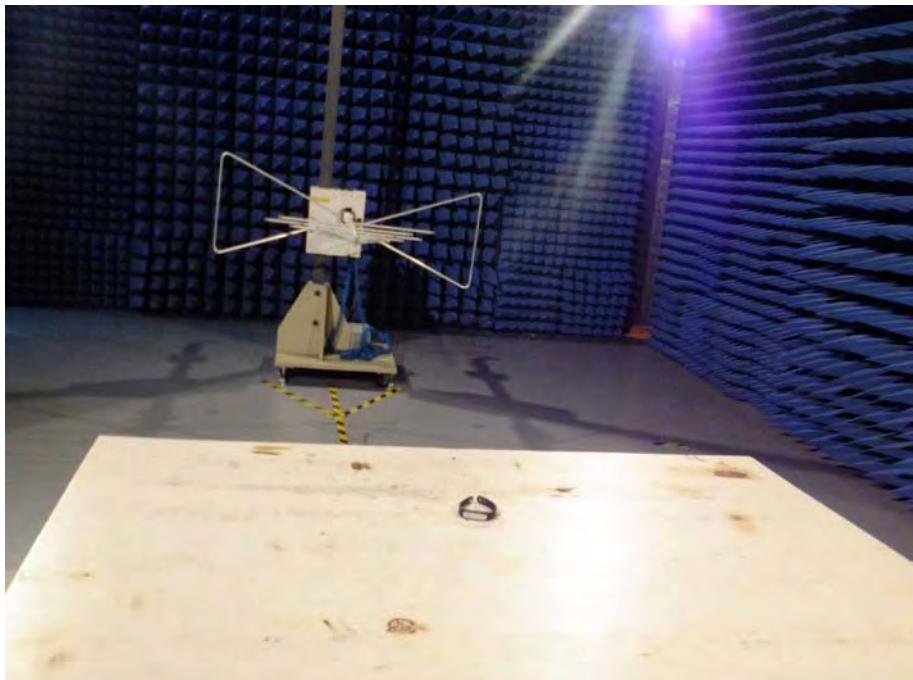
### 4.2. Result

The EUT's antenna used a integrated antenna which is permanently attached, The antenna's gain is 3dBi and meets the requirement.



## 5. PHOTOGRAPH

### 5.1 Photo of Radiation Emission Test



## APPENDIX I (EXTERNAL PHOTOS)

Figure 1  
The EUT-Front View



Figure 2  
The EUT-Back View



Figure 3  
The EUT-Top View



Figure 4  
The EUT-Bottom View



Figure 5  
The EUT-Right View



Figure 6  
The EUT-Left View



Figure 7  
The EUT-Front View

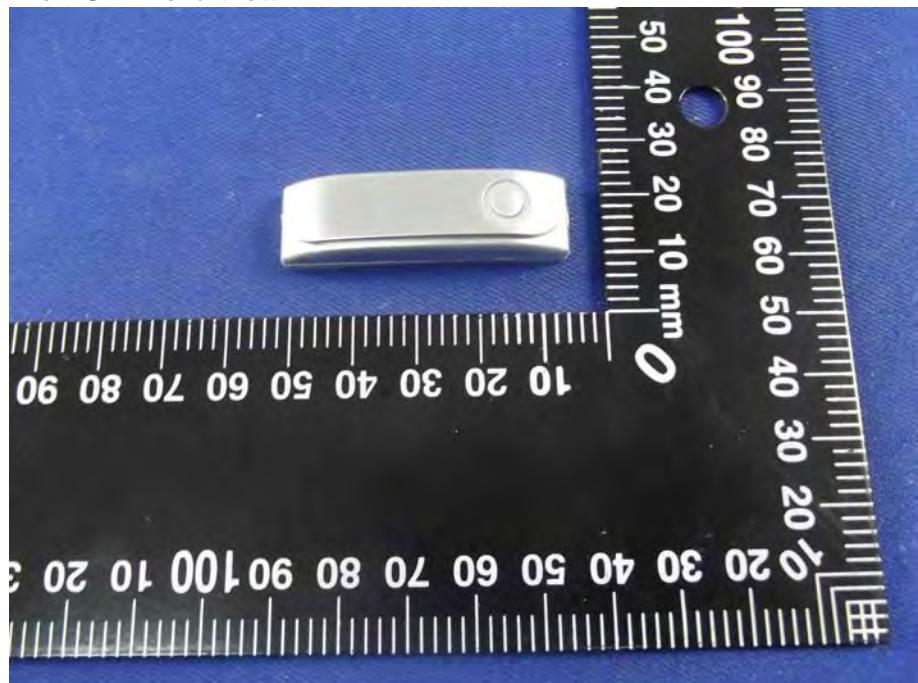
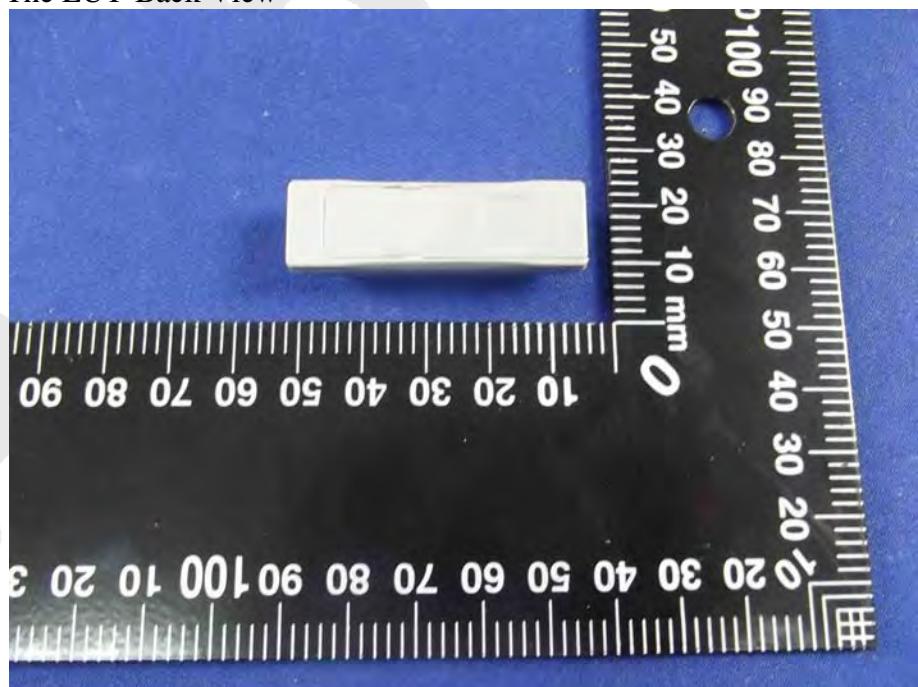


Figure 8  
The EUT-Back View



## APPENDIX II (INTERNAL PHOTOS)

Figure 9  
The EUT-Inside View

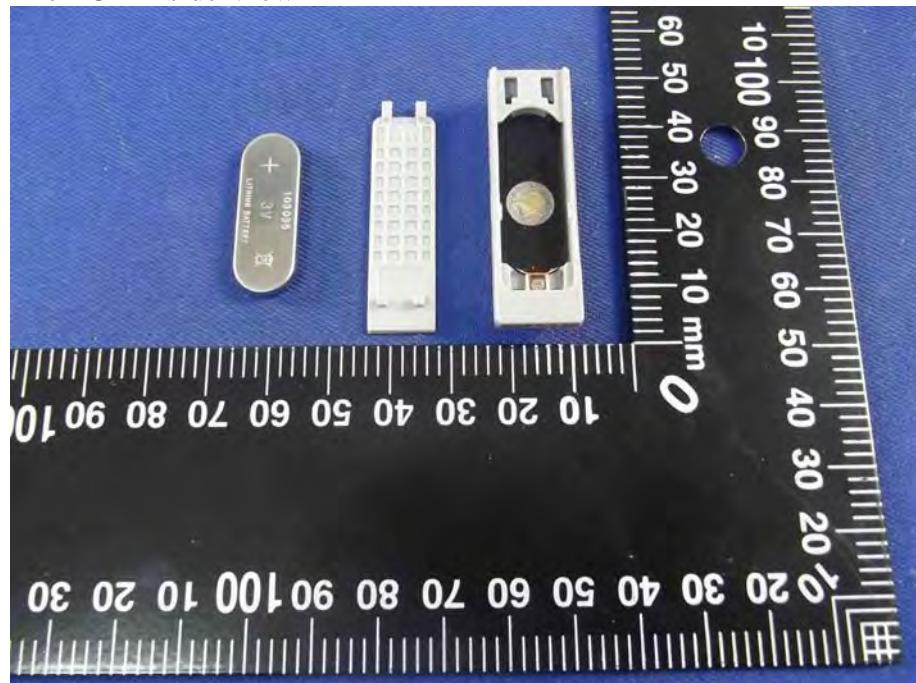


Figure 10  
The EUT-Inside View

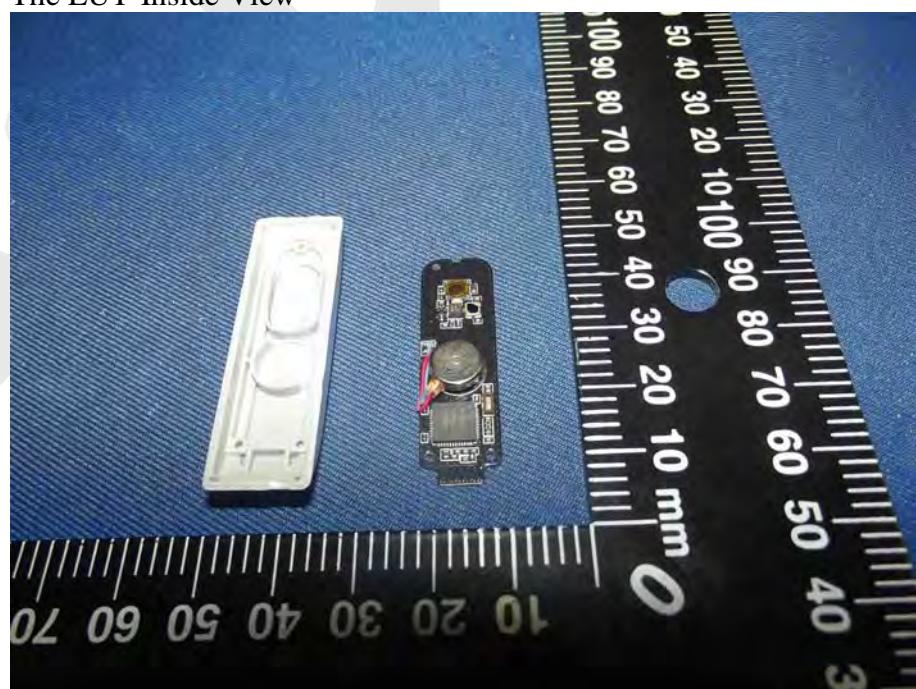


Figure 11  
PCB of the EUT-Front View

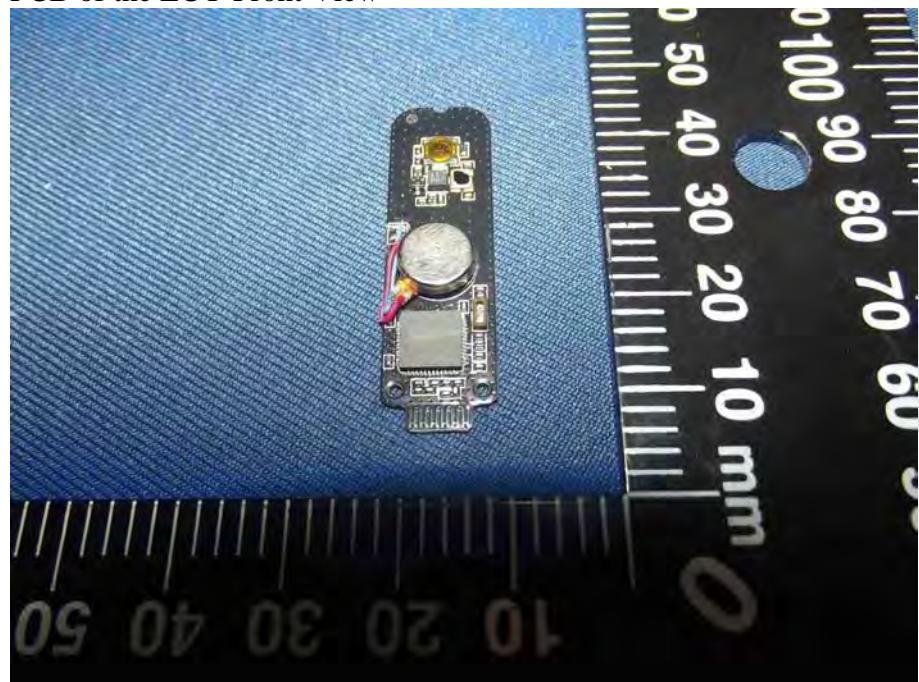


Figure 12  
PCB of the EUT-Back View

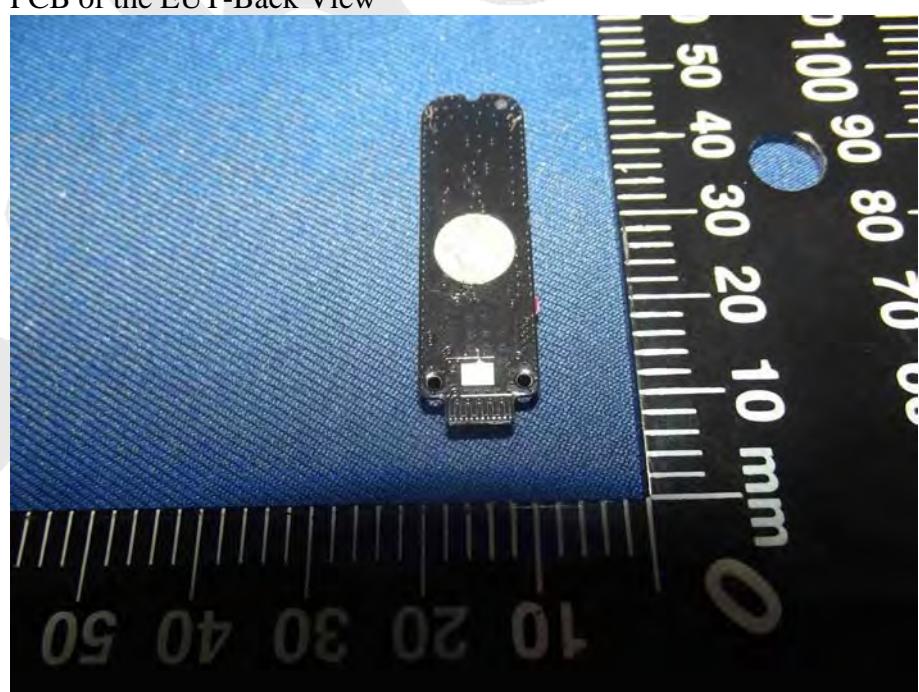


Figure 13  
PCB of the EUT-Front View

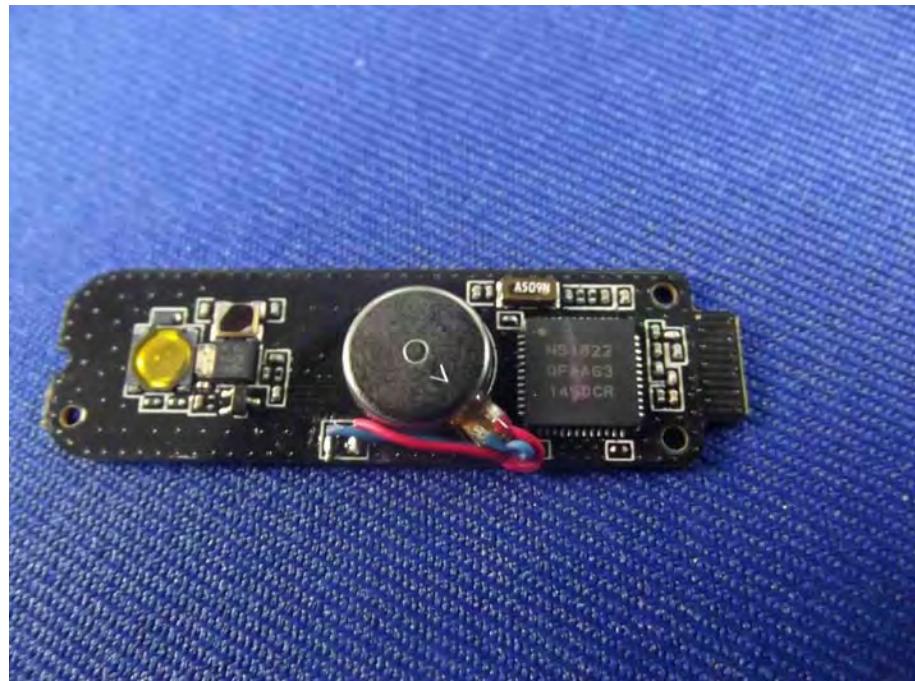


Figure 14  
PCB of the EUT-Back View

