



# TEST REPORT

**Report Reference No.**..... : **TRE1506003502** R/C.....:85930  
**FCC ID**..... : **2AAP6M8018**  
**Applicant's name**..... : **SHENZHEN ZOWEE TECHNOLOGY CO.,LTD**  
 Address..... : Science &Technology Industrial Park of Privately  
 Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR  
 CHINA  
 Manufacturer..... : SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  
 Address..... : Science &Technology Industrial Park of Privately  
 Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR  
 CHINA  
**Test item description** ..... : **Internet Tablet**  
 Trade Mark ..... : TMAX ,APEX,DOPO,NOBIS,DAGE,NUVISION  
 Model/Type reference..... : M8025  
 Listed Model(s)..... : DPW8A-BT,DPW8B-BT,DPW8D-BT,DPW8C-BT, TM800A540L,  
 TM800A550L, TM8A560L, NB8005C, NB8006C, NB8007A  
**Standard** ..... : **FCC CFR Title 47 Part 15 Subpart C Section 15.247**  
 Date of receipt of test sample..... : Jan 11, 2015  
 Date of testing..... : Jan 12, 2015- Jun 12, 2015  
 Date of issue..... : Jun 12, 2015  
**Result**..... : **PASS**

Compiled by  
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*Any Yang*

Supervised by  
 (position+printedname+signature)..... : Project Engineer Lion Cai

*Lion Cai*

Approved by  
 ( position+printed name+signature).. : RF Manager Hans Hu

*Hans Hu*

**Testing Laboratory Name** ..... : **Shenzhen Huatongwei International Inspection Co., Ltd**  
 Address..... : Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen,  
 China

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# **1. TEST STANDARDS AND TEST DESCRIPTION**

## **1.1. Test Standards**

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

[ANSI C63.10-2009](#): American National Standard for Testing Unlicensed Wireless Devices

## **1.2. Test Description**

| ReportSection | Test Item           | Section in CFR 47 | Result |
|---------------|---------------------|-------------------|--------|
| 4.1           | Antenna Requirement | 15.203/15.247 (c) | Pass   |
| 4.10/4.11     | Radiated Emission   | 15.247(d)/15.209  | Pass   |

Remark: The measurement uncertainty is not included in the test result.

## 2. SUMMARY

### 2.1. Client Information

|               |  |
|---------------|--|
| Applicant:    | SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  |
| Address:      | Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR CHINA |
| Manufacturer: | SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  |
| Address:      | Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen, PR CHINA |

### 2.2. Product Description

|                      |   |
|----------------------|---|
| Name of EUT          | Internet Tablet   |
| Trade Mark:          | TMAX,APEX,DOPO,NOBIS,DAGE,NUVISION  |
| Model No.:           | M8025   |
| Listed Model(s):     | DPW8A-BT,DPW8B-BT,DPW8D-BT,DPW8C-BT,TM800A540L, TM800A550L,TM8A560L,NB8005C,NB8006C,NB8007A |
| Power supply:        | DC 3.7V From internal battery   |
| Adapter information: | Mode: JK050200-S04USA<br>Input:AC 100-240V 50/60Hz 0.5A<br>Output:DC 5.0V 2000mA            |
| <b>Bluetooth</b>     |   |
| Version:             | Supported BT4.0+EDR   |
| Modulation:          | GFSK, $\pi/4$ DQPSK, 8DPSK  |
| Operation frequency: | 2402MHz~2480MHz   |
| Channel number:      | 79  |
| Channel separation:  | 1MHz  |
| Antenna type:        | Internal Antenna  |
| Antenna gain:        | 1.16dBi   |

#### Report Version:

This copy was issued base on TRE1501004402(Issued data:2015-01-21)

Only the data of test item Spurious Emission (radiated) was updated.Others data was same as original report.  
Some new models were added in the new report.

### 2.3. Operation state

#### ◆ Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

| Channel | Frequency (MHz) |
|---------|-----------------|
| 0       | 2402            |
| 1       | 2403            |
| ⋮       | ⋮               |
| 39      | 2441            |
| ⋮       | ⋮               |
| 77      | 2479            |
| 78      | 2480            |

#### ◆ Test mode

For RF test items:

the engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions:

the EUT was set to connect with the Bluetooth under large package sizes transmission.

### 2.4. EUT configuration

**The following peripheral devices and interface cables were connected during the measurement:**

● - supplied by the manufacturer

○ - supplied by the lab

|                       |             |                |   |
|-----------------------|-------------|----------------|---|
| <input type="radio"/> | Power Cable | Length (m) :   | / |
|                       |             | Shield :       | / |
|                       |             | Detachable :   | / |
| <input type="radio"/> | Multimeter  | Manufacturer : | / |
|                       |             | Model No. :    | / |

### 2.5. Modifications

No modifications were implemented to meet testing criteria.

### **3. TEST ENVIRONMENT**

#### **3.1. Address of the test laboratory**

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming)  
Address: Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen, China  
Phone: 86-755-26748019 Fax: 86-755-26748089

#### **3.2. Test Facility**

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

##### **CNAS-Lab Code: L1225**

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: Mar. 01, 2012. Valid time is until February 28, 2015.

##### **A2LA-Lab Cert. No. 2243.01**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sept 30, 2015.

##### **FCC-Registration No.: 662850**

Shenzhen Huatongwei International Inspection 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 662850, Renewal date Jul. 01, 2012, valid time is until Jun. 01, 2015.

##### **FCC-Registration No.: 317478**

Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming 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 317478, Renewal date July 18, 2014, valid time is until July. 18, 2017.

##### **IC-Registration No.: 5377A**

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

##### **IC-Registration No.: 5377B**

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming EMC Laboratory) has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on September 3, 2014, valid time is until September 3, 2017.

##### **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

##### **VCCI**

The 3m Semi-anechoic chamber (12.2m×7.95m×6.7m) of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.:R-2484. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 29, 2015.

Radiated disturbance above 1GHz measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-292. Date of Registration: Dec. 24, 2013. Valid time is until Dec. 23, 2016.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 19, 2015.

Telecommunication Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-1837. Date of Registration: May 07, 2013. Valid time is until May 06, 2016.

##### **DNV**

Shenzhen Huatongwei International Inspection Co., Ltd. has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025 (2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

### 3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

|                    |             |
|--------------------|-------------|
| Temperature:       | 15~35°C     |
| Relative Humidity: | 30~60 %     |
| Air Pressure:      | 950~1050mba |

### 3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

| Test Items                              | Measurement Uncertainty | Notes |
|---|-------------------------|-------|
| Transmitter power conducted             | 0.57 dB                 | (1)   |
| Transmitter power Radiated              | 2.20 dB                 | (1)   |
| Conducted spurious emission 9KHz-40 GHz | 1.60 dB                 | (1)   |
| Radiated spurious emission 9KHz-40 GHz  | 2.20 dB                 | (1)   |
| Conducted Emission 9KHz-30MHz           | 3.39 dB                 | (1)   |
| Radiated Emission 30~1000MHz            | 4.24 dB                 | (1)   |
| Radiated Emission 1~18GHz               | 5.16 dB                 | (1)   |
| Radiated Emission 18-40GHz              | 5.54 dB                 | (1)   |
| Occupied Bandwidth                      | -----                   | (1)   |

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=1.96$ .

### 3.5. Equipments Used during the Test

| Radiated Emission |                         |                              |                    |            |            |
|-------------------|-------------------------|------------------------------|--------------------|------------|------------|
| Item              | Test Equipment          | Manufacturer                 | Model No.          | Serial No. | Last Cal   |
| 1                 | Ultra-Broadband Antenna | ShwarzBeck                   | VULB9163           | 538        | 2014/11/01 |
| 2                 | EMI TEST RECEIVER       | Rohde&Schwarz                | ESI 26             | 100009     | 2014/11/01 |
| 3                 | EMI TEST Software       | Audix                        | E3                 | N/A        | N/A        |
| 4                 | TURNTABLE               | ETS                          | 2088               | 2149       | N/A        |
| 5                 | ANTENNA MAST            | ETS                          | 2075               | 2346       | N/A        |
| 6                 | EMI TEST Software       | Rohde&Schwarz                | ESK1               | N/A        | N/A        |
| 7                 | HORNANTENNA             | ShwarzBeck                   | 9120D              | 1011       | 2014/11/01 |
| 8                 | Amplifer                | Sonoma                       | 310N               | E009-13    | 2014/11/01 |
| 9                 | JS amplifer             | Rohde&Schwarz                | JS4-00101800-28-5A | F201504    | 2014/11/01 |
| 10                | High pass filter        | Compliance Direction systems | BSU-6              | 34202      | 2014/11/01 |
| 11                | HORNANTENNA             | ShwarzBeck                   | 9120D              | 1012       | 2014/11/01 |
| 12                | Amplifer                | Compliance Direction systems | PAP1-4060          | 120        | 2014/11/01 |
| 13                | Loop Antenna            | Rohde&Schwarz                | HFH2-Z2            | 100020     | 2014/11/01 |
| 14                | TURNTABLE               | MATURO                       | TT2.0              | ----       | N/A        |
| 15                | ANTENNA MAST            | MATURO                       | TAM-4.0-P          | ----       | N/A        |
| 16                | Horn Antenna            | SCHWARZBECK                  | BBHA9170           | 25841      | 2014/11/01 |
| 17                | ULTRA-BROADBAND ANTENNA | Rohde&Schwarz                | HL562              | 100015     | 2014/11/01 |

The Cal.Interval was one year



## 4. TEST CONDITIONS AND RESULTS

### 4.1. Antenna requirement

#### Requirement

##### **FCC CFR Title 47 Part 15 Subpart C Section 15.203:**

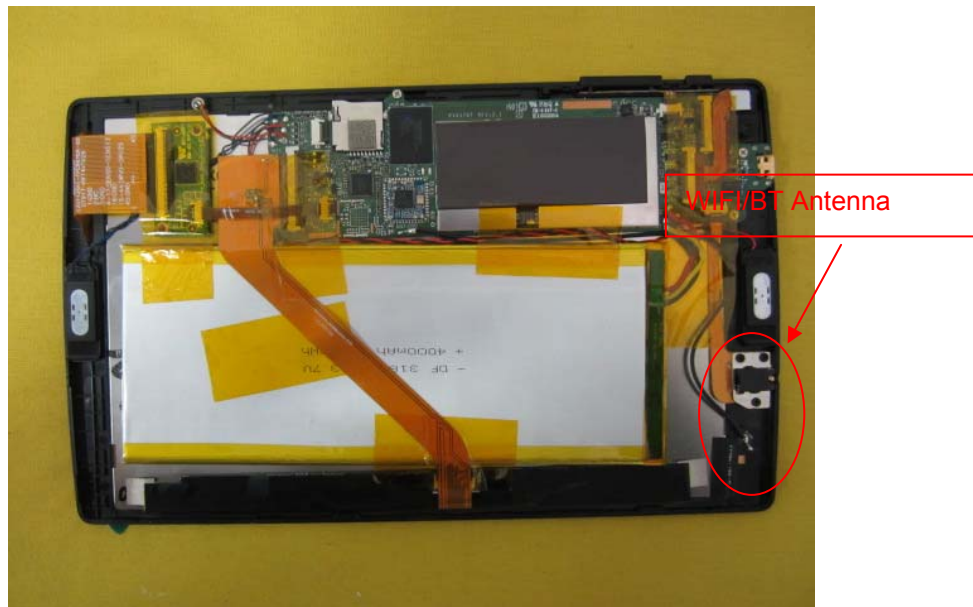
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

##### **FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):**

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### Test Result:

The antenna is integral antenna, the best case gain of the antenna is 1.16dBi



## 4.2. Spurious Emission (radiated)

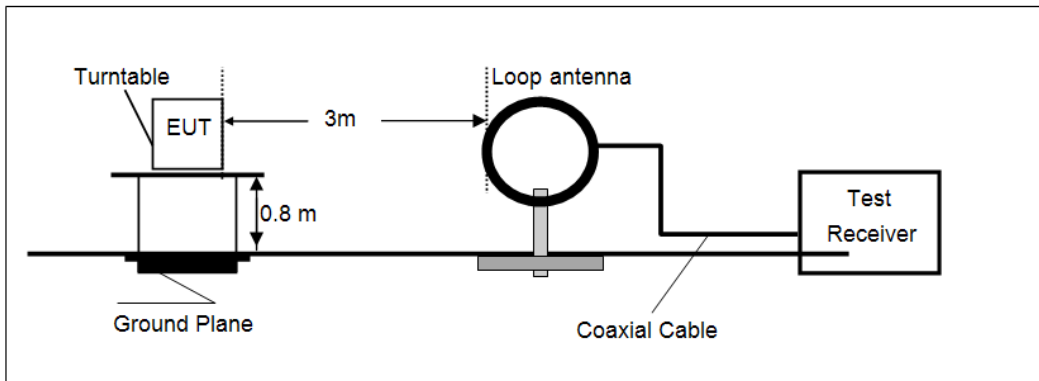
### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

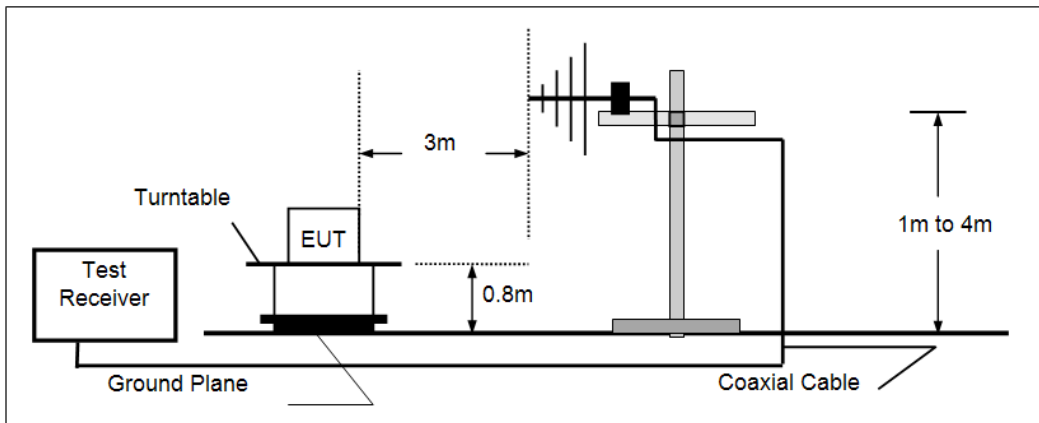
| Frequency     | Limit (dBuV/m @3m) | Value      |
|---------------|--------------------|------------|
| 30MHz-88MHz   | 40.00              | Quasi-peak |
| 88MHz-216MHz  | 43.50              | Quasi-peak |
| 216MHz-960MHz | 46.00              | Quasi-peak |
| 960MHz-1GHz   | 54.00              | Quasi-peak |
| Above 1GHz    | 54.00              | Average    |
|               | 74.00              | Peak       |

### TEST CONFIGURATION

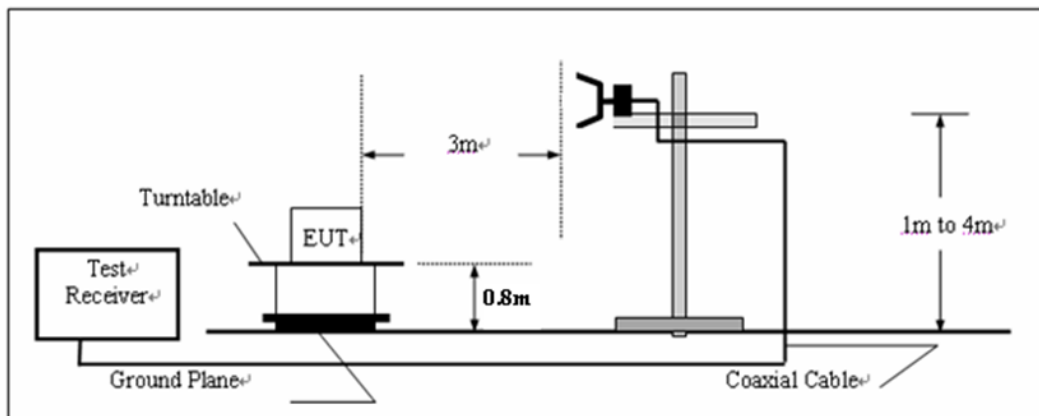
◆ Below 30MHz



◆ 30MHz~1000MHz



◆ Above 1GHz



## **TEST PROCEDURE**

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotating table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings
  - a) Span shall be wide enough to fully capture the emission being measured;
  - b) Below 1GHz, RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold;  
*If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.*
  - c) Above 1GHz, RBW=1MHz, VBW=3MHz for Peak value  
RBW=1MHz, VBW=10Hz for Average value.

## **TEST RESULTS**

*Noted:*

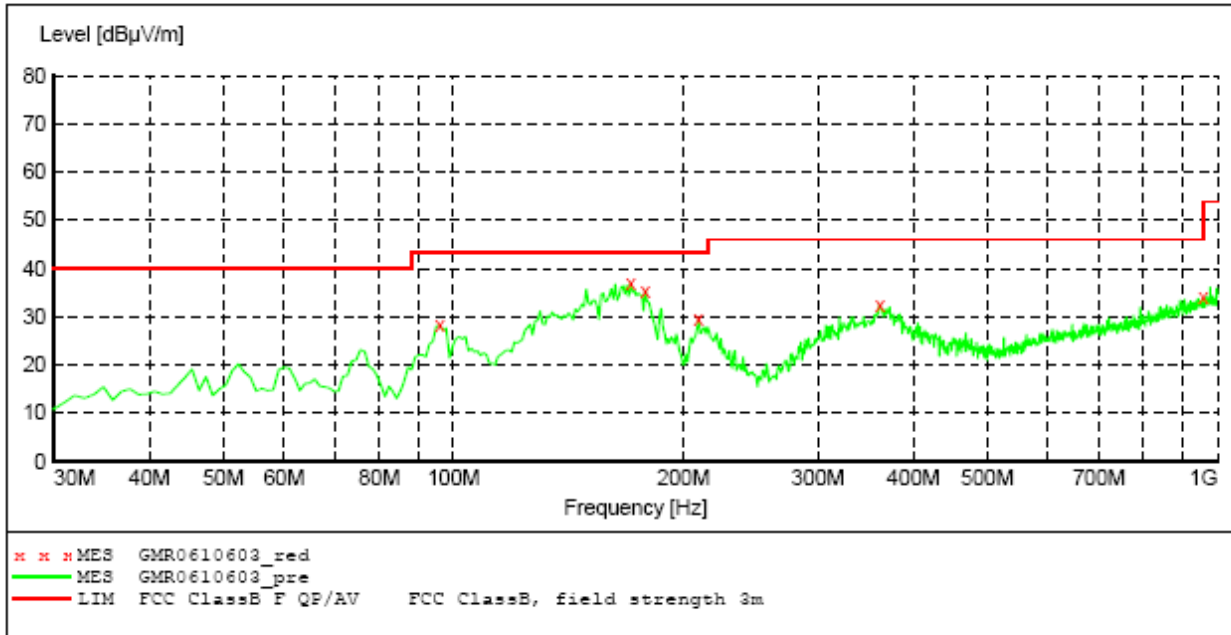
*Have pre-scan all modulation mode, found the GFSK modulation which it was worst case, so only the worst case's data on the test report.*

### **Measurement data:**

#### ■ **9kHz ~ 30MHz**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

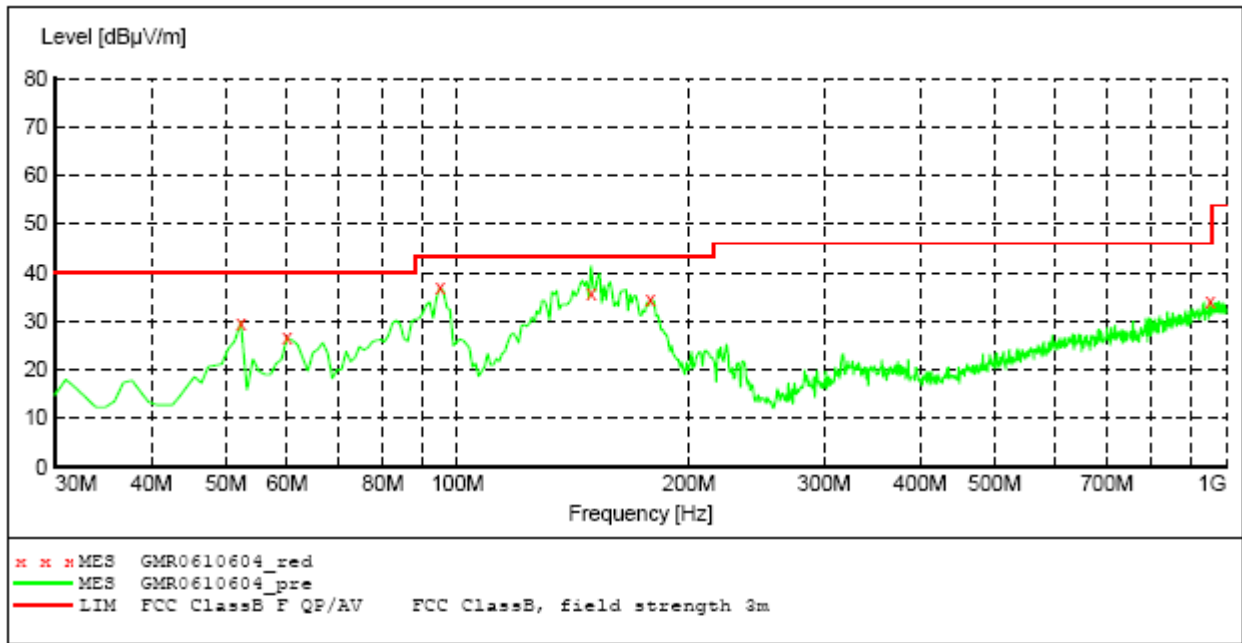
#### ■ **30MHz ~ 1GHz**



**MEASUREMENT RESULT: "GMR0610603\_red"**

6/10/2015 11:02AM

| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 95.960000        | 28.20           | -15.0        | 43.5            | 15.3         | QP   | 300.0        | 162.00         | HORIZONTAL   |
| 170.650000       | 37.00           | -16.5        | 43.5            | 6.5          | QP   | 100.0        | 175.00         | HORIZONTAL   |
| 178.410000       | 35.50           | -16.0        | 43.5            | 8.0          | QP   | 100.0        | 196.00         | HORIZONTAL   |
| 209.450000       | 29.50           | -14.0        | 43.5            | 14.0         | QP   | 100.0        | 112.00         | HORIZONTAL   |
| 361.740000       | 32.50           | -11.8        | 46.0            | 13.5         | QP   | 100.0        | 175.00         | HORIZONTAL   |
| 958.290000       | 33.90           | 3.8          | 46.0            | 12.1         | QP   | 300.0        | 225.00         | HORIZONTAL   |



**MEASUREMENT RESULT: "GMR0610604\_red"**

6/10/2015 11:04AM

| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 52.310000        | 29.70           | -14.4        | 40.0            | 10.3         | QP   | 100.0        | 134.00         | VERTICAL     |
| 60.070000        | 26.50           | -14.9        | 40.0            | 13.5         | QP   | 100.0        | 360.00         | VERTICAL     |
| 94.990000        | 36.90           | -15.2        | 43.5            | 6.6          | QP   | 100.0        | 267.00         | VERTICAL     |
| 149.310000       | 41.40           | -17.9        | 43.5            | 2.1          | QP   | 100.0        | 114.00         | VERTICAL     |
| 178.410000       | 34.40           | -16.0        | 43.5            | 9.1          | QP   | 100.0        | 226.00         | VERTICAL     |
| 953.440000       | 34.20           | 3.7          | 46.0            | 11.8         | QP   | 100.0        | 352.00         | VERTICAL     |

| CH00 for GFSK   |                   |                       |                 |                    |                |                     |                   |              |            |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-------------------|--------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin Limit (dB) | Polarization | Test value |
| 4804.00         | 4804.00           | 38.44                 | 31.28           | 5.66               | 35.29          | 40.09               | 74.00             | Vertical     | Peak       |
| 7206.00         | 7206.00           | 34.38                 | 36.22           | 6.87               | 35.15          | 42.32               | 74.00             | Vertical     |            |
| 9608.00         | 9608.00           | 36.29                 | 37.85           | 8.80               | 35.55          | 47.39               | 74.00             | Vertical     |            |
| 12010.00        | 12010.00          | *                     |                 |                    |                |                     |                   | Vertical     |            |
| 4804.00         | 4804.00           | 38.67                 | 31.28           | 5.66               | 35.29          | 40.32               | 74.00             | Horizontal   |            |
| 7206.00         | 7206.00           | 35.14                 | 36.22           | 6.87               | 35.15          | 43.08               | 74.00             | Horizontal   |            |
| 9608.00         | 9608.00           | 36.95                 | 37.85           | 8.80               | 35.55          | 48.05               | 74.00             | Horizontal   |            |
| 12010.00        | *                 |                       |                 |                    |                |                     |                   | Horizontal   |            |
| 4804.00         | 32.73             | 31.28                 | 5.66            | 35.29              | 34.38          | 54.00               | -19.62            | Vertical     | Average    |
| 7206.00         | 28.65             | 36.22                 | 6.87            | 35.15              | 36.59          | 54.00               | -17.41            | Vertical     |            |
| 9608.00         | 27.24             | 37.85                 | 8.80            | 35.55              | 38.34          | 54.00               | -15.66            | Vertical     |            |
| 12010.00        | *                 |                       |                 |                    |                |                     |                   | Vertical     |            |
| 4804.00         | 32.78             | 31.28                 | 5.66            | 35.29              | 34.43          | 54.00               | -19.57            | Horizontal   |            |
| 7206.00         | 28.04             | 36.22                 | 6.87            | 35.15              | 35.98          | 54.00               | -18.02            | Horizontal   |            |
| 9608.00         | 27.84             | 37.85                 | 8.80            | 35.55              | 38.94          | 54.00               | -15.06            | Horizontal   |            |
| 12010.00        | *                 |                       |                 |                    |                |                     |                   | Horizontal   |            |

| CH39 for GFSK   |                   |                       |                 |                    |                |                     |                   |              |            |
|-----------------|-------------------|-----------------------|-----------------|--------------------|----------------|---------------------|-------------------|--------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin Limit (dB) | Polarization | Test value |
| 4882.00         | 39.32             | 30.88                 | 5.70            | 35.27              | 40.63          | 74.00               | -33.37            | Vertical     | Peak       |
| 7323.00         | 36.22             | 35.82                 | 6.91            | 35.13              | 43.82          | 74.00               | -30.18            | Vertical     |            |
| 9764.00         | 36.49             | 37.45                 | 8.84            | 35.53              | 47.25          | 74.00               | -26.75            | Vertical     |            |
| 12205.00        | *                 |                       |                 |                    |                |                     |                   | Vertical     |            |
| 4882.00         | 40.07             | 30.88                 | 5.70            | 35.27              | 41.38          | 74.00               | -32.62            | Horizontal   |            |
| 7323.00         | 36.34             | 35.82                 | 6.91            | 35.13              | 43.94          | 74.00               | -30.06            | Horizontal   |            |
| 9764.00         | 36.29             | 37.45                 | 8.84            | 35.53              | 47.05          | 74.00               | -26.95            | Horizontal   |            |
| 12205.00        | *                 |                       |                 |                    |                |                     |                   | Horizontal   |            |
| 4882.00         | 33.05             | 30.88                 | 5.70            | 35.27              | 34.36          | 54.00               | -19.64            | Vertical     | Average    |
| 7323.00         | 30.24             | 35.82                 | 6.91            | 35.13              | 37.84          | 54.00               | -16.16            | Vertical     |            |
| 9764.00         | 27.76             | 37.45                 | 8.84            | 35.53              | 38.52          | 54.00               | -15.48            | Vertical     |            |
| 12205.00        | *                 |                       |                 |                    |                |                     |                   | Vertical     |            |
| 4882.00         | 34.45             | 30.88                 | 5.70            | 35.27              | 35.76          | 54.00               | -18.24            | Horizontal   |            |
| 7323.00         | 28.49             | 35.82                 | 6.91            | 35.13              | 36.09          | 54.00               | -17.91            | Horizontal   |            |
| 9764.00         | 28.18             | 37.45                 | 8.84            | 35.53              | 38.94          | 54.00               | -15.06            | Horizontal   |            |
| 12205.00        | *                 |                       |                 |                    |                |                     |                   | Horizontal   |            |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor
2. “\*”, means this data is too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

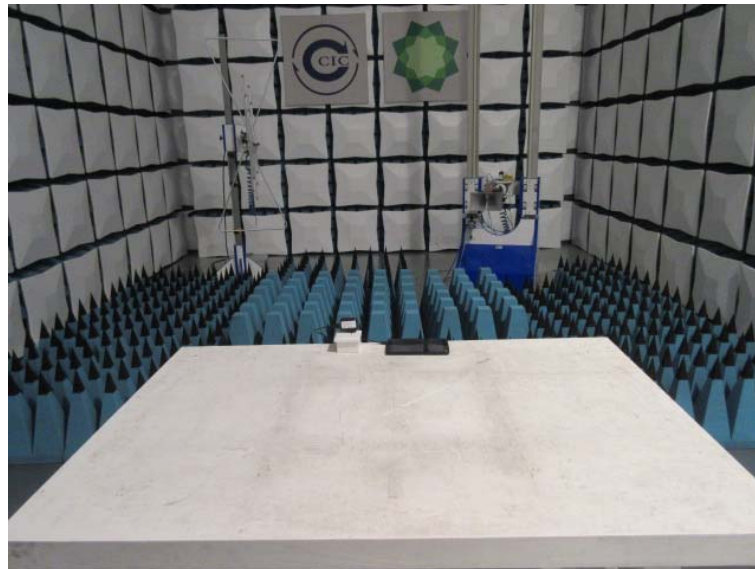
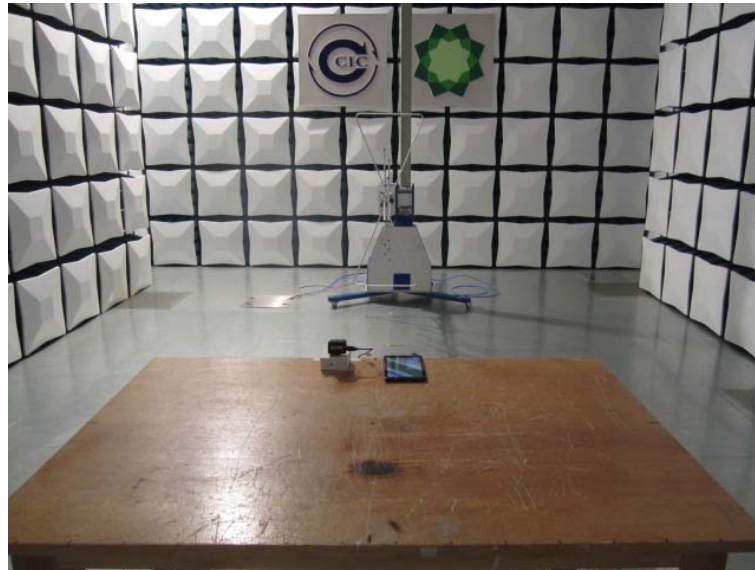
| CH78 for GFSK   |                   |                       |                 |                          |                |                     |                   |              |            |
|-----------------|-------------------|-----------------------|-----------------|--------------------------|----------------|---------------------|-------------------|--------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Margin Limit (dB) | Polarization | Test value |
| 4960.00         | 38.87             | 30.98                 | 5.73            | 35.32                    | 40.26          | 74.00               | -33.74            | Vertical     | Peak       |
| 7440.00         | 35.26             | 35.92                 | 6.94            | 35.18                    | 42.94          | 74.00               | -31.06            | Vertical     |            |
| 9920.00         | 36.54             | 37.55                 | 8.87            | 35.58                    | 47.38          | 74.00               | -26.62            | Vertical     |            |
| 12400.00        | *                 |                       |                 |                          |                |                     |                   | Vertical     |            |
| 4960.00         | 39.59             | 30.98                 | 5.73            | 35.32                    | 40.98          | 74.00               | -33.02            | Horizontal   |            |
| 7440.00         | 36.16             | 35.92                 | 6.94            | 35.18                    | 43.84          | 74.00               | -30.16            | Horizontal   |            |
| 9920.00         | 36.85             | 37.55                 | 8.87            | 35.58                    | 47.69          | 74.00               | -26.31            | Horizontal   |            |
| 12400.00        | *                 |                       |                 |                          |                |                     |                   | Horizontal   |            |
| 4960.00         | 32.82             | 30.98                 | 5.73            | 35.32                    | 34.21          | 54.00               | -19.79            | Vertical     | Average    |
| 7440.00         | 29.01             | 35.92                 | 6.94            | 35.18                    | 36.69          | 54.00               | -17.31            | Vertical     |            |
| 9920.00         | 27.00             | 37.55                 | 8.87            | 35.58                    | 37.84          | 54.00               | -16.16            | Vertical     |            |
| 12400.00        | *                 |                       |                 |                          |                |                     |                   | Vertical     |            |
| 4960.00         | 32.93             | 30.98                 | 5.73            | 35.32                    | 34.32          | 54.00               | -19.68            | Horizontal   |            |
| 7440.00         | 29.30             | 35.92                 | 6.94            | 35.18                    | 36.98          | 54.00               | -17.02            | Horizontal   |            |
| 9920.00         | 27.50             | 37.55                 | 8.87            | 35.58                    | 38.34          | 54.00               | -15.66            | Horizontal   |            |
| 12400.00        | *                 |                       |                 |                          |                |                     |                   | Horizontal   |            |

## Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *“\*”*, means this data is the too weak instrument of signal is unable to test.
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

## 5. Test Setup Photos of the EUT

Radiated Emission



## 6. External and Internal Photos of the EUT

*Reference to Test Report TRE1506003501*

.....End of Report.....