

# FCC PART 15 SUBPART C

MAGNETIC WIRELESS SPEAKER

MODEL No.: i28

FCC ID: 2BYE6-I28

REPORT NO.: SZNTT26035931E1-2

ISSUE DATE: Sept. 23, 2026

*Prepared for*

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## TEST REPORT DESCRIPTION

Applicant : ShenZhen ZhiSheng Digital Technology Co., LTD.

Address : Room 117, 1st Floor, Building U4, Intelligent Manufacturing High-tech Industrial Park, U8, Hangcheng Avenue, Xixiang Street, Bao'an District, Shenzhen

Manufacturer : ShenZhen ZhiSheng Digital Technology Co., LTD.

Address : Room 117, 1st Floor, Building U4, Intelligent Manufacturing High-tech Industrial Park, U8, Hangcheng Avenue, Xixiang Street, Bao'an District, Shenzhen

EUT : MAGNETIC WIRELESS SPEAKER

Model Name : i28

Trademark : N/A

Measurement Procedure Used:

| APPLICABLE STANDARDS          |             |
|-------------------------------|-------------|
| STANDARD                      | TEST RESULT |
| FCC 47 CFR Part 15, Subpart C | PASS        |

The above equipment was tested by Shenzhen NTT Testing Technology Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15C

The test results of this report relate only to the tested sample identified in this report.

Prepared by (Test Engineer):  
Cindy Qin

Gang Lu

Reviewer (Supervisor):  
Cindy Qin

Cindy Qin

Approved (Manager):  
Abel Yu

Abel Yu



## Modified Information

| Version | Report No.        | Revision Data  | Summary          |
|---------|-------------------|----------------|------------------|
| Ver.1.0 | SZNTT26035931E1-2 | Sept. 13, 2026 | Original Version |
|         |                   |                |                  |



## 1. SUMMARY OF TEST RESULTS

| Test Item                        | Section in CFR 47 | Result |
|----------------------------------|-------------------|--------|
| Antenna requirement              | 15.203            | Pass   |
| AC Power Line Conducted Emission | 15.207            | Pass   |
| Spurious Emission                | 15.209            | Pass   |
| 20dB Bandwidth                   | 15.215            | Pass   |



## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

EUT : MAGNETIC WIRELESS SPEAKER

Model Number : i28  
Model different : N/A

Power Rating : Input: DC 5V/3A, DC 9V/2A  
Wireless Output: 5W, 10W, 15W Max  
Battery: DC 3.7V, 2000mAh, 7.4Wh

Operation : 111-205 kHz  
Frequency for WPT

Modulation : ASK

Antenna Type: : Coil Antenna

Date of Received : Aug. 25, 2026

Date of Test : Aug. 25, 2026 to Sept. 23, 2026

### 2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment                 | Mfr/Brand | Model/Type No. | Series No. | Note      |
|------|---------------------------|-----------|----------------|------------|-----------|
| E-1  | MAGNETIC WIRELESS SPEAKER | N/A       | i28            | N/A        | EUT       |
| A-2  | Load                      | YBZ       | /              | N/A        | Auxiliary |
| A-3  | Adapter                   | OMIX      | X2903          | N/A        | Auxiliary |

Note: (1)The support equipment was authorized by Declaration of Confirmation.  
(2)For detachable type I/O cable should be specified the length in cm in 『Length』 column.



### 2.3. Independent Operation Modes

| Mode                                                                              | Description                        |
|-----------------------------------------------------------------------------------|------------------------------------|
| 1                                                                                 | AC/DC Adapter + EUT + iPhone (15W) |
| 2                                                                                 | AC/DC Adapter + EUT + iPhone (10W) |
| 3                                                                                 | AC/DC Adapter + EUT + iPhone (5W)  |
| Remark:<br>1 All the modes have tested and recorded the worst mode in the report. |                                    |



## 2.4. Test Mode

| Test Items | Test Voltage | Operation Modes |
|------------|--------------|-----------------|
| RE         | DC 9V        | Mode 1          |
| CE         | DC 9V        | Mode 1          |

## 2.5. Description of Test Facility

Site  
Description

Designation Number: CN3446  
Test Firm Registration Number: 129414  
EMC Lab. : Accredited by ANAB, Dec. 19, 2025  
The Certificate Registration Number is AT-3446  
Name of Firm : Shenzhen NTT Testing Technology Co., Ltd.  
Site Location : 1B, Building 2, Factory Building & 103, Building 3, Factory Building,  
Dayang Industrial Park No.4, Industrial Avenue, Tangwei Community,  
Fuhai Sub-district, Bao 'an District, Shenzhen City, China



## 2.6. Measurement Uncertainty

| Parameter                                                                                                                                                                                                                                                 | Uncertainty              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| RF output power, conducted                                                                                                                                                                                                                                | $\pm 1.0\text{dB}$       |
| Power Spectral Density, conducted                                                                                                                                                                                                                         | $\pm 2.2\text{dB}$       |
| Radio Frequency                                                                                                                                                                                                                                           | $\pm 1 \times 10^{-6}$   |
| Bandwidth                                                                                                                                                                                                                                                 | $\pm 1.5 \times 10^{-6}$ |
| Time                                                                                                                                                                                                                                                      | $\pm 2\%$                |
| Duty Cycle                                                                                                                                                                                                                                                | $\pm 2\%$                |
| Temperature                                                                                                                                                                                                                                               | $\pm 1^\circ\text{C}$    |
| Humidity                                                                                                                                                                                                                                                  | $\pm 5\%$                |
| DC and low frequency voltages                                                                                                                                                                                                                             | $\pm 3\%$                |
| Conducted Emissions (150kHz~30MHz)                                                                                                                                                                                                                        | $\pm 3.64\text{dB}$      |
| Radiated Emission(9KHz~30MHz)                                                                                                                                                                                                                             | $\pm 4.51\text{dB}$      |
| Radiated Emission(30MHz~1GHz)                                                                                                                                                                                                                             | $\pm 5.03\text{dB}$      |
| Radiated Emission(1GHz~25GHz)                                                                                                                                                                                                                             | $\pm 4.74\text{dB}$      |
| Remark:When making a conformity declaration based on test results for regulations/standards or specifications,the default is to use Clause 4.2.1of ILAC-G8:09/2019 and the guidelines on decision rules and conformity declaration in IEC Guide 115:2023. |                          |

### 3. MEASURING DEVICE AND TEST EQUIPMENT

#### Conducted Test Site

| Name              | Model No. | Serial No. | Manufacturer  | Date of Cal.             | Due Date                 |
|-------------------|-----------|------------|---------------|--------------------------|--------------------------|
| 944 Shielded Room | HSRCE944  | /          | HTEC          | 2025/4/30                | 2028/4/29                |
| EMI Test Receiver | ESCI      | 100881/003 | ROHDE&SCHWARZ | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| LISN              | AMN6500   | 101185     | ROHDE&SCHWARZ | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| LISN              | NNLK 8129 | 00603      | SCHWARZBECK   | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable             | RG223-2M  | /          | RG            | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |

#### Radiated Test Site(Below 1G and Above 1G)&RF Test Site

| Name                                                | Model No.       | Serial No.     | Manufacturer    | Date of Cal.             | Due Date                 |
|-----------------------------------------------------|-----------------|----------------|-----------------|--------------------------|--------------------------|
| 966 Shielded Room                                   | 966 Room        | /              | EMToni          | 2025/7/24                | 2028/7/23                |
| EMI Test Receiver                                   | ESPI            | 101018         | ROHDE&SCHWARZ   | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Amplifier<br>(30MHz-1GHz)                           | BBV 9745        | 00431          | SCHWARZBECK     | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Bilog Antenna<br>(30MHz-1GHz)                       | VULB9168        | 1858           | SCHWARZBECK     | 2025/09/09<br>2026/09/05 | 2026/09/08<br>2027/09/04 |
| Horn antenna<br>(1GHz-18GHz)                        | BBHA 9120 D     | 02622          | SCHWARZBECK     | 2025/09/09<br>2026/09/05 | 2026/09/08<br>2027/09/04 |
| Preamplifier<br>(1GHz-18GHz)                        | BBV 9718D       | 0024           | SCHWARZBECK     | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Spectrum Analyzer<br>(10Hz-40GHz)                   | FSV 40          | 100952         | Rohde & Schwarz | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Preamplifier<br>(18GHz-40GHz)                       | BBV 9721        | 0056           | SCHWARZBECK     | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Double Ridge Guide<br>Horn Antenna<br>(18GHz-40GHz) | SAS-574         | 588            | A.H.System      | 2025/09/08<br>2026/09/05 | 2026/09/07<br>2027/09/04 |
| Loop Antenna<br>(9KHz-30MHz)                        | FMZB<br>1513-60 | 00115          | SCHWARZBECK     | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| MXG Signal Analyzer                                 | N9020A          | MY491007<br>30 | Agilent         | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| MXG Vector Signal<br>Generator                      | N5182A          | MY501449<br>20 | Agilent         | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| WIDEBAND RADIO<br>COMMUNICATION<br>TESTER           | CMW500          | /              | ROHDE&SCHWARZ   | 2025/09/08<br>2026/09/07 | 2026/09/07<br>2027/09/06 |



|              |                        |                    |          |                          |                          |
|--------------|------------------------|--------------------|----------|--------------------------|--------------------------|
| Power Sensor | MW100-RFCB<br>-2       | MW260105<br>NTT-64 | MWRFtest | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| RF Swith     | MW100-RFCB<br>-1       | MW260105<br>NTT-64 | MWRFtest | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable        | RG223-3M               | /                  | DA       | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable        | RG223-12M              | /                  | DA       | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable        | SFT205-NMM<br>MSW-2.5M | /                  | DA       | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable        | SFT205-NMM<br>M-12M    | /                  | DA       | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |
| Cable        | UCA500-NJW<br>SM-1.5M  | 017                | MWRFtest | 2025/09/08<br>2026/09/04 | 2026/09/07<br>2027/09/03 |

Test software

| Item | Name                         | Manufacturer | Model  | Software version   |
|------|------------------------------|--------------|--------|--------------------|
| 1    | EMC Conduction Test System   | FALA         | EZ-EMC | Ver.EMC-CON 3A1.1+ |
| 2    | EMC radiation test system    | FALA         | EZ-EMC | Ver.FA-03A2 RE+    |
| 3    | RF test system               | TACHOY       | RFTest | V1.0.0             |
| 4    | RF communication test system | TACHOY       | RFTest | V1.0.0             |



## 4. 20DB BANDWIDTH

### 4.1. Test Procedure

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 1-5%OBW.

Set the video bandwidth (VBW) =3RBW.

Set Span= 1KHz

Set Detector = Peak.

Set Trace mode = Max hold.

Set Sweep = auto couple.

Measure and record the results in the test report.

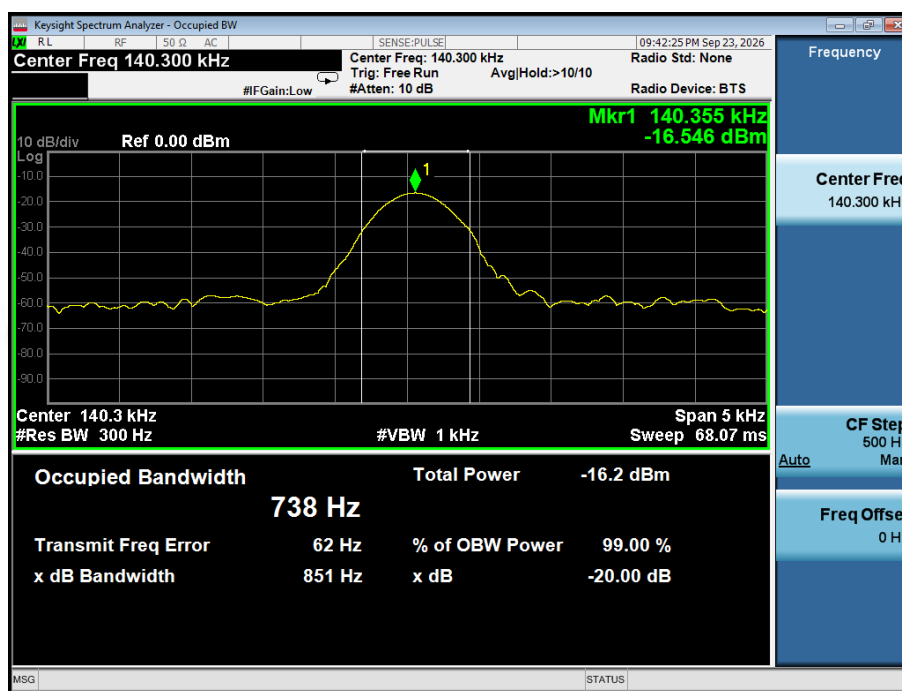
Note: The measured signal is Cw-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300Hz and VBW is set to 1kHz to perform the occupied bandwidth test.

### 4.2. Test Setup



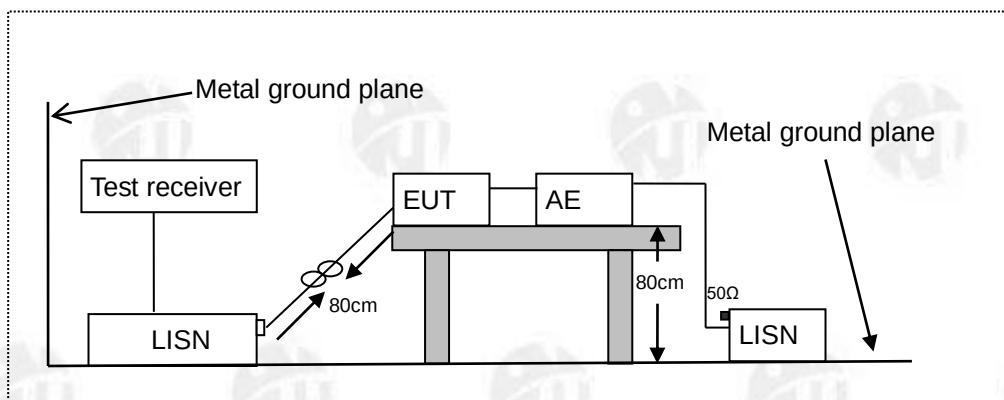
### 4.3. Test Results

| Frequency (KHz) | 20dB bandwidth (Hz) | 99% bandwidth (Hz) | Result |
|-----------------|---------------------|--------------------|--------|
| 140.355         | 851                 | 738                | Pass   |



## 5. POWER LINE CONDUCTED EMISSION MEASUREMENT

### 5.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment

EUT: Equipment under test

### 5.2. Limits

FCC Part 15.207

| Frequency<br>(MHz) | Limit (dB $\mu$ V) |               |
|--------------------|--------------------|---------------|
|                    | Quasi-peak Level   | Average Level |
| 0.15 ~ 0.50        | 66.0 ~ 56.0 *      | 56.0 ~ 46.0 * |
| 0.50 ~ 5.00        | 56.0               | 46.0          |
| 5.00 ~ 30.00       | 60.0               | 50.0          |

NOTE1-The lower limit shall apply at the transition frequencies.  
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

### 5.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.



All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

Emission Level (dBμV) = LISN Factor (dB) + Cable Loss (dB) + Reading (dBμV)

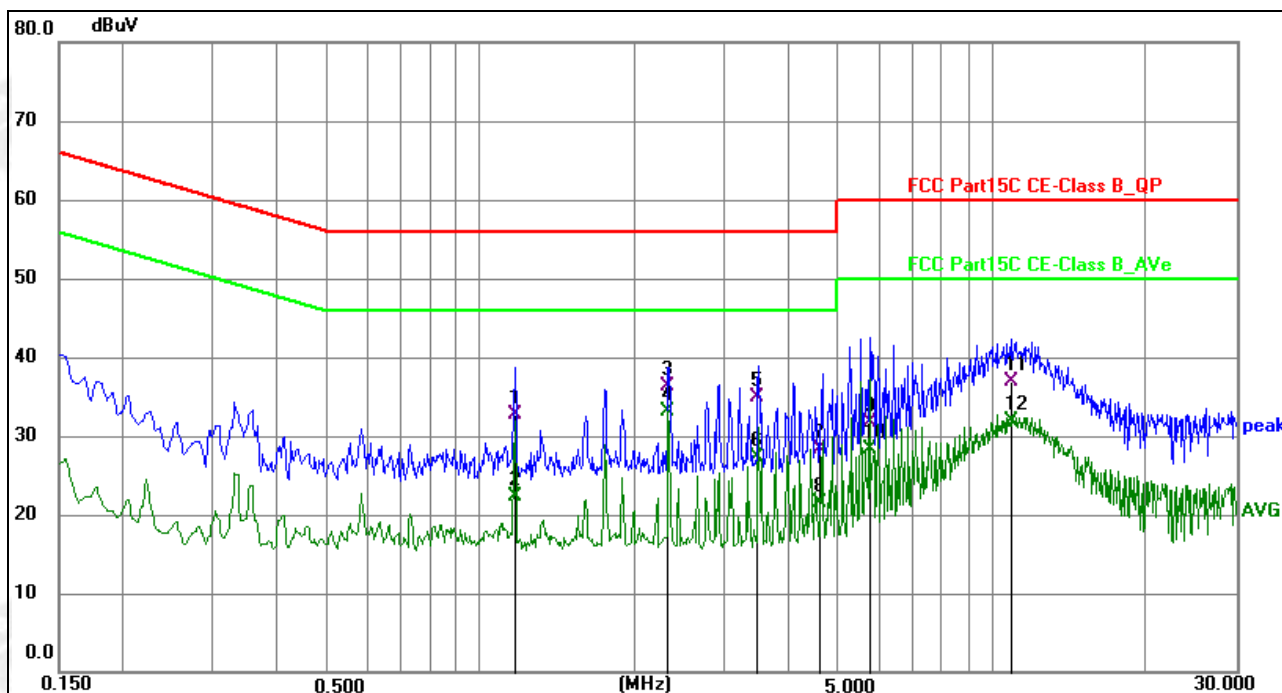
Margin (dB) = Emission Level (dBμV) - Limit (dBμV)

#### 5.4. Measuring Results

PASS.



|               |                                 |                    |        |
|---------------|---------------------------------|--------------------|--------|
| Temperature:  | 26.1°C                          | Relative Humidity: | 54%    |
| Pressure:     | 101kPa                          | Phase:             | L      |
| Test Voltage: | DC 9V from adapter AC 120V/60Hz | Mode:              | Mode 1 |



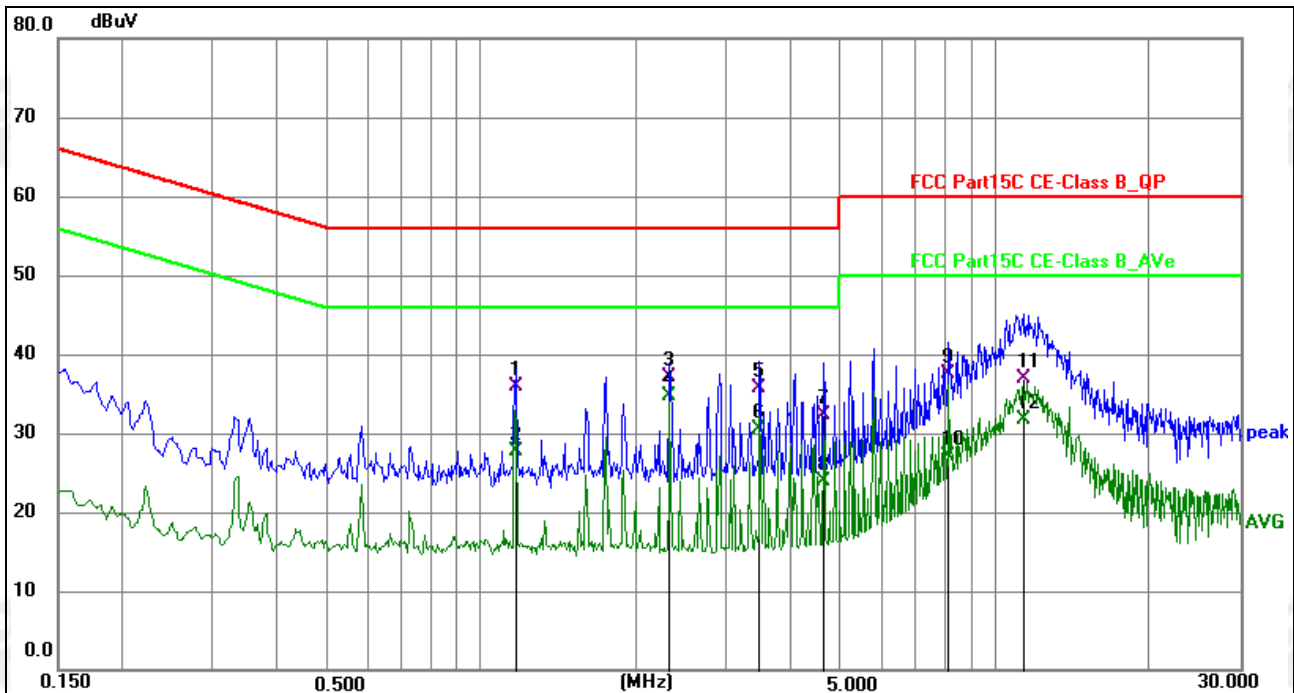
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 1.1756          | 13.01          | 19.68       | 32.69        | 56.00        | -23.31      | QP       |
| 2   | 1.1756          | 2.53           | 19.68       | 22.21        | 46.00        | -23.79      | AVG      |
| 3   | 2.3333          | 16.64          | 19.69       | 36.33        | 56.00        | -19.67      | QP       |
| 4 * | 2.3333          | 13.50          | 19.69       | 33.19        | 46.00        | -12.81      | AVG      |
| 5   | 3.4877          | 15.24          | 19.71       | 34.95        | 56.00        | -21.05      | QP       |
| 6   | 3.4877          | 7.66           | 19.71       | 27.37        | 46.00        | -18.63      | AVG      |
| 7   | 4.6412          | 8.62           | 19.73       | 28.35        | 56.00        | -27.65      | QP       |
| 8   | 4.6412          | 1.79           | 19.73       | 21.52        | 46.00        | -24.48      | AVG      |
| 9   | 5.7619          | 11.96          | 19.73       | 31.69        | 60.00        | -28.31      | QP       |
| 10  | 5.7619          | 8.66           | 19.73       | 28.39        | 50.00        | -21.61      | AVG      |
| 11  | 10.8526         | 17.15          | 19.77       | 36.92        | 60.00        | -23.08      | QP       |
| 12  | 10.8526         | 12.05          | 19.77       | 31.82        | 50.00        | -18.18      | AVG      |

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Measurement Level = Reading level + Correct Factor



|               |                                 |                    |        |
|---------------|---------------------------------|--------------------|--------|
| Temperature:  | 26.1°C                          | Relative Humidity: | 54%    |
| Pressure:     | 101kPa                          | Phase:             | N      |
| Test Voltage: | DC 9V from adapter AC 120V/60Hz | Mode:              | Mode 1 |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 1.1682          | 16.17          | 19.68       | 35.85        | 56.00        | -20.15      | QP       |
| 2   | 1.1682          | 7.95           | 19.68       | 27.63        | 46.00        | -18.37      | AVG      |
| 3   | 2.3246          | 17.37          | 19.69       | 37.06        | 56.00        | -18.94      | QP       |
| 4 * | 2.3246          | 14.98          | 19.69       | 34.67        | 46.00        | -11.33      | AVG      |
| 5   | 3.4812          | 16.10          | 19.70       | 35.80        | 56.00        | -20.20      | QP       |
| 6   | 3.4812          | 10.71          | 19.70       | 30.41        | 46.00        | -15.59      | AVG      |
| 7   | 4.6369          | 12.65          | 19.73       | 32.38        | 56.00        | -23.62      | QP       |
| 8   | 4.6369          | 4.20           | 19.73       | 23.93        | 46.00        | -22.07      | AVG      |
| 9   | 8.1486          | 17.75          | 19.76       | 37.51        | 60.00        | -22.49      | QP       |
| 10  | 8.1486          | 7.44           | 19.76       | 27.20        | 50.00        | -22.80      | AVG      |
| 11  | 11.4131         | 17.06          | 19.79       | 36.85        | 60.00        | -23.15      | QP       |
| 12  | 11.4131         | 11.92          | 19.79       | 31.71        | 50.00        | -18.29      | AVG      |

Notes:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Measurement Level = Reading level + Correct Factor

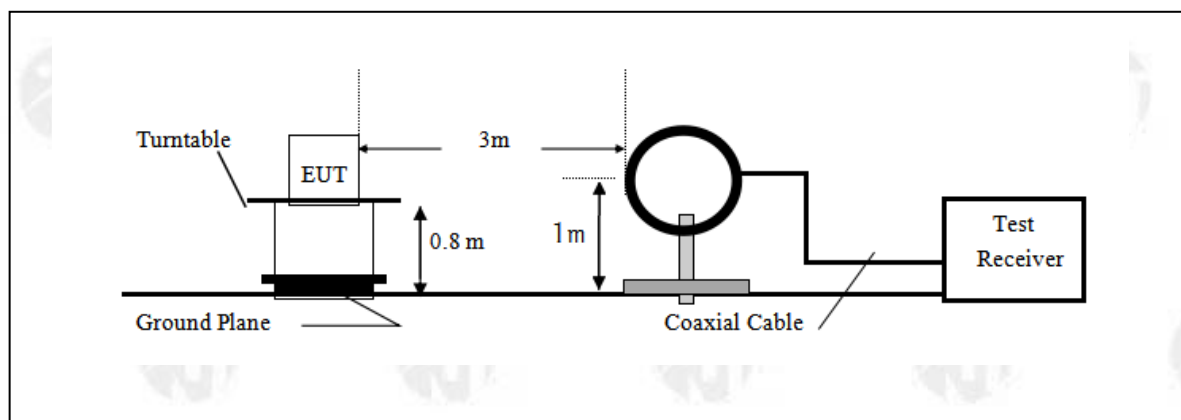
## 6. RADIATED EMISSION TEST

### 6.1. Measurement Procedure

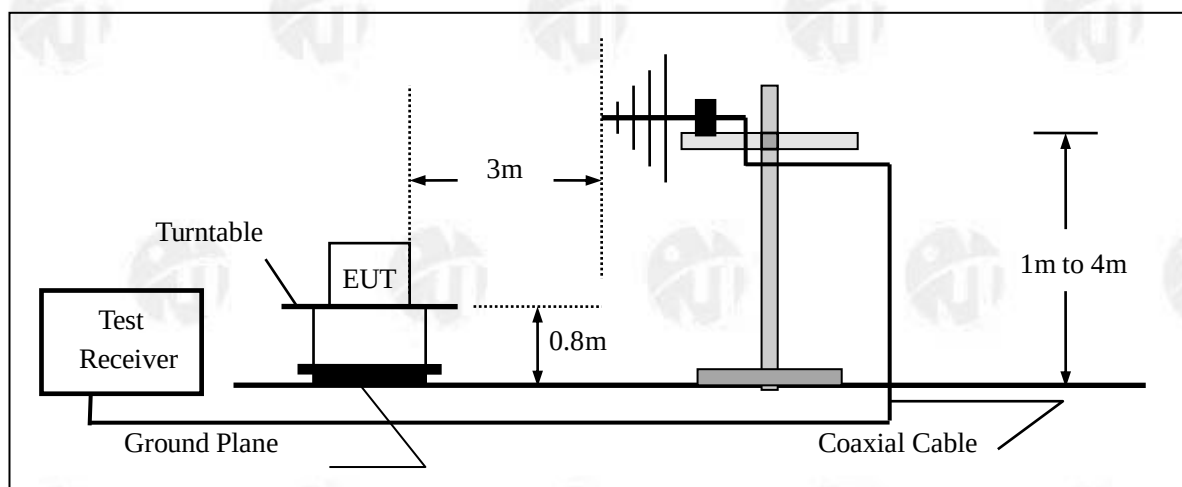
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.
5. Use the following receiver/spectrum analyzer settings:  
Span = wide enough to fully capture the emission being measured  
RBW=200Hz for 9KHz to 150KHz,  
RBW=9kHz for 150KHz to 30MHz,  
RBW=120KHz for 30MHz to 1GHz  
VBW  $\geq 3 \times$  RBW  
Sweep = auto  
Detector function = QP  
Trace = max hold

### 6.2. Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



### 6.3. Radiated Emission Limit

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

| FCC Part 15.209    |                              |      |                                                                    |                                   |
|--------------------|------------------------------|------|--------------------------------------------------------------------|-----------------------------------|
| Frequency<br>(MHz) | Field Strength<br>Limitation |      | Field Strength Limitation Frequency tion at 3m<br>Measurement Dist |                                   |
|                    | (uV/m)                       | Dist | (uV/m)                                                             | (dBuV/m)                          |
| 0.009 – 0.490      | $2400 / F(\text{KHz})$       | 300m | $10000 * 2400/F(\text{KHz})$                                       | $20\log 2400/F(\text{KHz}) + 80$  |
| 0.490 – 1.705      | $24000 / F(\text{KHz})$      | 30m  | $100 * 24000/F(\text{KHz})$                                        | $20\log 24000/F(\text{KHz}) + 40$ |
| 1.705 – 30.00      | 30                           | 30m  | $100 * 30$                                                         | $20\log 30 + 40$                  |
| 30.0 – 88.0        | 100                          | 3m   | 100                                                                | $20\log 100$                      |
| 88.0 – 216.0       | 150                          | 3m   | 150                                                                | $20\log 150$                      |
| 216.0 – 960.0      | 200                          | 3m   | 200                                                                | $20\log 200$                      |
| Above 960.0        | 500                          | 3m   | 500                                                                | $20\log 500$                      |



## 15.205 Restricted bands of operation

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2690 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |

Remark: 1. Emission level in dBuV/m=20 log (uV/m)  
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.  
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of § 15.205, and the emissions located in restricted bands also comply with 15.209 limit.



## 6.4. Measurement Result

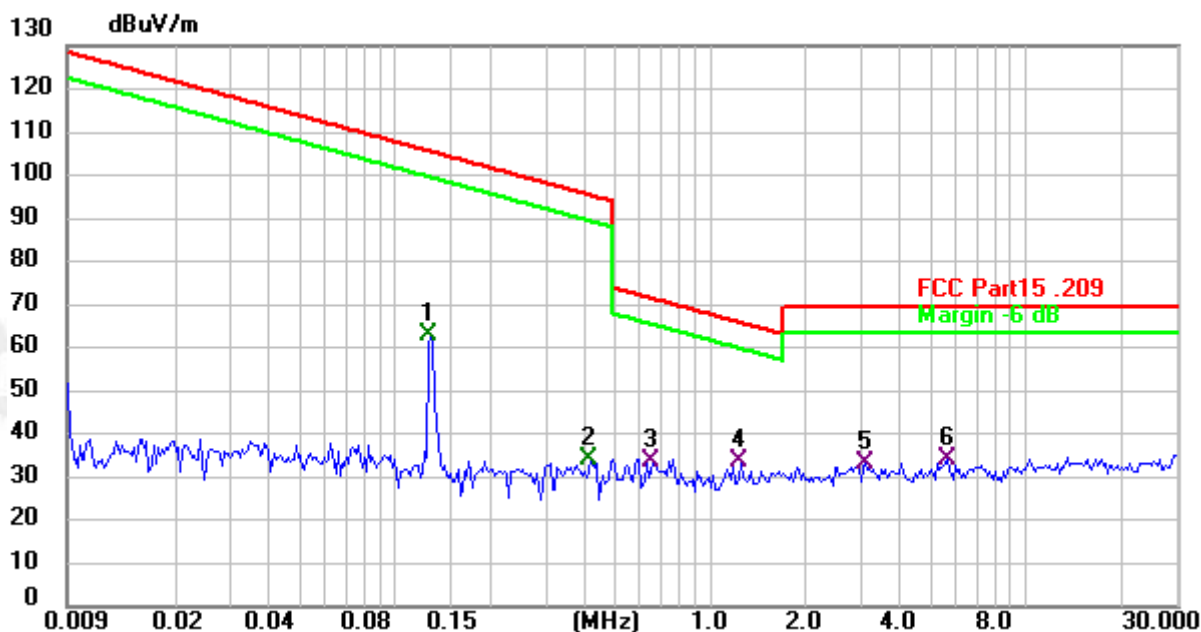
Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80

Limit dBuV/m @3m = Limit dBuV/m @30m + 40

9 kHz~30 MHz

|                |                                 |                    |          |
|----------------|---------------------------------|--------------------|----------|
| Temperature:   | 25.8°C                          | Relative Humidity: | 53%      |
| Pressure:      | 101kPa                          | Pol.               | Coplanar |
| Test Voltage : | DC 9V from adapter AC 120V/60Hz | Mode:              | Mode 1   |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 0.1287          | 62.57          | 0.26          | 62.83          | 105.41         | -42.58      | AVG      |
| 2   | 0.4140          | 33.74          | 0.18          | 33.92          | 95.26          | -61.34      | AVG      |
| 3   | 0.6521          | 33.55          | 0.14          | 33.69          | 71.32          | -37.63      | QP       |
| 4 * | 1.2478          | 33.62          | 0.11          | 33.73          | 65.68          | -31.95      | QP       |
| 5   | 3.0954          | 32.75          | 0.26          | 33.01          | 69.54          | -36.53      | QP       |
| 6   | 5.6417          | 33.88          | 0.45          | 34.33          | 69.54          | -35.21      | QP       |

Note:

Pre-scan in the all of mode, the worst case in of was recorded.

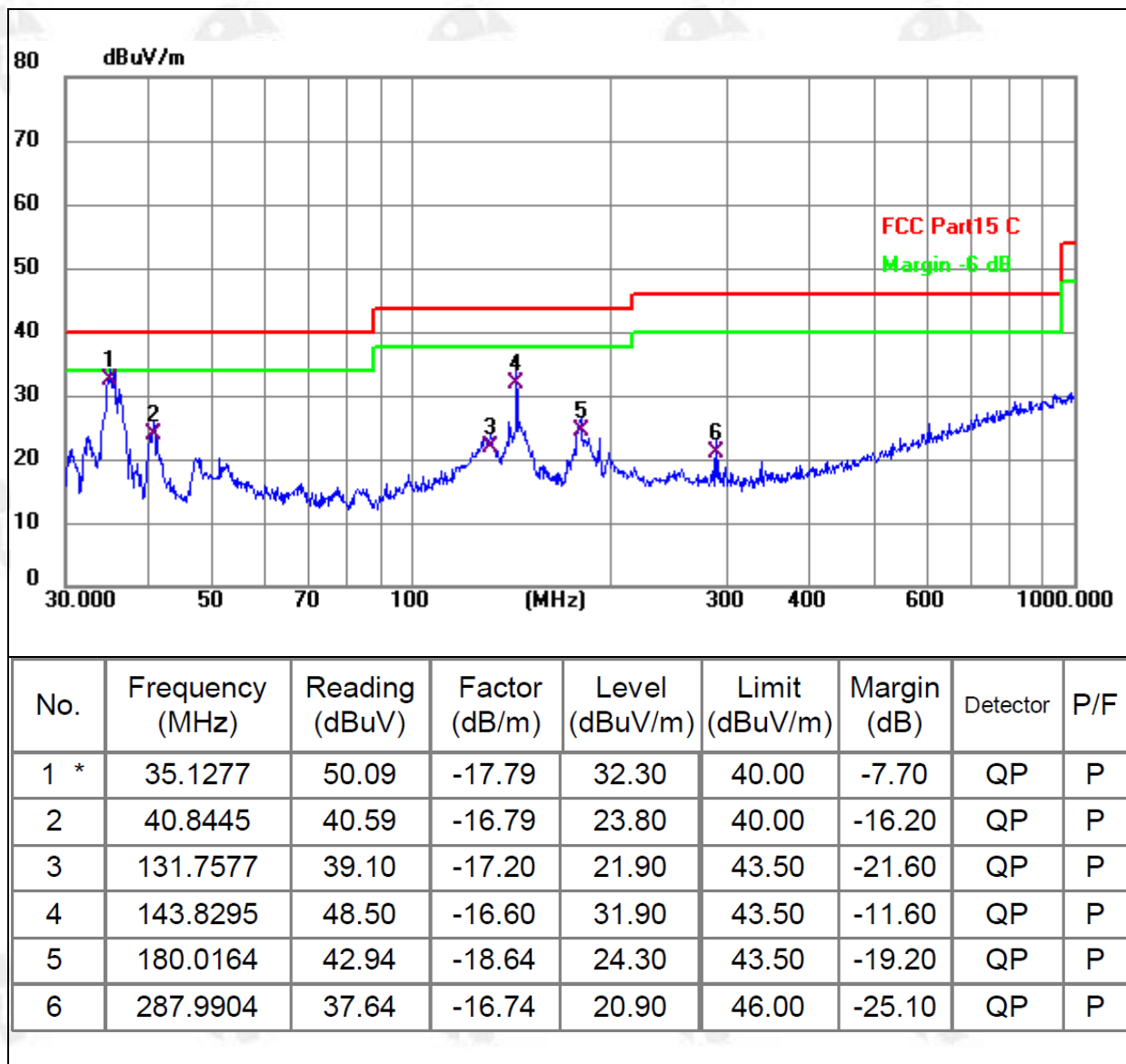
Factor = antenna factor + cable loss – pre-amplifier.

Margin = Emission Level- Limit.



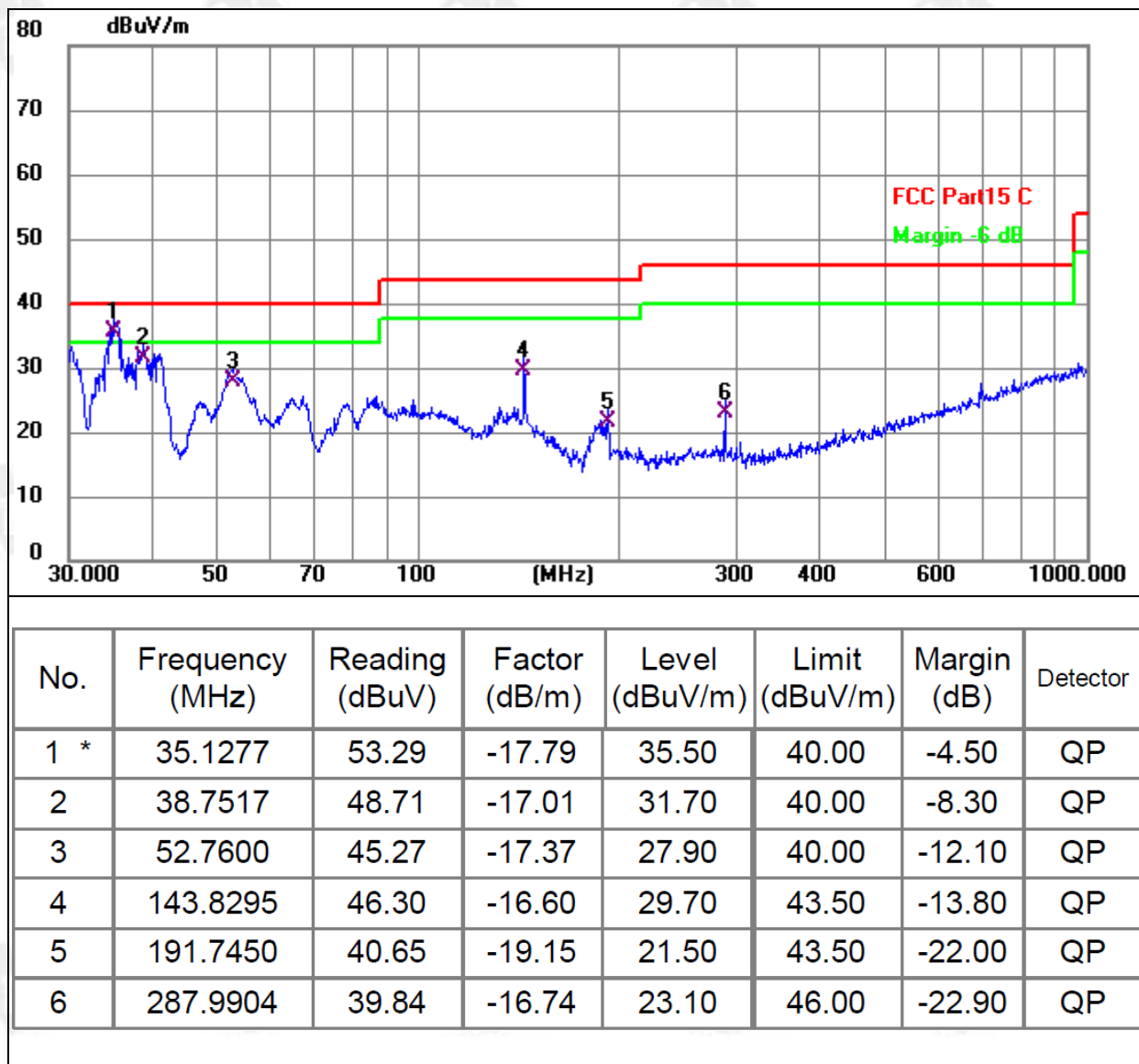
30MHz-1GHz:

|               |                                 |                    |            |
|---------------|---------------------------------|--------------------|------------|
| Temperature:  | 25.8°C                          | Relative Humidity: | 53%        |
| Pressure:     | 101 kPa                         | Polarization:      | Horizontal |
| Test Voltage: | DC 9V from adapter AC 120V/60Hz | Mode:              | Model 1    |





|               |                                 |                    |          |
|---------------|---------------------------------|--------------------|----------|
| Temperature:  | 25.8℃                           | Relative Humidity: | 53%      |
| Pressure:     | 101 kPa                         | Polarization:      | Vertical |
| Test Voltage: | DC 9V from adapter AC 120V/60Hz | Mode:              | Model 1  |



Remarks:

- 1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2.The emission levels of other frequencies are very lower than the limit and not show in test report.



## **7. TEST PHOTOGRAPHS AND EUT PHOTOGRAPHS**

Please see the attachment for details.

-----End of Report-----