

# TEST REPORT

**Product Name** : Bluetooth Sunrise Alarm Clock with Wireless Charging and Mood Lightning  
iBTW215VM.EXv26, iBTW215VM.X(X could be single or multiple digits by any alphabets and  
**Model Number** : punctuation marks denoting different year version, cartoon brands, buyers, appearance and colors)  
**FCC ID** : EMOIBTW215A

**Prepared for** : SDI Technologies Inc.  
**Address** : 1299 Main Street, Rahway, NJ 07065, U.S.A

**Prepared by** : EMTEK (DONGGUAN) CO., LTD.  
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**Report Number** : EDG2607100071E00203R  
**Date of sample receipt** : July 10, 2026  
**Date(s) of Tests** : July 10, 2026 to August 06, 2026  
**Date of issue** : August 06, 2026

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## 1. TEST REPORT DESCRIPTION

Applicant : SDI Technologies Inc.  
Address : 1299 Main Street, Rahway, NJ 07065, U.S.A  
Manufacturer : SDI Technologies Inc.  
Address : 1299 Main Street, Rahway, NJ 07065, U.S.A  
EUT : Bluetooth Sunrise Alarm Clock with Wireless Charging and Mood Lightning  
iBTW215VM.EXv26, iBTW215VM.X(X could be single or multiple digits by any  
Model Name : alphabets and punctuation marks denoting different year version, cartoon  
brands, buyers, appearance and colors) )  
Trademark : eKids / iHome

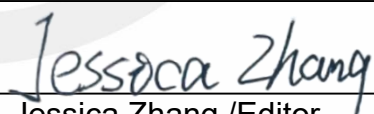
Measurement Procedure Used:

| APPLICABLE STANDARDS                                          |             |
|---------------------------------------------------------------|-------------|
| STANDARD                                                      | TEST RESULT |
| FCC 47 CFR Part 2, Subpart J<br>FCC 47 CFR Part 15, Subpart C | PASS        |

The above equipment was tested by EMTEK (DONGGUAN) 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) 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.

Date of Test : July 10, 2026 to August 06, 2026

Prepared by :   
Jessica Zhang /Editor

Reviewer :   
Warren Deng /Supervisor

Approve & Authorized Signer :   
Sam Lv / Manager

## Modified History

| Version | Report No.           | Revision Date | Summary         |
|---------|----------------------|---------------|-----------------|
|         | EDG2607100071E00203R | /             | Original Report |
|         |                      |               |                 |
|         |                      |               |                 |



## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

| Characteristics           | Description                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name              | Bluetooth Sunrise Alarm Clock with Wireless Charging and Mood Lightning                                                                                                                                                                                                                                                                                              |
| Model number              | iBTW215VM.EXv26, iBTW215VM.X(X could be single or multiple digits by any alphabets and punctuation marks denoting different year version, cartoon brands, buyers, appearance and colors) )<br>(Note: These models are the same, except for the model names, year version, cartoon brands, buyers, appearance and colors;iBTW215VM.EXv26 was selected for full test.) |
| Power Supply              | DC 9V from USB                                                                                                                                                                                                                                                                                                                                                       |
| Operating Frequency Range | 111-205KHz                                                                                                                                                                                                                                                                                                                                                           |
| Wireless Output Power     | 10W                                                                                                                                                                                                                                                                                                                                                                  |
| Modulation Technique      | ASK                                                                                                                                                                                                                                                                                                                                                                  |
| Antenna Type              | Induction Coil antenna                                                                                                                                                                                                                                                                                                                                               |
| Temperature Range         | 0°C ~ +60°C                                                                                                                                                                                                                                                                                                                                                          |

## 2.2. Input / Output Ports

| Port #                                                                                                                                                                                                                                                                     | Name       | Type* | Cable Max. >3m | Cable Shielded | Comments |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|----------------|----------------|----------|
| 1                                                                                                                                                                                                                                                                          | Enclosure  | N/E   | --             | --             | None     |
| 2                                                                                                                                                                                                                                                                          | DC IN port | I/O   | No             | Unshielded     | 1 port   |
|                                                                                                                                                                                                                                                                            |            |       |                |                |          |
| <p>* Note: For the purposes of the present document, the following symbols apply:</p> <p>AC AC Power Port</p> <p>DC DC Power Port</p> <p>N/E Non-Electrical</p> <p>I/O Signal Input or Output Port (Not Involved in Process Control)</p> <p>TP Telecommunication Ports</p> |            |       |                |                |          |

## 2.3. Independent Operation Modes

- A ON
1. Wireless 10W(100% load)
  2. Wireless 10W(50% load)
  3. Wireless 10W(10% load)
- Note: The mode A1 is the worst mode

## 2.4. Test Manner

| Test Items         | Test Voltage | Operation Modes |
|--------------------|--------------|-----------------|
| Conducted Emission | AC 120V/60Hz | Mode A          |
| Radiated Emission  | AC 120V/60Hz | Mode A          |

## 2.5. Description of Test Facility

### Site Description

EMC Lab. : Accredited by CNAS, 2024.07.06  
The certificate is valid until 2030.07.05  
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018  
The Certificate Registration Number is L3150

Accredited by FCC  
Designation Number: CN1451  
Test Firm Registration Number: 846861

Accredited by A2LA, April 05, 2021  
The Certificate Registration Number is 4321.02

Accredited by Industry Canada  
The Certificate Registration Number is CN0113

Name of Firm : EMTEK (DONGGUAN) CO., LTD.

Site Location : 1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu

High-technology Industrial Development Zone, Dongguan, Guangdong,  
China

## 2.6. Description of Support Device

| No. | Equipment     | Trade name | Model | S/N | Power Cord |
|-----|---------------|------------|-------|-----|------------|
| 1.  | Wireless Load | N/A        | 10W   | N/A | N/A        |
|     |               |            |       |     |            |

## 2.7. Measurement Uncertainty

| Test Item                                     | Uncertainty                                                                                             |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Conducted Emission Uncertainty                | : 2.08dB(9K-150KHz)<br>2.42dB(150K-30MHz)                                                               |
| Radiated Emission Uncertainty<br>(3m Chamber) | : 3.32dB (30M~1GHz Polarize: H)<br>3.34dB (30M~1GHz Polarize: V)<br>4.98dB (1~6GHz)<br>5.20dB (6~18GHz) |

### 3. SUMMARY OF TEST RESULTS

| EMISSION                                         |                                                                |         |
|--------------------------------------------------|----------------------------------------------------------------|---------|
| Description of Test Item                         | Standard & Limits                                              | Results |
| 20DB BANDWIDTH                                   | FCC Part 15, Subpart C- Section 15.217-257<br>ANSI C63.10-2020 | Pass    |
| Conducted Emission                               | FCC Part 15, Subpart C- Section 15.207<br>ANSI C63.10-2020     | Pass    |
| Radiated Emission                                | FCC Part 15, Subpart C- Section 15.209<br>ANSI C63.10-2020     | Pass    |
| Antenna requirement                              | FCC Part 15, Subpart C- Section 15.203<br>ANSI C63.10-2020     | Pass    |
| Note: N/A is an abbreviation for Not Applicable. |                                                                |         |

## 4. MEASURING DEVICE AND TEST EQUIPMENT

### 4.1. Conducted Emission Test Equipment

| Equipment                  | Manufacturer         | Model No.    | Serial No. | Last Cal. | Cal. Interval |
|----------------------------|----------------------|--------------|------------|-----------|---------------|
| EMI Test Receiver          | Rohde&Schwarz        | ESCI         | 100137     | 2026/4/23 | 1Year         |
| AMN                        | Rohde&Schwarz        | ENV216       | 101209     | 2026/4/23 | 1Year         |
| AMN                        | Rohde&Schwarz        | ENV216       | 100017     | 2026/4/23 | 1Year         |
| RF Switching Unit          | CDS                  | RSU-M2       | 38401      | 2026/4/23 | 1Year         |
| AMN                        | Schwarzbeck          | NNLK8121     | 8121-641   | 2026/4/23 | 1Year         |
| AMN                        | Rohde&Schwarz        | ESH3-Z6      | 101101     | 2026/4/23 | 1Year         |
| AMN                        | Rohde&Schwarz        | ESH3-Z6      | 101102     | 2026/4/23 | 1Year         |
| Power Splitters & Dividers | Weinschel Associates | WA1506A      | A1066      | 2026/4/23 | 1Year         |
| Current Probe              | FCC                  | F-52         | 8377       | 2026/4/23 | 1Year         |
| Passive voltage probe      | Rohde&Schwarz        | ESH2-Z3      | 100122     | 2026/4/23 | 1Year         |
| Cable                      | Rosenberger          | RG 223/U     | 525178     | 2026/4/23 | 1Year         |
| Cable                      | Rosenberger          | RG223/U      | 525179     | 2026/4/23 | 1Year         |
| Test Software              | Farad                | Ver.CON-03A1 | --         | N/A       | N/A           |

### 4.2. For 3m Radiated Emission Measurement

| Equipment             | Manufacturer  | Model No.        | Serial No.   | Last Cal. | Cal. Interval |
|-----------------------|---------------|------------------|--------------|-----------|---------------|
| EMI Test Receiver     | Rohde&Schwarz | ESCI             | 101415       | 2026/4/23 | 1Year         |
| Bi-log Hybrid Antenna | Schwarzbeck   | VULB9163         | 141          | 2026/4/25 | 1Year         |
| Pre-Amplifie          | HP            | 8447F            | OPH64        | 2026/4/23 | 1 Year        |
| Signal Analyzer       | R&S           | FSV30            | 103039       | 2026/4/23 | 1 Year        |
| Horn Antenna          | Schwarzbeck   | BBHA9120D        | 1272         | 2026/4/25 | 1Year         |
| Horn Antenna          | Schwarzbeck   | BBHA9170         | 9170-567     | 2026/4/25 | 1Year         |
| Pre-Amplifie          | LUNAR EM      | PM1-18-40        | J10100000081 | 2026/4/23 | 1Year         |
| Loop antenna          | Schwarzbeck   | FMZB1519         | 1519-012     | 2026/4/25 | 1Year         |
| Cable                 | Rosenberger   | CIL02            | A0783566     | 2026/4/23 | 1Year         |
| Cable                 | HTS           | CBL-26           | D1245        | 2026/4/23 | Year          |
| Cable                 | HTS           | CBL-26           | D8503        | 2026/4/23 | 1Year         |
| Cable                 | HTS           | CBL-26           | /            | 2026/4/23 | 1Year         |
| 6 db attenuator       | AR-WORLDWIDE  | 6dB/50FH-006-100 | 324011       | 2026/4/23 | 1Year         |
| Test Software         | Farad         | Ver.RA-03A1      | --           | N/A       | N/A           |

#### 4.3. For other test items:

| Equipment                         | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|-----------------------------------|--------------|-----------|------------|-----------|---------------|
| Wireless Connectivity Tester      | R&S          | CMW270    | 102543     | 2026/4/23 | 1Year         |
| Automatic Control Unit            | Tonscend     | JS0806-2  | 2118060480 | 2026/4/23 | 1Year         |
| Signal Analyzer                   | KEYSIGHT     | N9010B    | MY60242456 | 2026/4/23 | 1Year         |
| Analog Signal Generator           | KEYSIGHT     | N5173B    | MY61252625 | 2026/4/23 | 1Year         |
| UP/DOWN-Converter                 | R&S          | CMW-Z800A | 100274     | 2026/4/23 | 1Year         |
| Vector Signal Generator           | KEYSIGHT     | N5182B    | MY61252674 | 2026/4/23 | 1Year         |
| Frequency Extender                | KEYSIGHT     | N5182BX07 | MY59362541 | 2026/4/23 | 1Year         |
| Temperature&Humidity test chamber | ESPEC        | EL-02KA   | 12107166   | 2026/4/23 | 1 Year        |
| Radio frequency test system       | Tonscend     | JS1120-3  | --         | N/A       | N/A           |

## 5. 20DB BANDWIDTH

### 5.1. Test Procedure

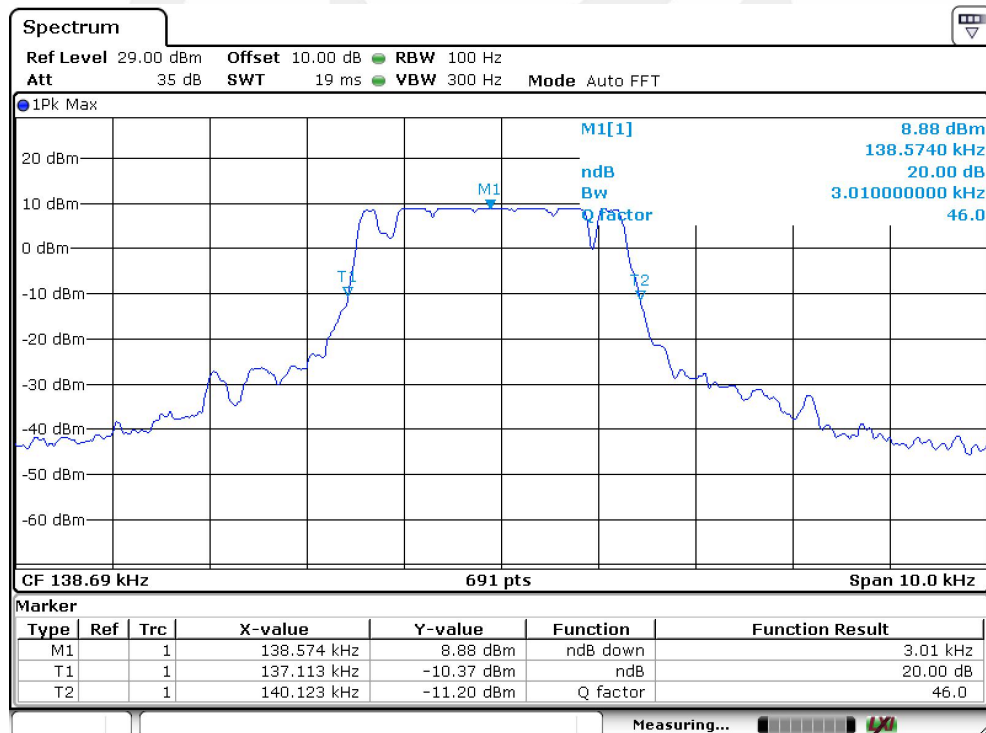
Set to the maximum power setting and enable the EUT transmit continuously  
 Set RBW = 100 Hz.  
 Set the video bandwidth (VBW) =300 Hz  
 Set Span= 10 KHz  
 Set Detector = Peak.  
 Set Trace mode = max hold.  
 Set Sweep = auto couple.  
 Measure and record the results in the test report.

### 5.2. Test Results

Temperature: 25.1℃  
 Humidity: 55.2%

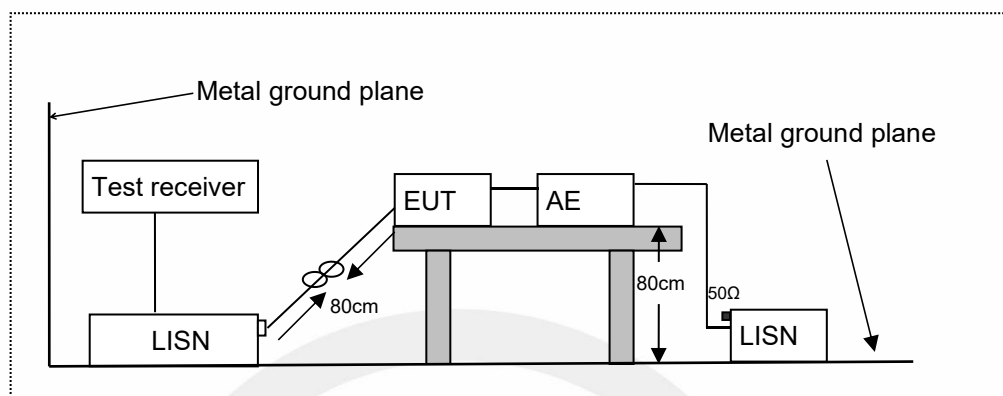
Test Date: 2026.07.30  
 Test By: Calvin

20dB Band=3.01 KHz



## 6. POWER LINE CONDUCTED EMISSION MEASUREMENT

### 6.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment

EUT: Equipment under test

## 6.2.Limits

FCC Part 15.207

| Frequency<br>(MHz) |   |       | Limit (dBμV)     |               |
|--------------------|---|-------|------------------|---------------|
|                    |   |       | 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.

### 6.3. 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 x 1.0 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:

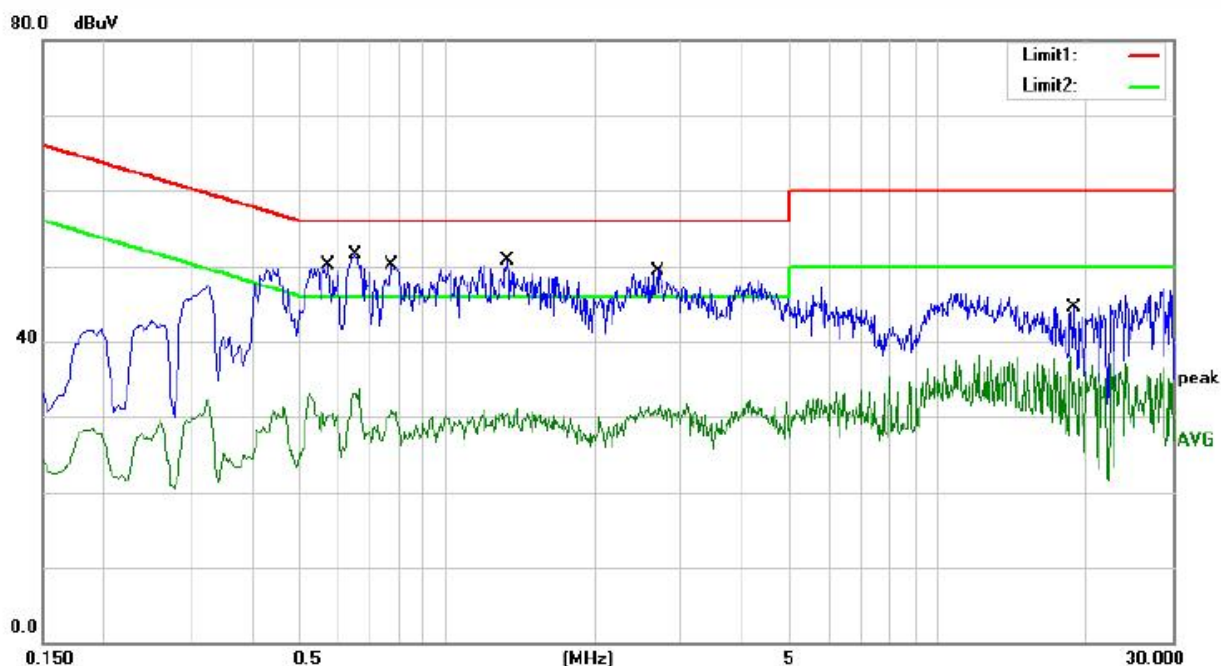
Emission Level (dBμV) = LISN Factor (dB) + Cable Loss (dB) + Reading (dBμV)

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

## 6.4. Measuring Results

**PASS**

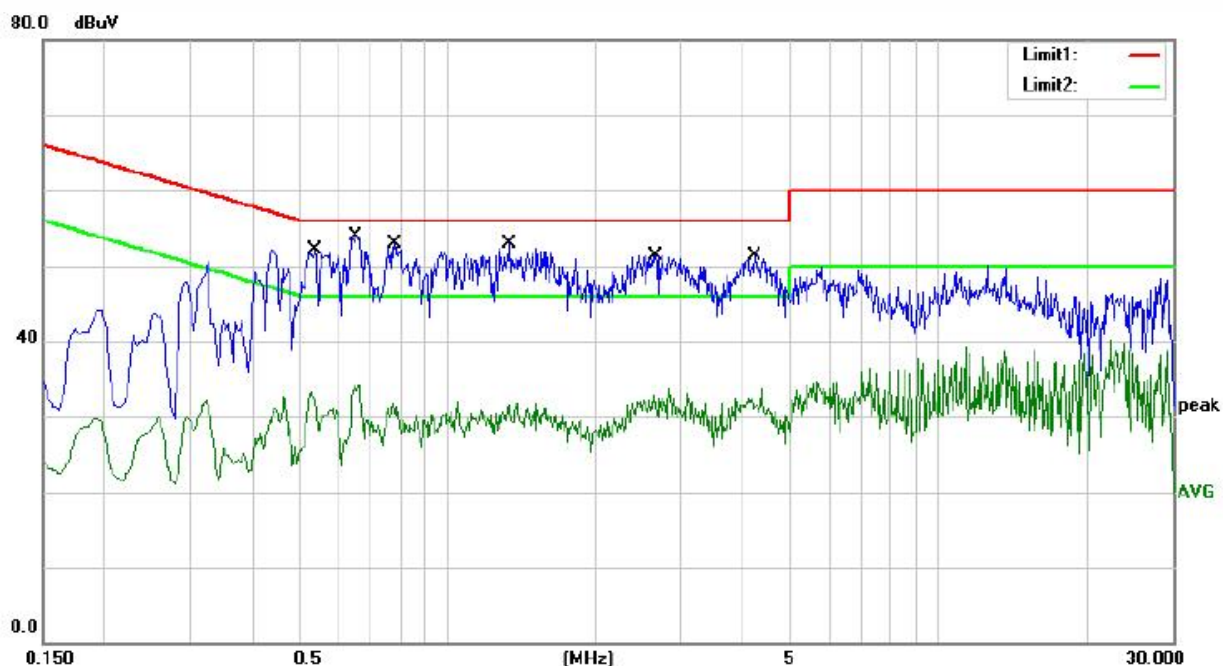




Site site #1 Phase: L1 Temperature: 26.5

| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Over   |          |         |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|---------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector | Comment |
| 1   |     | 0.5740  | 27.65         | 17.55          | 45.20       | 56.00 | -10.80 | QP       |         |
| 2   |     | 0.5740  | 15.46         | 17.55          | 33.01       | 46.00 | -12.99 | AVG      |         |
| 3   | *   | 0.6500  | 29.34         | 17.56          | 46.90       | 56.00 | -9.10  | QP       |         |
| 4   |     | 0.6500  | 16.13         | 17.56          | 33.69       | 46.00 | -12.31 | AVG      |         |
| 5   |     | 0.7700  | 28.54         | 17.56          | 46.10       | 56.00 | -9.90  | QP       |         |
| 6   |     | 0.7700  | 13.25         | 17.56          | 30.81       | 46.00 | -15.19 | AVG      |         |
| 7   |     | 1.3260  | 28.11         | 17.59          | 45.70       | 56.00 | -10.30 | QP       |         |
| 8   |     | 1.3260  | 13.48         | 17.59          | 31.07       | 46.00 | -14.93 | AVG      |         |
| 9   |     | 2.7060  | 27.65         | 17.65          | 45.30       | 56.00 | -10.70 | QP       |         |
| 10  |     | 2.7060  | 14.10         | 17.65          | 31.75       | 46.00 | -14.25 | AVG      |         |
| 11  |     | 18.7140 | 29.16         | 17.80          | 46.96       | 60.00 | -13.04 | QP       |         |
| 12  |     | 18.7140 | 20.14         | 17.80          | 37.94       | 50.00 | -12.06 | AVG      |         |

\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Weishanqin



| Site site #1 |     |        |               | Phase: N       |              | Temperature: 26.5 |        |                  |
|--------------|-----|--------|---------------|----------------|--------------|-------------------|--------|------------------|
| No.          | Mk. | Freq.  | Reading Level | Correct Factor | Measure-ment | Limit             | Over   |                  |
|              |     | MHz    | dBuV          | dB             | dBuV         | dBuV              | dB     | Detector Comment |
| 1            |     | 0.5380 | 29.65         | 17.55          | 47.20        | 56.00             | -8.80  | QP               |
| 2            |     | 0.5380 | 15.77         | 17.55          | 33.32        | 46.00             | -12.68 | AVG              |
| 3            |     | 0.6540 | 31.64         | 17.56          | 49.20        | 56.00             | -6.80  | QP               |
| 4            |     | 0.6540 | 16.64         | 17.56          | 34.20        | 46.00             | -11.80 | AVG              |
| 5            |     | 0.7820 | 29.04         | 17.56          | 46.60        | 56.00             | -9.40  | QP               |
| 6            |     | 0.7820 | 14.20         | 17.56          | 31.76        | 46.00             | -14.24 | AVG              |
| 7            |     | 1.3380 | 28.31         | 17.59          | 45.90        | 56.00             | -10.10 | QP               |
| 8            |     | 1.3380 | 14.17         | 17.59          | 31.76        | 46.00             | -14.24 | AVG              |
| 9            |     | 2.6580 | 26.55         | 17.65          | 44.20        | 56.00             | -11.80 | QP               |
| 10           |     | 2.6580 | 15.96         | 17.65          | 33.61        | 46.00             | -12.39 | AVG              |
| 11           |     | 4.2460 | 28.18         | 17.72          | 45.90        | 56.00             | -10.10 | QP               |
| 12           | *   | 4.2460 | 21.54         | 17.72          | 39.26        | 46.00             | -6.74  | AVG              |

\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Weishanqin

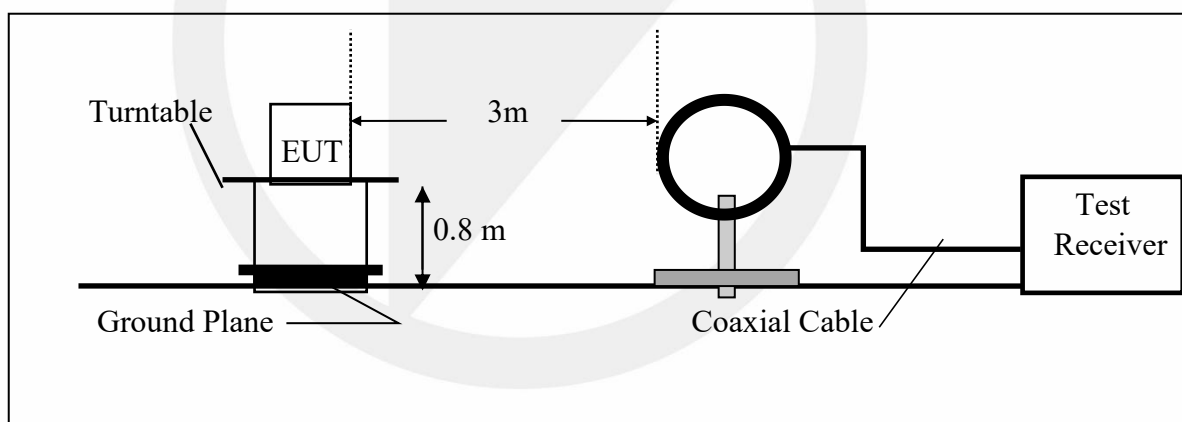
## 7. RADIATED EMISSION TEST

### 7.1.Measurement Procedure

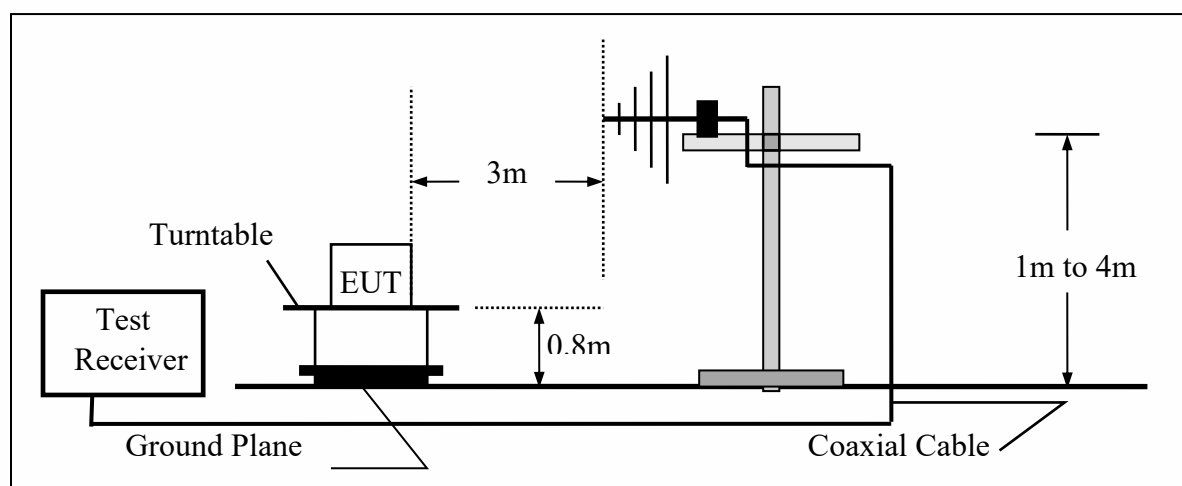
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above 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

### 7.2.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



### 7.3.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(KHz)                | 300m | 10000 * 2400/F(KHz)                                                | 20log 2400/F(KHz) + 80  |
| 0.490 – 1.705      | 24000 / F(KHz)               | 30m  | 100 * 24000/F(KHz)                                                 | 20log 24000/F(KHz) + 40 |
| 1.705 – 30.00      | 30                           | 30m  | 100* 30                                                            | 20log 30 + 40           |
| 30.0 – 88.0        | 100                          | 3m   | 100                                                                | 20log 100               |
| 88.0 – 216.0       | 150                          | 3m   | 150                                                                | 20log 150               |
| 216.0 – 960.0      | 200                          | 3m   | 200                                                                | 20log 200               |
| Above 960.0        | 500                          | 3m   | 500                                                                | 20log 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.

## 7.4.Measurement Result

|                    |               |               |            |
|--------------------|---------------|---------------|------------|
| Operation Mode:    | Low frequency | Test Date :   | 2026.07.15 |
| Frequency Range:   | 9KHz~30MHz    | Temperature : | 24.3℃      |
| Test Result:       | PASS          | Humidity :    | 56.0 %     |
| Measured Distance: | 3m            | Test By:      | Ccyf       |

| Freq.<br>(MHz) | Ant.Pol.<br>H/V | Emission Level<br>(dBuV/m) | Limit 3m<br>(dBuV/m) | Over<br>(dB) | Note |
|----------------|-----------------|----------------------------|----------------------|--------------|------|
| 0.0560         | H               | 50.79                      | 112.63               | -61.84       | PK   |
| 0.0720         | H               | 49.49                      | 110.45               | -60.96       | PK   |
| 0.1344         | H               | 69.33                      | 105.03               | -35.70       | PK   |
| 0.4040         | H               | 53.30                      | 95.48                | -42.18       | PK   |
| 0.6683         | H               | 45.41                      | 71.11                | -25.70       | PK   |
| 3.2583         | H               | 33.24                      | 69.54                | -36.30       | PK   |
|                |                 |                            |                      |              |      |
| 0.0400         | V               | 45.21                      | 115.55               | -70.34       | PK   |
| 0.0720         | V               | 45.75                      | 110.45               | -64.70       | PK   |
| 0.1348         | V               | 57.58                      | 105.00               | -47.42       | PK   |
| 0.4020         | V               | 44.57                      | 95.52                | -50.95       | PK   |
| 3.1066         | V               | 32.42                      | 69.54                | -37.12       | PK   |
| 29.5270        | V               | 35.05                      | 69.54                | -34.49       | PK   |

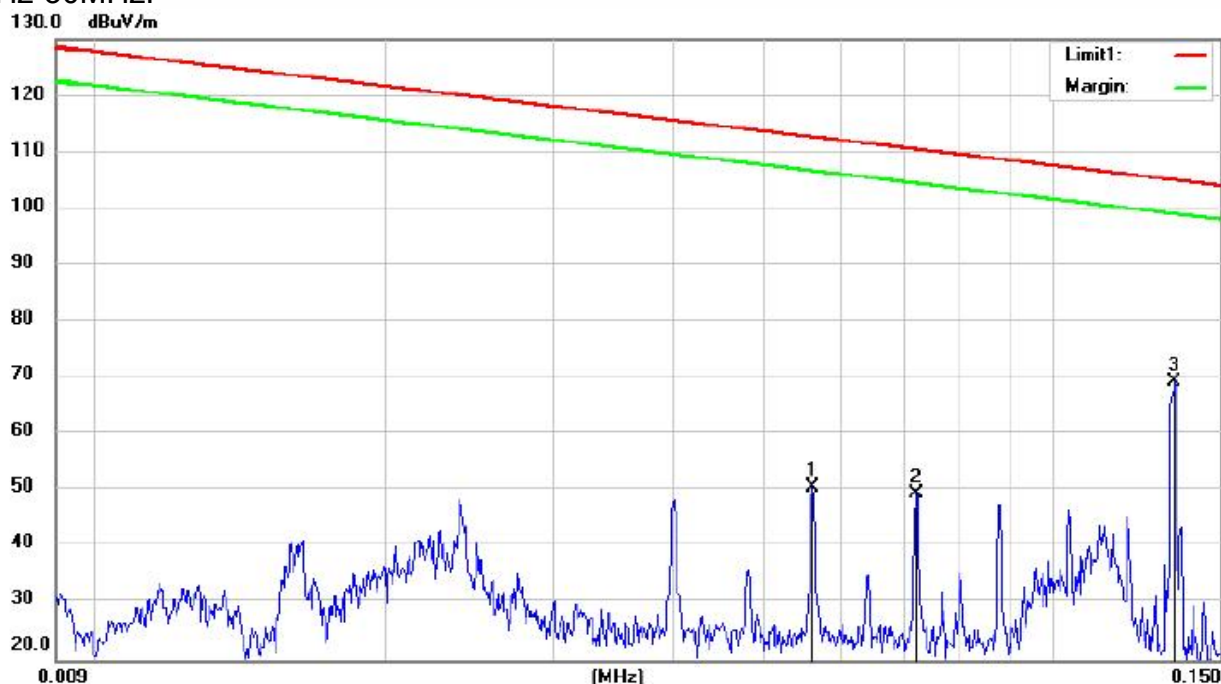
**Note:** (1) All Readings are Peak Value.

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

(3) The average measurement was not performed when the peak measured data under the limit of average detection.

(4) EUT lying on the table position is the worst case result in the report.

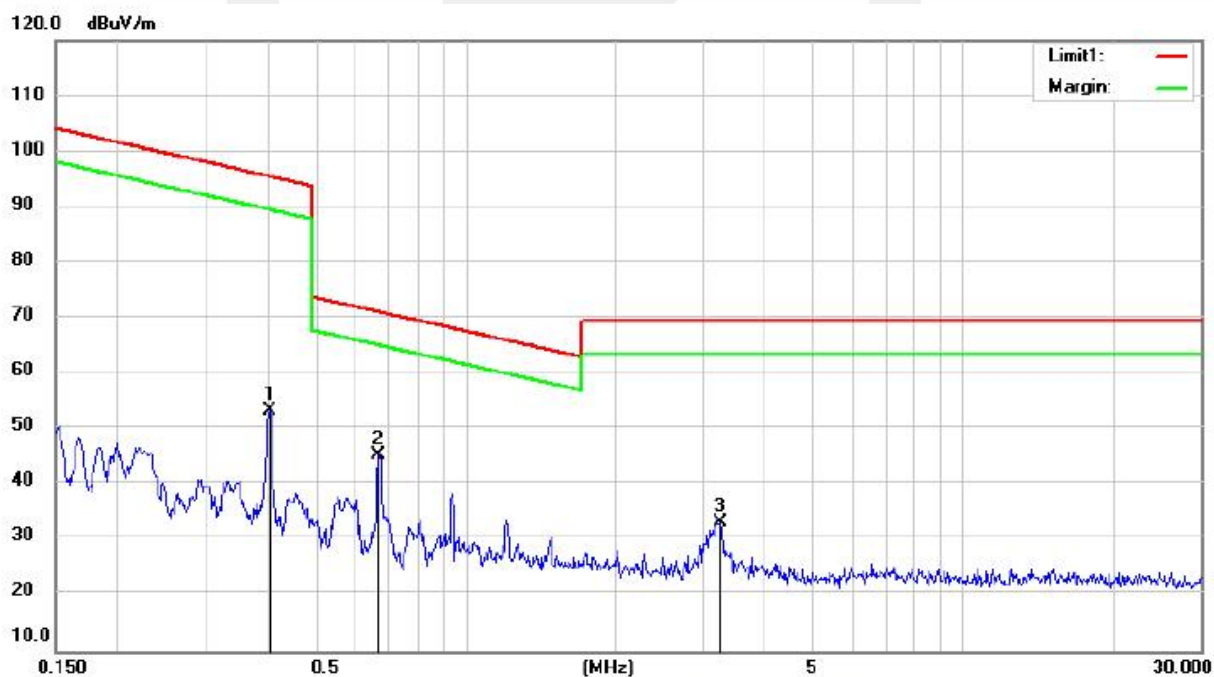
9KHz-30MHz:



Site Chamber #1

Polarization: **Horizontal**

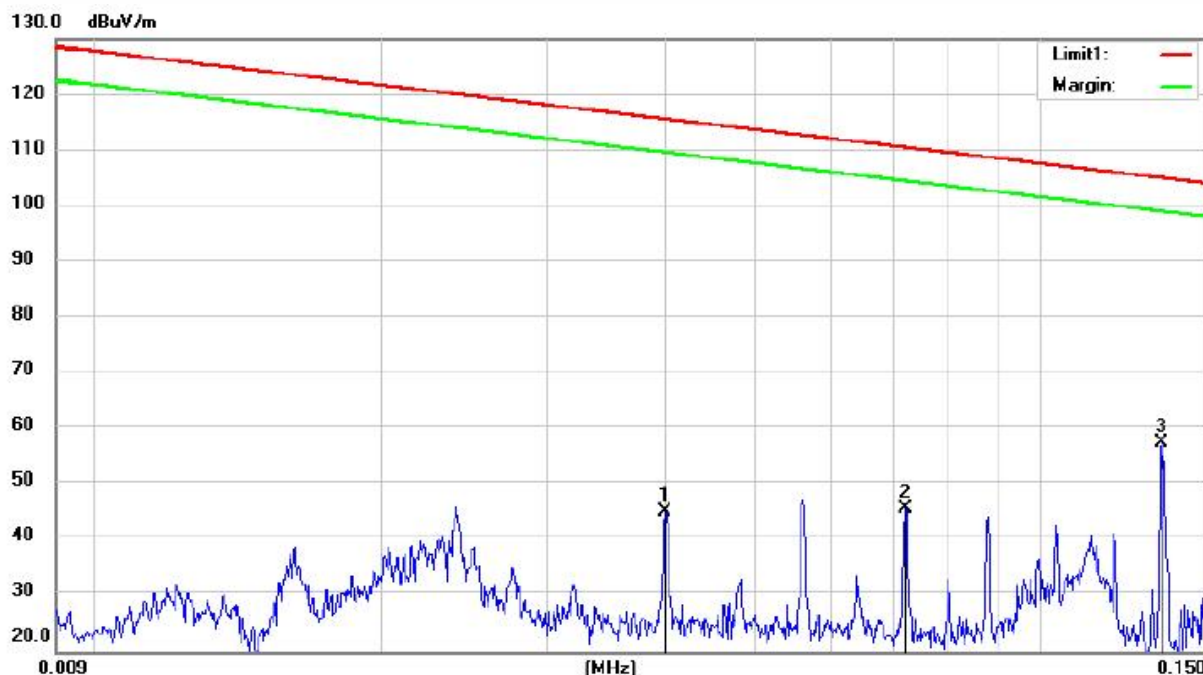
Temperature: 24.3 C



Site Chamber #1

Polarization: **Horizontal**

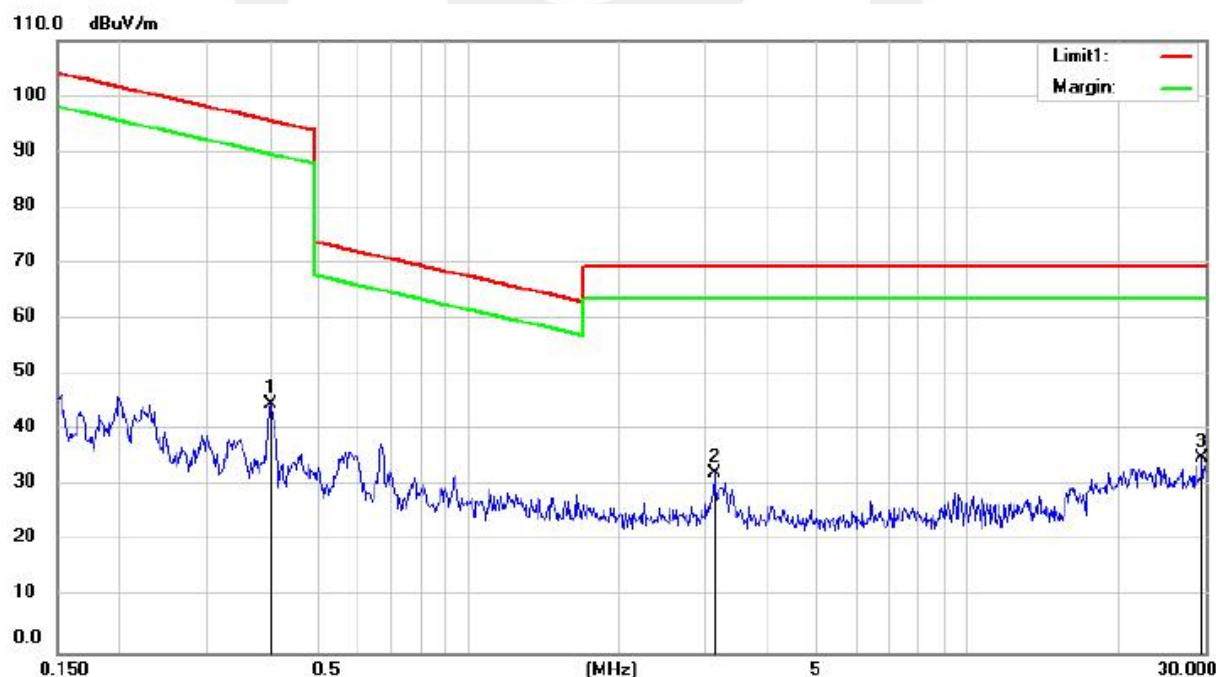
Temperature: 24.3 C



Site Chamber #1

Polarization: **Vertical**

Temperature: 24.3 C

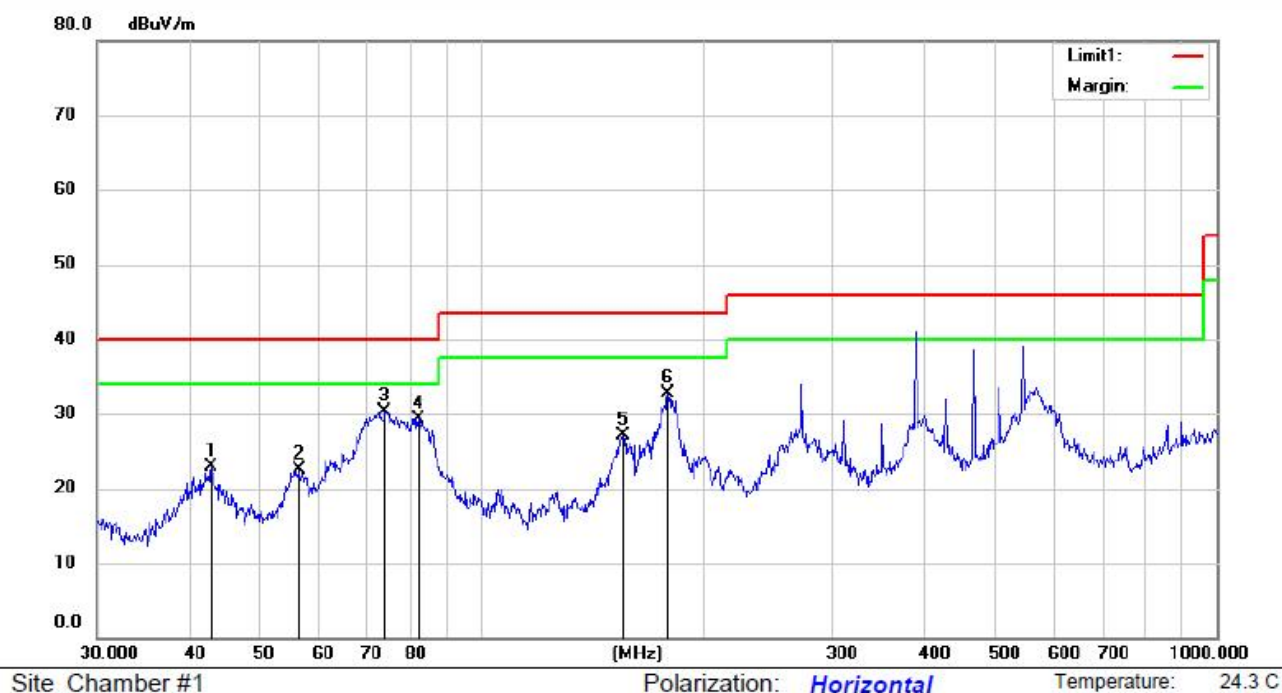


Site Chamber #1

Polarization: **Vertical**

Temperature: 24.3 C

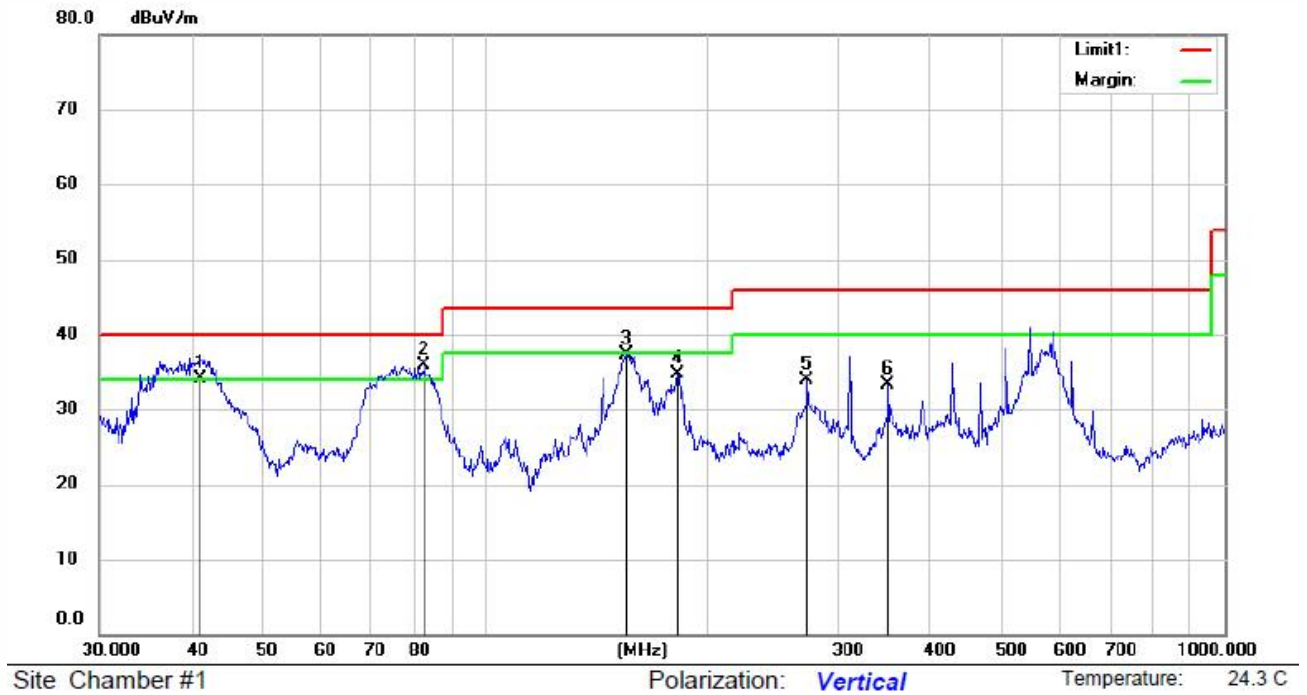
30MHz-1GHz:



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Ant.<br>Factor<br>dB/m | Pre Amp<br>Gain<br>dB | Cable<br>loss<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | HI       | Degree |              |
|-----|-----|--------------|--------------------------|------------------------|-----------------------|---------------------|----------------------------|-----------------|------------|----------|--------|--------------|
|     |     |              |                          |                        |                       |                     |                            |                 |            | Detector | cm     | deg. Comment |
| 1   |     | 42.8998      | 37.92                    | 13.15                  | 29.03                 | 0.95                | 22.99                      | 40.00           | -17.01     | QP       |        |              |
| 2   |     | 56.3948      | 37.76                    | 12.84                  | 29.01                 | 0.91                | 22.50                      | 40.00           | -17.50     | QP       |        |              |
| 3   | *   | 73.8756      | 49.30                    | 9.01                   | 29.11                 | 1.08                | 30.28                      | 40.00           | -9.72      | QP       |        |              |
| 4   |     | 82.0705      | 47.94                    | 9.4                    | 29.12                 | 1.18                | 29.40                      | 40.00           | -10.60     | QP       |        |              |
| 5   |     | 155.9101     | 45.84                    | 8.35                   | 28.69                 | 1.54                | 27.04                      | 43.50           | -16.46     | QP       |        |              |
| 6   |     | 179.3863     | 50.12                    | 9.6                    | 28.62                 | 1.64                | 32.74                      | 43.50           | -10.76     | QP       |        |              |

\*:Maximum data x:Over limit !:over margin

Operator: Ccyf



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Ant.<br>Factor<br>dB/m | Pre Amp<br>Gain<br>dB | Cable<br>loss<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | HI<br>cm | Degree<br>deg. | Comment |
|-----|-----|--------------|--------------------------|------------------------|-----------------------|---------------------|----------------------------|-----------------|------------|----------|----------|----------------|---------|
| 1   | !   | 41.1320      | 49.68                    | 12.44                  | 29.04                 | 0.94                | 34.02                      | 40.00           | -5.98      | QP       |          |                |         |
| 2   | *   | 82.6482      | 54.45                    | 9.4                    | 29.11                 | 1.2                 | 35.94                      | 40.00           | -4.06      | QP       |          |                |         |
| 3   |     | 154.8204     | 55.67                    | 8.83                   | 28.69                 | 1.54                | 37.35                      | 43.50           | -6.15      | QP       |          |                |         |
| 4   |     | 181.9202     | 52.05                    | 9.58                   | 28.62                 | 1.65                | 34.66                      | 43.50           | -8.84      | QP       |          |                |         |
| 5   |     | 272.2776     | 48.05                    | 12.36                  | 28.36                 | 1.93                | 33.98                      | 46.00           | -12.02     | QP       |          |                |         |
| 6   |     | 350.4768     | 44.78                    | 14.62                  | 28.6                  | 2.41                | 33.21                      | 46.00           | -12.79     | QP       |          |                |         |

\*:Maximum data x:Over limit !:over margin

Operator: Ccyf

Remark:

1. Measurement (dBuV/m) = Antenna Factor(dB) -Amp Factor(dB) +Cable Loss(dB) + Reading(dBuV/m)
2. Over (dB) = Measurement (dBuV/m) - Limit (dBuV/m)

## 8. ANTENNA REQUIREMENT

The EUT's antenna, permanent attached antenna, used an Induction coil, The antenna's gain meets the requirement.



\*\*\* End of Report \*\*\*

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