

## TEST REPORT

|           |                                                             |
|-----------|-------------------------------------------------------------|
| Applicant | Belkin International, Inc.                                  |
| Address   | 555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA |

|                                     |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Manufacturer or Supplier            | Belkin International, Inc.                                    |
| Address                             | 555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA   |
| Product                             | BoostCharge Pro Magnetic Power Bank 10K with Integrated Cable |
| Brand Name                          | belkin                                                        |
| Model                               | BPD009                                                        |
| Additional Model & Model Difference | N/A                                                           |
| Date of tests                       | Apr. 19, 2024 ~ Apr. 30, 2024                                 |

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

☒ **FCC Part 15, Subpart C**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Tested by Eric Fang<br>Project Engineer / EMC Department                            | Approved by Glyn He<br>Assistant Manager/ EMC Department                             |
|  |  |
| Date: May 08, 2024                                                                  |                                                                                      |

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# TABLE OF CONTENTS

|                                                                                                       |           |
|-------------------------------------------------------------------------------------------------------|-----------|
| <b>RELEASE CONTROL RECORD .....</b>                                                                   | <b>3</b>  |
| <b>1 SUMMARY OF TEST RESULTS .....</b>                                                                | <b>4</b>  |
| <b>2 MEASUREMENT UNCERTAINTY .....</b>                                                                | <b>4</b>  |
| <b>3 GENERAL INFORMATION.....</b>                                                                     | <b>5</b>  |
| 3.1 GENERAL DESCRIPTION OF EUT .....                                                                  | 5         |
| 3.2 DESCRIPTION OF TEST MODES.....                                                                    | 6         |
| 3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL.....                                            | 6         |
| 3.4 DESCRIPTION OF SUPPORT UNITS .....                                                                | 7         |
| 3.5 CONFIGURATION OF SYSTEM UNDER TEST .....                                                          | 8         |
| 3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS .....                                                    | 8         |
| <b>4 EMISSION TEST.....</b>                                                                           | <b>9</b>  |
| 4.1 CONDUCTED EMISSION MEASUREMENT .....                                                              | 9         |
| 4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT .....                                                  | 9         |
| 4.1.2 TEST INSTRUMENTS.....                                                                           | 9         |
| 4.1.3 TEST PROCEDURE.....                                                                             | 10        |
| 4.1.4 DEVIATION FROM TEST STANDARD .....                                                              | 10        |
| 4.1.5 TEST SETUP.....                                                                                 | 11        |
| 4.1.6 EUT OPERATING CONDITIONS .....                                                                  | 11        |
| 4.1.7 TEST RESULTS .....                                                                              | 12        |
| <b>5 EMISSION TEST.....</b>                                                                           | <b>16</b> |
| 5.1 RADIATED EMISSION MEASUREMENT .....                                                               | 16        |
| 5.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT .....                                                   | 16        |
| 5.1.2 TEST INSTRUMENTS.....                                                                           | 17        |
| 5.1.3 TEST PROCEDURE.....                                                                             | 18        |
| 5.1.4 DEVIATION FROM TEST STANDARD .....                                                              | 18        |
| 5.1.5 TEST SETUP.....                                                                                 | 19        |
| 5.1.6 EUT OPERATING CONDITIONS .....                                                                  | 19        |
| 5.1.7 TEST RESULTS .....                                                                              | 20        |
| 4.2 20DB BANDWIDTH MEASUREMENT .....                                                                  | 44        |
| 4.2.1 LIMITS OF 20DB BANDWIDTH MEASUREMENT .....                                                      | 44        |
| 4.2.2 TEST INSTRUMENTS.....                                                                           | 44        |
| 4.2.3 TEST PROCEDURE.....                                                                             | 44        |
| 4.2.4 DEVIATION FROM TEST STANDARD .....                                                              | 45        |
| 4.2.5 TEST SETUP.....                                                                                 | 45        |
| 4.2.6 EUT OPERATING CONDITION .....                                                                   | 45        |
| 4.2.7 TEST RESULTS .....                                                                              | 46        |
| <b>6 PHOTOGRAPHS OF THE TEST CONFIGURATION .....</b>                                                  | <b>50</b> |
| <b>7 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT<br/>BY THE LAB .....</b> | <b>51</b> |



Test Report No.: RF2404WDG0125

## RELEASE CONTROL RECORD

| ISSUE NO.      | REASON FOR CHANGE | DATE ISSUED  |
|----------------|-------------------|--------------|
| RF24004WDG0125 | Original release  | May 08, 2024 |

## 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 15, Subpart C |                             |        |                                |
|------------------------------------------|-----------------------------|--------|--------------------------------|
| STANDARD SECTION                         | TEST TYPE AND LIMIT         | RESULT | REMARK                         |
| §15.203                                  | Antenna Requirement         | PASS   | No antenna connector is used.  |
| §15.207                                  | AC Power Conducted Emission | PASS   | Meet the requirement of limit. |
| §15.209                                  | Radiated Emission           | PASS   | Meet the requirement of limit. |
| §15.215 (c)                              | 20dB Bandwidth              | PASS   | Meet the requirement of limit. |

## 2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| MEASUREMENT        | FREQUENCY      | UNCERTAINTY |
|--------------------|----------------|-------------|
|                    | 150KHz ~ 30MHz | 3.36dB      |
| Radiated emissions | 9KHz ~ 30MHz   | 2.80dB      |
|                    | 30MHz ~ 1GMHz  | 4.69dB      |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

|                                                    |                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------|
| <b>PRODUCT</b>                                     | BoostCharge Pro Magnetic Power Bank 10K with Integrated Cable           |
| <b>MODEL NO.</b>                                   | BPD009                                                                  |
| <b>ADDITIONAL MODE</b>                             | N/A                                                                     |
| <b>SAMPLE STATUS</b>                               | Engineering sample                                                      |
| <b>FCC ID</b>                                      | K7SBPD009                                                               |
| <b>POWER SUPPLY</b>                                | 5Vdc or 9Vdc (adapter)                                                  |
| <b>MODULATION TYPE</b>                             | FSK                                                                     |
| <b>OPERATING FREQUENCY RANGE</b>                   | 127.7kHz for iPhone (8-11 Series)<br>360.0kHz for iPhone (12-15 series) |
| <b>I/O PORTS</b>                                   | Coil Antenna                                                            |
| <b>FIELD STRENGTH</b>                              | 63.12dBuV/m                                                             |
| <b>MAXIMUM POWER OUTPUT FROM THE CHARGING COIL</b> | Max Power is 15W                                                        |
| <b>CABLE SUPPLIED</b>                              | N/A                                                                     |

**NOTES:**

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2404WDG0125) for detailed product photo.

### 3.2 DESCRIPTION OF TEST MODES

The following test frequencies are provided to this EUT:

| Tested Frequency (KHz) |
|------------------------|
| 127.7                  |
| 360.0                  |

### 3.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

| EUT<br>CONFIGURE | APPLICABLE TO |     |      | DESCRIPTION                                      |
|------------------|---------------|-----|------|--------------------------------------------------|
|                  | RE<1G         | PLC | 20BW |                                                  |
| A                | √             | -   | √    | Charging Mode (EUT With Wireless Load)-360.0kHz  |
| B                | √             | -   | √    | Charging Mode ( EUT With iPhone 11 Pro)-127.7kHz |
| C                | √             | √   | √    | Charging Mode ( EUT With iPhone 15 Pro)-360.0kHz |
| D                | √             | -   | √    | Standby Mode                                     |

Where **RE<1G**: Radiated Emission below 1GHz  
**20BW**: 20dB Bandwidth

**PLC**: Power Line Conducted Emission

#### **Radiated Emission Test (Below 1GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT configure mode | Tested Frequency (KHz) |
|--------------------|------------------------|
| A                  | 360.0                  |
| B                  | 127.7                  |
| C                  | 360.0                  |
| D                  | -                      |

#### **20dB Bandwidth TEST:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT configure mode | Tested Frequency (KHz) |
|--------------------|------------------------|
| A                  | 360.0                  |
| B                  | 127.7                  |
| C                  | 360.0                  |
| D                  | -                      |

#### **Power Line Conducted Emission Test:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT configure mode | Tested Frequency (KHz) |
|--------------------|------------------------|
| A                  | 360.0                  |
| C                  | 360.0                  |

**TEST CONDITION:**

| Applicable to | Environmental conditions   | Input Power  | Tested by    |
|---------------|----------------------------|--------------|--------------|
| RE<1G         | 23°C, 57% RH/25 °C, 53% RH | 120Vac, 60Hz | Alex/Eric    |
| PLC           | 24 °C, 56% RH              | 120Vac, 60Hz | Zhuolin Peng |
| 20BW          | 24 °C, 58% RH              | 120Vac, 60Hz | Jeffery      |

### 3.4 DESCRIPTION OF SUPPORT UNITS

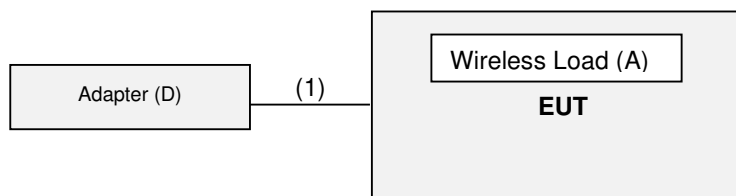
The EUT has been tested as a dependent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| NO. | PRODUCT       | BRAND  | MODEL NO. | SERIAL NO.   | FCC ID     |
|-----|---------------|--------|-----------|--------------|------------|
| A   | Receiver Load | N/A    | N/A       | N/A          | N/A        |
| B   | iPhone 15 Pro | Apple  | MTQ63CH/A | F43Q7N4Q4H   | BCG-E8438A |
| C   | iPhone 11 Pro | Apple  | MWDD2CH/A | F17ZMCAMN6YL | N/A        |
| D   | Adapter       | Belkin | MPW262    | N/A          | N/A        |

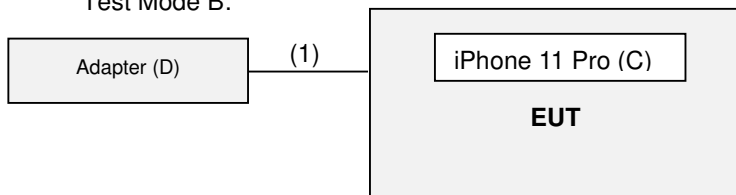
| No. | Cable                    | Qty. | Length (m) | Shielded (Yes/ No) | Cores (Number) | Remark        |
|-----|--------------------------|------|------------|--------------------|----------------|---------------|
| 1   | USB-C to USB-C PVC cable | 1    | 1.0        | Y                  | 0              | LT.3201000090 |

### 3.5 CONFIGURATION OF SYSTEM UNDER TEST

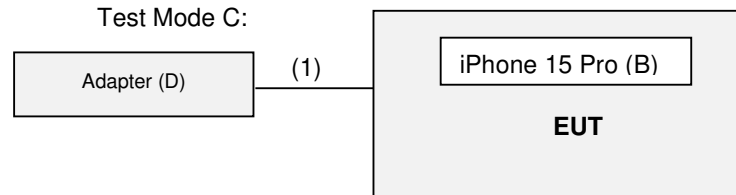
Test Mode A:



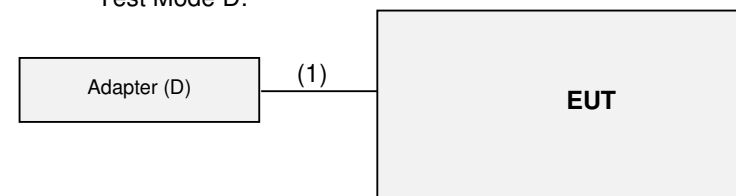
Test Mode B:



Test Mode C:



Test Mode D:



### 3.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart C (15.207/15.209)**  
**ANSI C63.10-2013**

All test items have been performed and recorded as per the above standards.





## 4 EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

| FREQUENCY (MHz) | Class A (dBuV) |         | Class B (dBuV) |         |
|-----------------|----------------|---------|----------------|---------|
|                 | Quasi-peak     | Average | Quasi-peak     | Average |
| 0.15 - 0.5      | 79             | 66      | 66 - 56        | 56 - 46 |
| 0.50 - 5.0      | 73             | 60      | 56             | 46      |
| 5.0 - 30.0      | 73             | 60      | 60             | 50      |

- NOTES:**
- (1) The lower limit shall apply at the transition frequencies.
  - (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
  - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 4.1.2 TEST INSTRUMENTS

| Equipment                | Manufacturer  | Model No.       | Serial No.     | Next Cal.   |
|--------------------------|---------------|-----------------|----------------|-------------|
| EMI Test Receiver        | Rohde&Schwarz | ESR7            | 101494         | Jan. 02, 25 |
| Artificial Mains Network | Rohde&Schwarz | ENV216          | 101173         | Jan. 03, 25 |
| Artificial Mains Network | Rohde&Schwarz | ESH3-Z5         | 100317         | Jan. 02, 25 |
| Artificial Mains Network | SCHWARZBECK   | NSLK 8122       | 8122-05001     | Apr. 09, 25 |
| V-LISN (CISPR 25)        | SCHWARZBECK   | NNBM 8124-200   | 8124-200 05857 | Apr. 09, 25 |
| V-LISN (CISPR 25)        | SCHWARZBECK   | NNBM 8124-200   | 8124-200 05858 | Apr. 09, 25 |
| Voltage probe            | SCHWARZBECK   | TK 9421         | TK 9421-176    | Jul. 16, 24 |
| Coaxial RF Cable         | SUHNER        | RG 223/U-CE     | C2310066DG     | Jul. 19, 24 |
| Test software            | ADT           | ADT_Cond_V7.3.7 | N/A            | N/A         |

- NOTE:**
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  2. The test was performed in shielding room 553.

### 4.1.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 7).

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20dB) were not recorded.

#### NOTE:

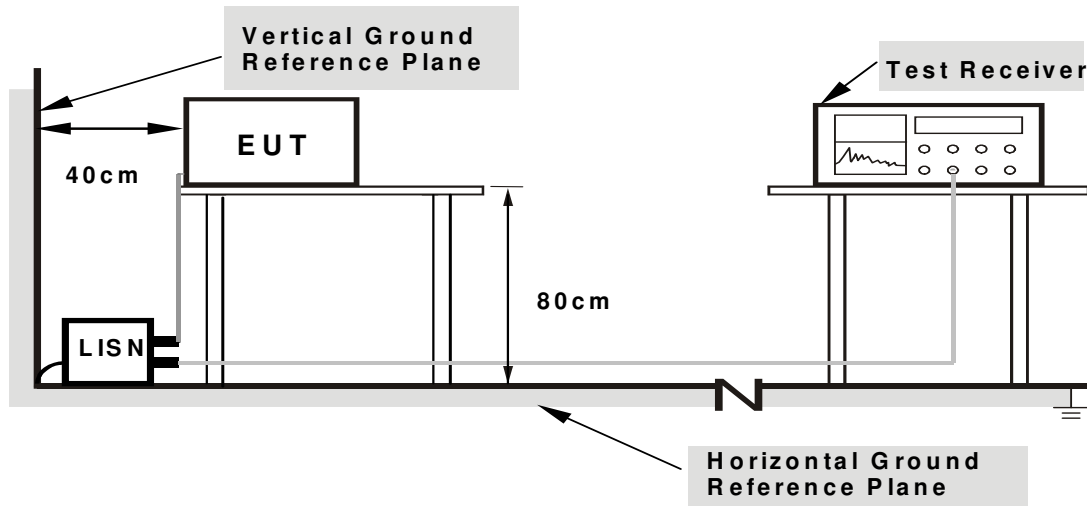
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation.



#### 4.1.5 TEST SETUP



**Note:** 1.Support units were connected to second LISN.  
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

#### 4.1.6 EUT OPERATING CONDITIONS

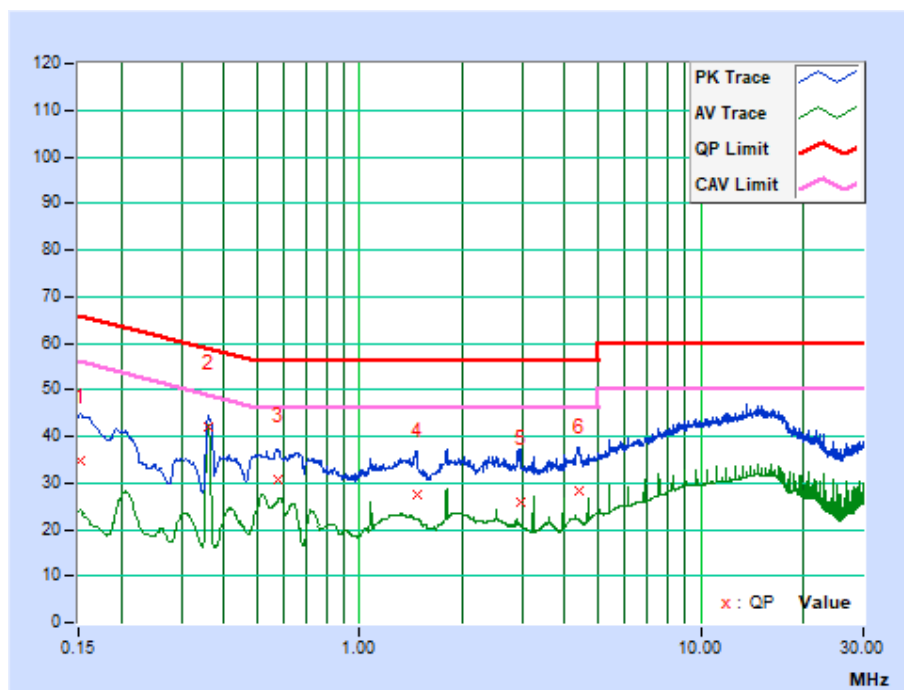
- Turned on the power of all equipment.
- EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

#### 4.1.7 TEST RESULTS

|                             |                                            |               |              |
|-----------------------------|--------------------------------------------|---------------|--------------|
| TEST MODE                   | A                                          | 6DB BANDWIDTH | 9 kHz        |
| TEST VOLTAGE                | Powered from Adapter<br>Input AC 120V/60Hz | PHASE         | Line (L)     |
| ENVIRONMENTAL<br>CONDITIONS | 24deg. C, 56% RH                           | TESTED BY     | Zhuolin Peng |

| No. | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|-----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|     |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|     |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1   | 0.15225        | 9.63                    | 25.05         | 13.51 | 34.68          | 23.14 | 65.88     | 55.88 | -31.19 | -32.73 |
| 2   | 0.35911        | 9.76                    | 32.15         | 31.48 | 41.91          | 41.24 | 58.75     | 48.75 | -16.84 | -7.51  |
| 3   | 0.57608        | 9.81                    | 21.06         | 16.09 | 30.87          | 25.90 | 56.00     | 46.00 | -25.13 | -20.10 |
| 4   | 1.46850        | 9.88                    | 17.77         | 11.98 | 27.65          | 21.86 | 56.00     | 46.00 | -28.35 | -24.14 |
| 5   | 2.96925        | 9.97                    | 16.08         | 10.57 | 26.05          | 20.54 | 56.00     | 46.00 | -29.95 | -25.46 |
| 6   | 4.38000        | 10.02                   | 18.26         | 11.88 | 28.28          | 21.90 | 56.00     | 46.00 | -27.72 | -24.10 |

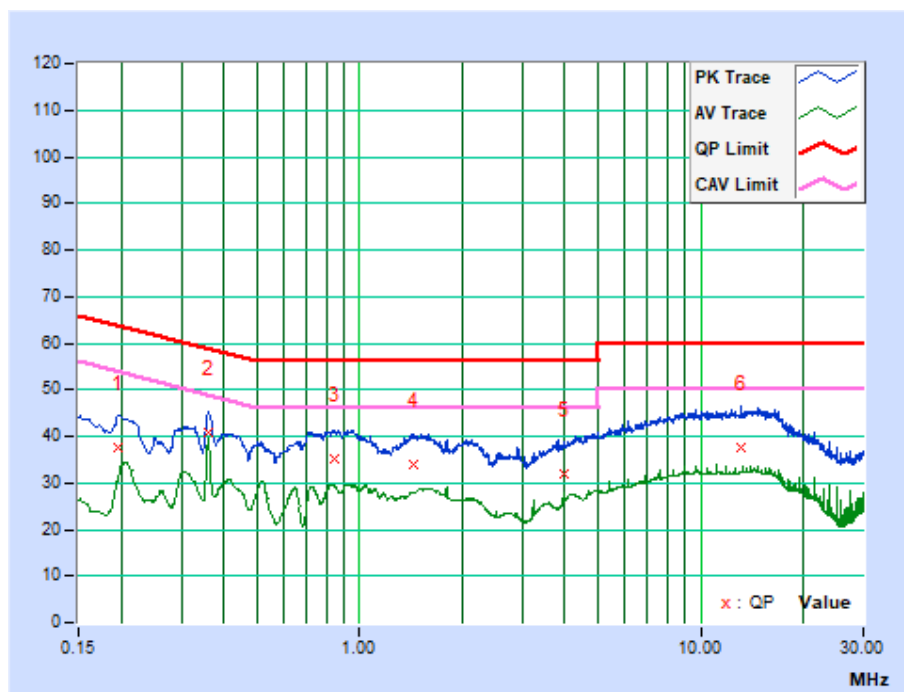
**REMARKS:** The emission levels of other frequencies were very low against the limit.



|                             |                                            |               |              |
|-----------------------------|--------------------------------------------|---------------|--------------|
| TEST MODE                   | A                                          | 6DB BANDWIDTH | 9 kHz        |
| TEST VOLTAGE                | Powered from Adapter<br>Input AC 120V/60Hz | PHASE         | Neutral (N)  |
| ENVIRONMENTAL<br>CONDITIONS | 24deg. C, 56% RH                           | TESTED BY     | Zhuolin Peng |

| No. | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|-----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|     |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|     |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1   | 0.19514        | 9.39                    | 28.16         | 20.53 | 37.55          | 29.92 | 63.81     | 53.81 | -26.26 | -23.89 |
| 2   | 0.35925        | 9.39                    | 31.62         | 29.71 | 41.01          | 39.10 | 58.75     | 48.75 | -17.73 | -9.64  |
| 3   | 0.84075        | 9.44                    | 25.74         | 19.45 | 35.18          | 28.89 | 56.00     | 46.00 | -20.82 | -17.11 |
| 4   | 1.44388        | 9.50                    | 24.47         | 17.65 | 33.97          | 27.15 | 56.00     | 46.00 | -22.03 | -18.85 |
| 5   | 3.95475        | 9.65                    | 22.07         | 16.53 | 31.72          | 26.18 | 56.00     | 46.00 | -24.28 | -19.82 |
| 6   | 13.19325       | 10.05                   | 27.49         | 21.69 | 37.54          | 31.74 | 60.00     | 50.00 | -22.46 | -18.26 |

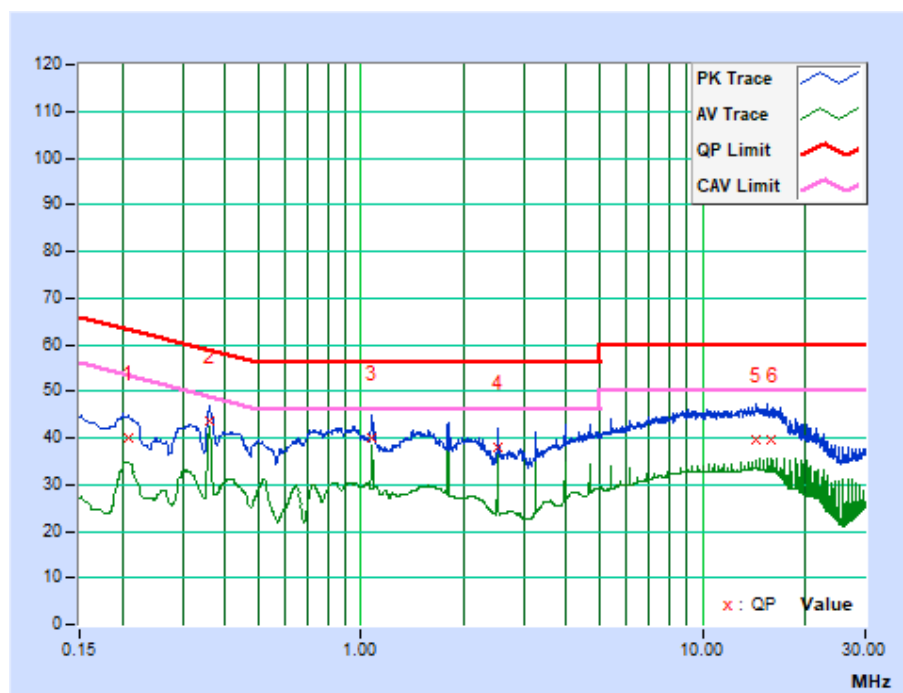
**REMARKS:** The emission levels of other frequencies were very low against the limit.



|                                 |                                            |                      |              |
|---------------------------------|--------------------------------------------|----------------------|--------------|
| <b>TEST MODE</b>                | C                                          | <b>6DB BANDWIDTH</b> | 9 kHz        |
| <b>TEST VOLTAGE</b>             | Powered from Adapter<br>Input AC 120V/60Hz | <b>PHASE</b>         | Line (L)     |
| <b>ENVIRONMENTAL CONDITIONS</b> | 24deg. C, 56% RH                           | <b>TESTED BY</b>     | Zhuolin Peng |

| No. | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|-----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|     |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|     |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1   | 0.20791        | 9.73                    | 30.43         | 24.83 | 40.16          | 34.56 | 63.29     | 53.29 | -23.12 | -18.72 |
| 2   | 0.35911        | 9.76                    | 33.84         | 32.22 | 43.60          | 41.98 | 58.75     | 48.75 | -15.15 | -6.77  |
| 3   | 1.07708        | 9.84                    | 29.97         | 26.80 | 39.81          | 36.64 | 56.00     | 46.00 | -16.19 | -9.36  |
| 4   | 2.51925        | 9.95                    | 28.02         | 26.04 | 37.97          | 35.99 | 56.00     | 46.00 | -18.03 | -10.01 |
| 5   | 14.39758       | 10.54                   | 29.01         | 23.29 | 39.55          | 33.83 | 60.00     | 50.00 | -20.45 | -16.17 |
| 6   | 16.28657       | 10.54                   | 30.01         | 22.25 | 40.55          | 32.79 | 60.00     | 50.00 | -19.45 | -17.21 |

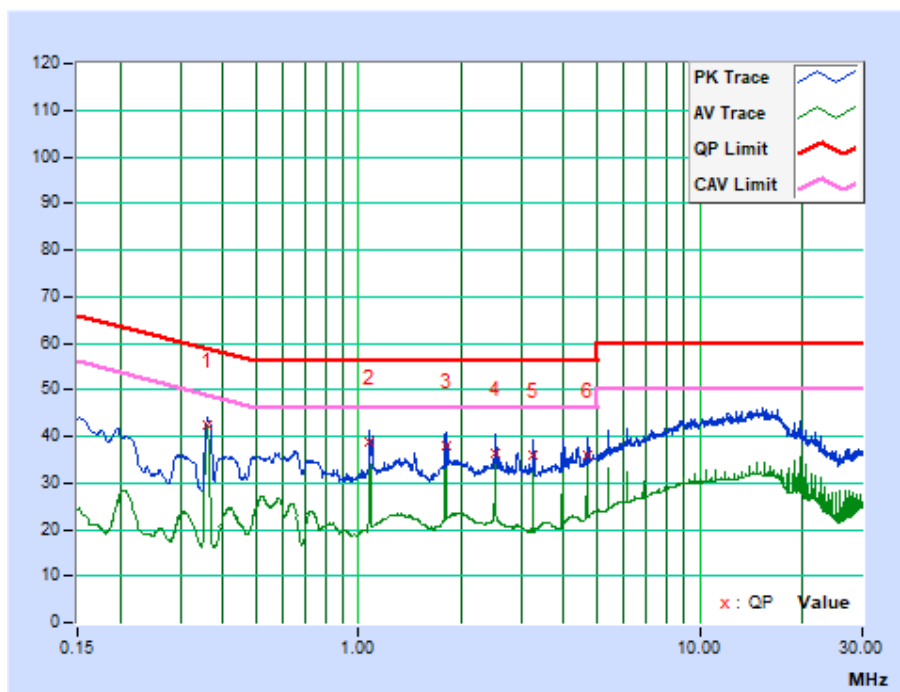
**REMARKS:** The emission levels of other frequencies were very low against the limit.



|                             |                                            |               |              |
|-----------------------------|--------------------------------------------|---------------|--------------|
| TEST MODE                   | C                                          | 6DB BANDWIDTH | 9 kHz        |
| TEST VOLTAGE                | Powered from Adapter<br>Input AC 120V/60Hz | PHASE         | Neutral (N)  |
| ENVIRONMENTAL<br>CONDITIONS | 24deg. C, 56% RH                           | TESTED BY     | Zhuolin Peng |

| No. | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|-----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|     |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|     |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1   | 0.35911        | 9.39                    | 33.15         | 32.39 | 42.54          | 41.78 | 58.75     | 48.75 | -16.21 | -6.97  |
| 2   | 1.07993        | 9.47                    | 29.13         | 27.99 | 38.60          | 37.46 | 56.00     | 46.00 | -17.40 | -8.54  |
| 3   | 1.79925        | 9.53                    | 28.64         | 27.05 | 38.17          | 36.58 | 56.00     | 46.00 | -17.83 | -9.42  |
| 4   | 2.51700        | 9.58                    | 26.91         | 25.00 | 36.49          | 34.58 | 56.00     | 46.00 | -19.51 | -11.42 |
| 5   | 3.23903        | 9.61                    | 26.52         | 24.97 | 36.13          | 34.58 | 56.00     | 46.00 | -19.87 | -11.42 |
| 6   | 4.67700        | 9.68                    | 26.17         | 23.69 | 35.85          | 33.37 | 56.00     | 46.00 | -20.15 | -12.63 |

**REMARKS:** The emission levels of other frequencies were very low against the limit.





## 5 EMISSION TEST

### 5.1 RADIATED EMISSION MEASUREMENT

#### 5.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart C, Section 15.209

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

| FREQUENCIES<br>(MHz) | FIELD STRENGTH<br>(microvolts/meter) | MEASUREMENT DISTANCE<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490        | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705        | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0         | 30                                   | 30                               |
| 30 – 88              | 100                                  | 3                                |
| 88 – 216             | 150                                  | 3                                |
| 216 - 960            | 200                                  | 3                                |
| Above 960            | 500                                  | 3                                |

**NOTES:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
4. The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



## 5.1.2 TEST INSTRUMENTS

### FREQUENCY 9KHz-30MHz

| Equipment           | Manufacturer  | Model No.            | Serial No. | Next Cal.   |
|---------------------|---------------|----------------------|------------|-------------|
| EMI Test Receiver   | Rohde&Schwarz | ESR7                 | 101564     | Jan. 02, 25 |
| Active Loop Antenna | SCHWARZBECK   | FMZB 1519B           | 1519B-045  | Apr. 13, 25 |
| Amplifier           | Burgeon       | BPA-530              | 100210     | Feb. 21 25  |
| Coaxial RF Cable    | /             | /                    | /          | Jul. 06, 24 |
| Test Software       | ADT           | ADT_Radiated_V8.7.07 | N/A        | N/A         |

- NOTES:**
1. The test was performed in 10m Chamber.
  2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  3. The FCC Site Registration No. is 749762.
  4. Designation Number: CN1174

### FREQUENCY 30MHz-1GHz

| Equipment                     | Manufacturer  | Model No.                | Serial No. | Next Cal.   |
|-------------------------------|---------------|--------------------------|------------|-------------|
| EMI Test Receiver             | Rohde&Schwarz | ESU40                    | 100449     | Jan. 02, 25 |
| Trilog-Broadband Antenna      | SCHWARZBECK   | VULB 9168                | 9168-554   | Dec. 25, 25 |
| Pre-Amplifier                 | Burgeon       | BPA-530                  | 100220     | Feb. 21, 25 |
| 3m Semi-anechoic Chamber      | Burgeon       | 9m*6m*6m                 | NSEMC003   | May 20, 24  |
| Coaxial RF Cable(3m Below 1G) | /             | /                        | /          | Jul. 03, 24 |
| Test software                 | ADT           | ADT_Radiated_V7.6.15.9.2 | N/A        | N/A         |

- NOTES:**
1. The test was performed in 966 Chamber
  2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  3. The FCC Site Registration No. is 749762.
  4. Designation Number: CN1174

### 5.1.3 TEST PROCEDURE

#### < Below 30MHz >

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1.3 meter and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

#### <30MHz~1GHz >

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its 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.
- d. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

#### NOTES:

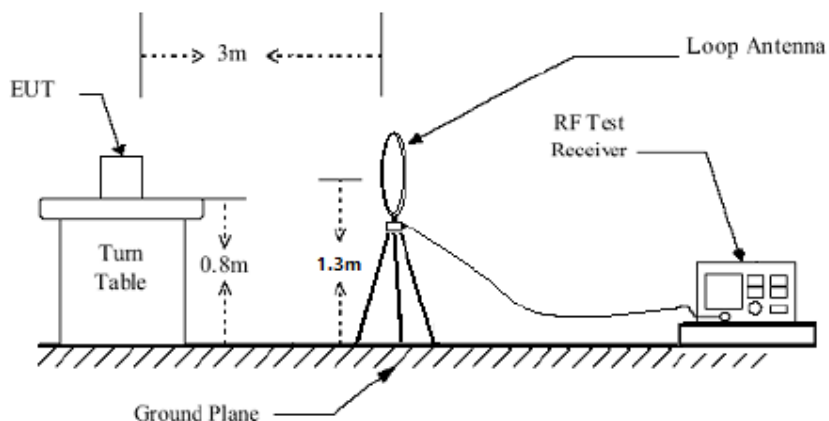
1. The resolution bandwidth of test receiver/spectrum analyzer is 200Hz for Quasi-peak detection (QP/AV) at fundamental frequency 9K-150KHz;
2. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz for Quasi-peak detection (QP/AV) at fundamental frequency 150K-30MHz;
3. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at radiated spurious emission frequency 30MHz-1GHz.

### 5.1.4 DEVIATION FROM TEST STANDARD

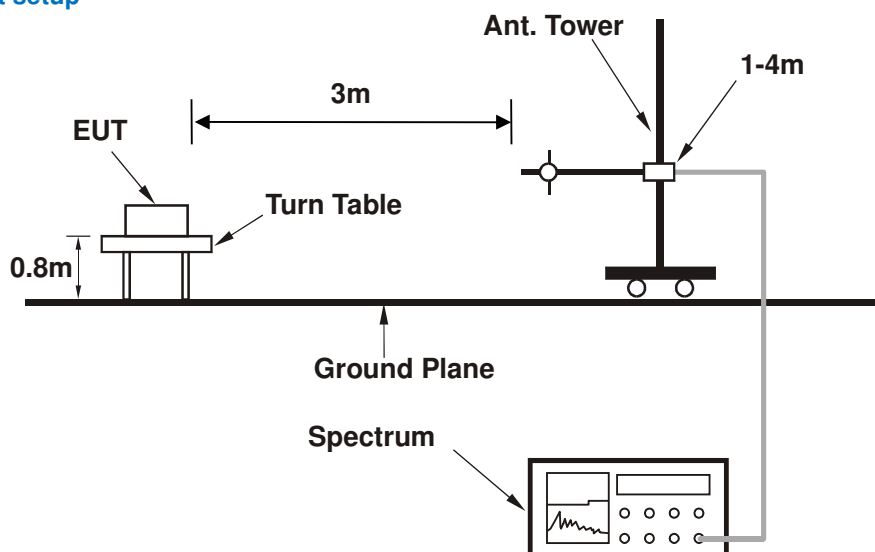
No deviation.

## 5.1.5 TEST SETUP

### Below 30MHz test setup



### Below 1GHz test setup



**Note:** For the actual test configuration, please refer to the attached file (Test Setup Photo).

## 5.1.6 EUT OPERATING CONDITIONS

- Turn on the EUT.
- The EUT tested in charging mode and standby mode respectively.



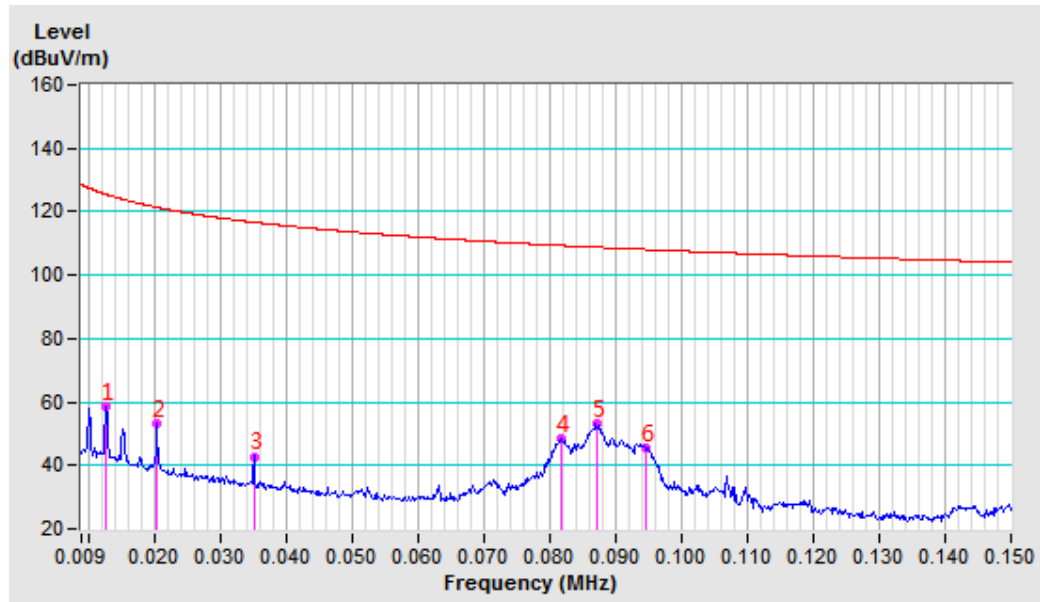
## 5.1.7 TEST RESULTS

### Standby Mode

|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | D                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex            |

#### ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m

| No | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
|----|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| 1  | 0.0128 AV      | -10.35                         | 68.88                  | 58.53                         | 125.46            | -66.93         | 100                       | 347                        |
| 2  | 0.0205 AV      | -11.05                         | 64.16                  | 53.11                         | 121.37            | -68.26         | 100                       | 47                         |
| 3  | 0.0352 AV      | -11.98                         | 54.76                  | 42.78                         | 116.67            | -73.89         | 100                       | 64                         |
| 4  | 0.0819 AV      | -12.16                         | 60.56                  | 48.40                         | 109.34            | -60.94         | 100                       | 101                        |
| 5  | 0.0871 AV      | -12.16                         | 65.09                  | 52.93                         | 108.80            | -55.87         | 100                       | 166                        |
| 6  | 0.0946 QP      | -12.16                         | 57.63                  | 45.47                         | 108.08            | -62.61         | 100                       | 94                         |





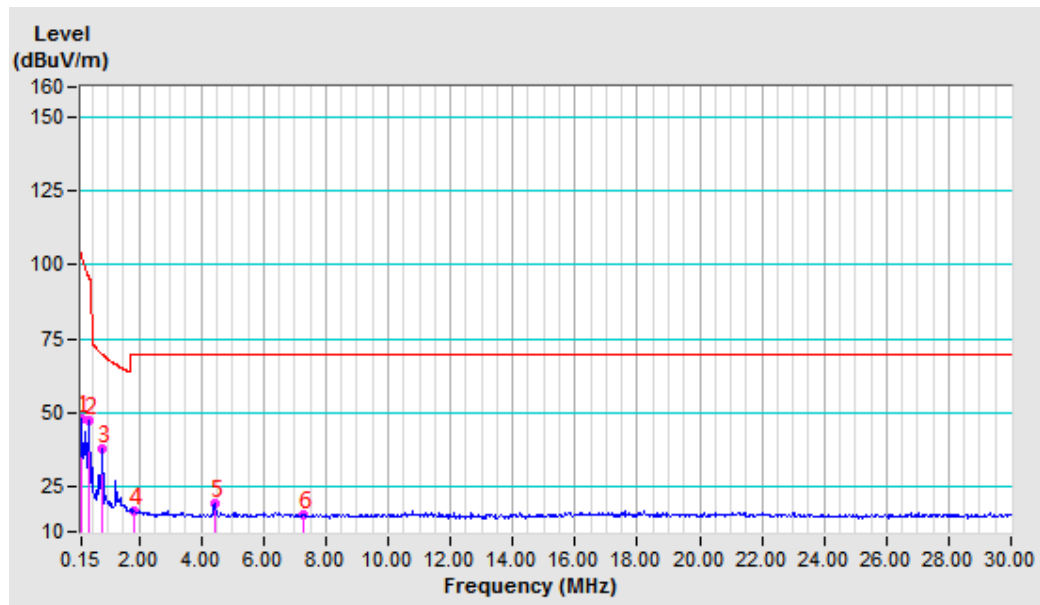
**BUREAU  
VERITAS**

**Test Report No.: RF2404WDG0125**

|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | D                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered From Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex             |

**ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m**

| No | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
|----|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| 1  | 0.1724 AV      | -12.22                         | 60.16                  | 47.94                         | 102.87            | -54.93         | 100                       | 100                        |
| 2  | 0.4202 AV      | -12.23                         | 59.77                  | 47.54                         | 95.14             | -47.60         | 100                       | 120                        |
| 3  | 0.8411 QP      | -12.21                         | 50.36                  | 38.15                         | 69.54             | -31.39         | 100                       | 106                        |
| 4  | 1.8500 QP      | -12.08                         | 29.19                  | 17.11                         | 69.54             | -52.43         | 100                       | 35                         |
| 5  | 4.4262 QP      | -11.85                         | 31.54                  | 19.69                         | 69.54             | -49.85         | 100                       | 14                         |
| 6  | 7.2726 QP      | -11.50                         | 27.35                  | 15.85                         | 69.54             | -53.69         | 100                       | 8                          |



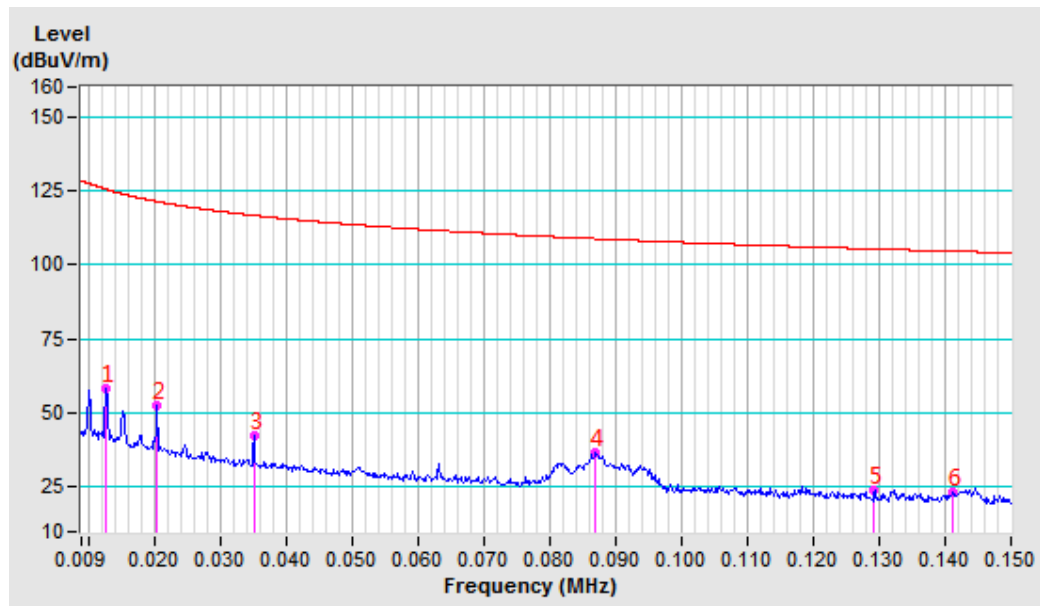


BUREAU  
VERITAS

Test Report No.: RF2404WDG0125

|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | D                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex            |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                                 | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                                  | 0.0128 AV      | -10.35                         | 68.88                  | 58.53                         | 125.46            | -66.93         | 100                       | 247                        |
| 2                                                                  | 0.0205 AV      | -11.05                         | 63.44                  | 52.39                         | 121.37            | -68.98         | 100                       | 316                        |
| 3                                                                  | 0.0352 AV      | -11.98                         | 54.70                  | 42.72                         | 116.67            | -73.95         | 100                       | 226                        |
| 4                                                                  | 0.0870 AV      | -12.16                         | 48.81                  | 36.65                         | 108.81            | -72.16         | 100                       | 85                         |
| 5                                                                  | 0.1293 AV      | -12.19                         | 36.29                  | 24.10                         | 105.37            | -81.27         | 100                       | 94                         |
| 6                                                                  | 0.1412 AV      | -12.20                         | 35.34                  | 23.14                         | 104.61            | -81.47         | 100                       | 113                        |



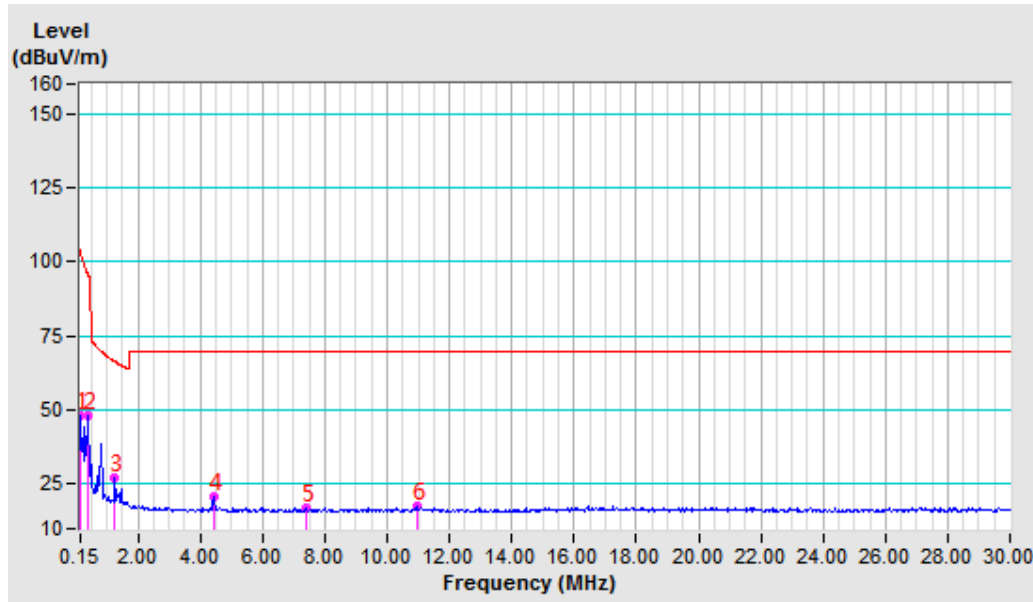


**BUREAU  
VERITAS**

**Test Report No.: RF2404WDG0125**

|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | D                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex             |

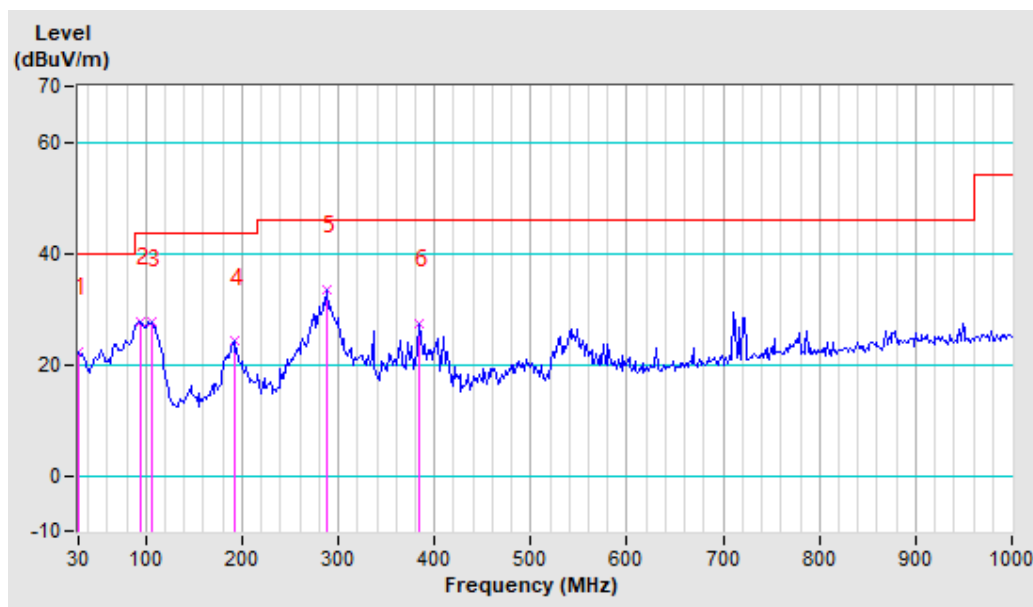
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |                |                                    |                        |                               |                   |                |                           |                            |
|--------------------------------------------------------------------|----------------|------------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                                 | Freq.<br>(MHz) | Correctio<br>n<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                                  | 0.1724 AV      | -12.22                             | 60.47                  | 48.25                         | 102.87            | -54.62         | 100                       | 111                        |
| 2                                                                  | 0.4202 AV      | -12.23                             | 60.53                  | 48.30                         | 95.14             | -46.84         | 100                       | 118                        |
| 3                                                                  | 1.2605 QP      | -12.13                             | 39.58                  | 27.45                         | 66.35             | -38.90         | 100                       | 119                        |
| 4                                                                  | 4.4247 QP      | -11.85                             | 32.66                  | 20.81                         | 69.54             | -48.73         | 100                       | 272                        |
| 5                                                                  | 7.4278 QP      | -11.49                             | 28.43                  | 16.94                         | 69.54             | -52.60         | 100                       | 360                        |
| 6                                                                  | 10.9652 QP     | -11.11                             | 28.66                  | 17.55                         | 69.54             | -51.99         | 100                       | 183                        |



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | D                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Horizontal At 3m |                |                                |                        |                               |                   |                |                           |                            |
|----------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No.                                                | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                  | 30.00          | -19.66                         | 41.80                  | 22.14                         | 40.00             | -17.86         | 200                       | 317                        |
| 2                                                  | 93.73          | -23.03                         | 50.77                  | 27.74                         | 43.50             | -15.76         | 200                       | 344                        |
| 3                                                  | 106.17         | -21.48                         | 48.97                  | 27.49                         | 43.50             | -16.01         | 200                       | 141                        |
| 4                                                  | 191.67         | -20.05                         | 44.14                  | 24.09                         | 43.50             | -19.41         | 200                       | 203                        |
| 5                                                  | 288.04         | -16.40                         | 49.96                  | 33.56                         | 46.00             | -12.44         | 200                       | 114                        |
| 6                                                  | 384.42         | -13.88                         | 41.19                  | 27.31                         | 46.00             | -18.69         | 200                       | 107                        |

**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.

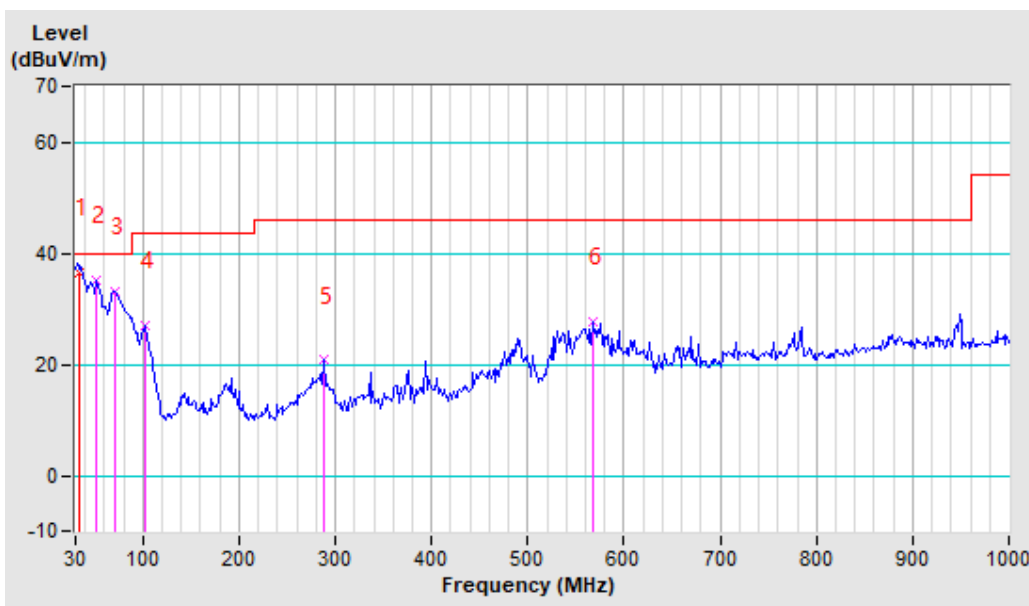




|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | D                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Vertical At 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No.                                              | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                | 33.22          | -19.55                         | 55.95                  | 36.40                         | 40.00             | -3.60          | 100                       | 156                        |
| 2                                                | 51.76          | -17.94                         | 53.12                  | 35.18                         | 40.00             | -4.82          | 100                       | 145                        |
| 3                                                | 71.97          | -20.22                         | 53.35                  | 33.13                         | 40.00             | -6.87          | 100                       | 128                        |
| 4                                                | 103.06         | -21.83                         | 48.71                  | 26.88                         | 43.50             | -16.62         | 100                       | 110                        |
| 5                                                | 288.04         | -16.40                         | 37.11                  | 20.71                         | 46.00             | -25.29         | 100                       | 100                        |
| 6                                                | 567.85         | -9.60                          | 37.33                  | 27.73                         | 46.00             | -18.27         | 100                       | 82                         |

**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.





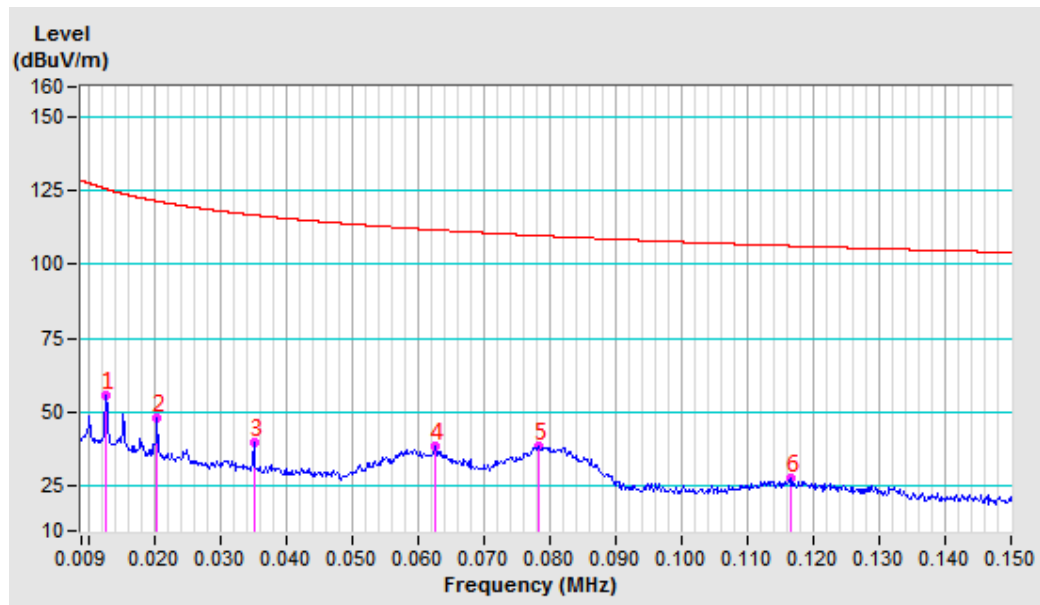
BUREAU  
VERITAS

Test Report No.: RF2404WDG0125

### Charging Mode

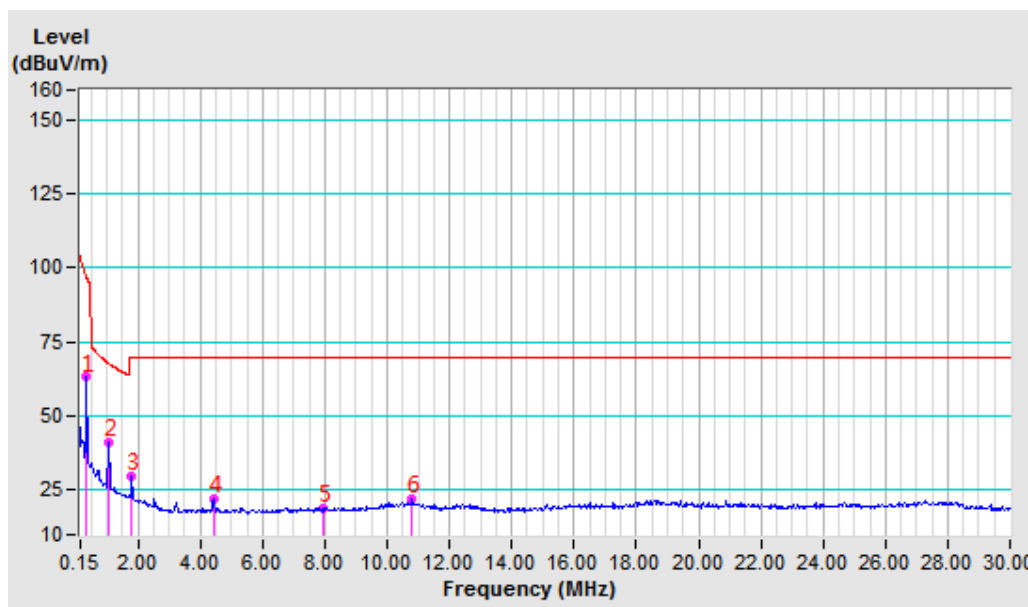
|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | A                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex            |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.0128 AV      | -10.48                         | 66.26                  | 55.78                         | 125.46            | -69.68         | 100                       | 16                         |
| 2                                                             | 0.0205 AV      | -10.98                         | 59.14                  | 48.16                         | 121.37            | -73.21         | 100                       | 205                        |
| 3                                                             | 0.0352 AV      | -11.63                         | 51.69                  | 40.06                         | 116.67            | -76.61         | 100                       | 97                         |
| 4                                                             | 0.0626 AV      | -11.68                         | 50.14                  | 38.46                         | 111.67            | -73.21         | 100                       | 163                        |
| 5                                                             | 0.0784 AV      | -11.66                         | 50.47                  | 38.81                         | 109.72            | -70.91         | 100                       | 113                        |
| 6                                                             | 0.1165 AV      | -11.66                         | 39.31                  | 27.65                         | 106.28            | -78.63         | 100                       | 223                        |



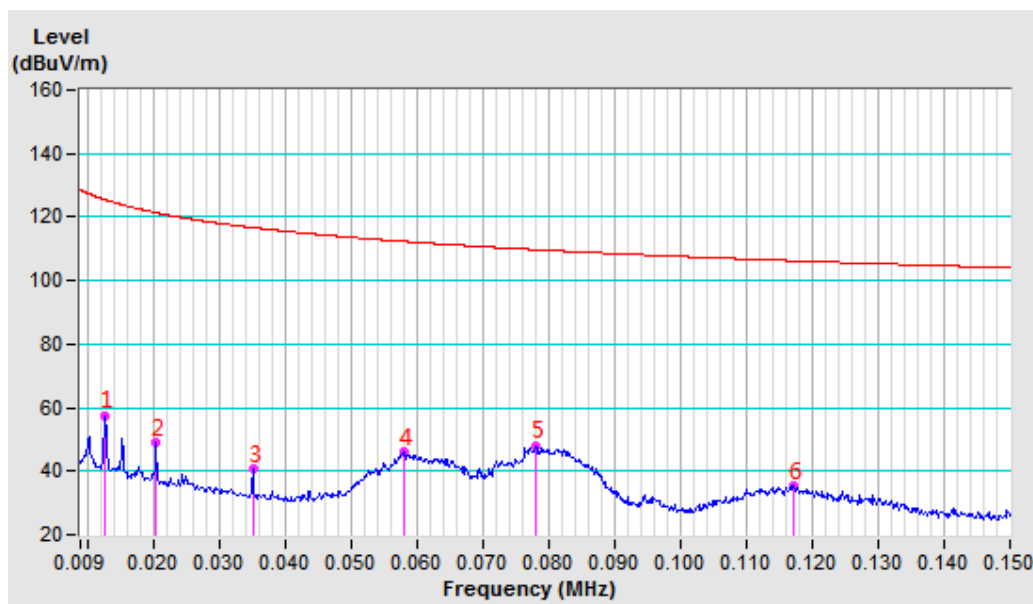
|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | A                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex             |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.3590 AV      | -11.61                         | 74.73                  | 63.12                         | 96.50             | -33.38         | 100                       | 324                        |
| 2                                                             | 1.0784 QP      | -11.74                         | 52.98                  | 41.24                         | 67.58             | -26.34         | 100                       | 338                        |
| 3                                                             | 1.7978 QP      | -11.69                         | 41.65                  | 29.96                         | 69.54             | -39.58         | 100                       | 185                        |
| 4                                                             | 4.4247 QP      | -11.35                         | 33.54                  | 22.19                         | 69.54             | -47.35         | 100                       | 14                         |
| 5                                                             | 7.9174 QP      | -10.91                         | 30.00                  | 19.09                         | 69.54             | -50.45         | 100                       | 292                        |
| 6                                                             | 10.7950 QP     | -10.76                         | 32.87                  | 22.11                         | 69.54             | -47.43         | 100                       | 152                        |



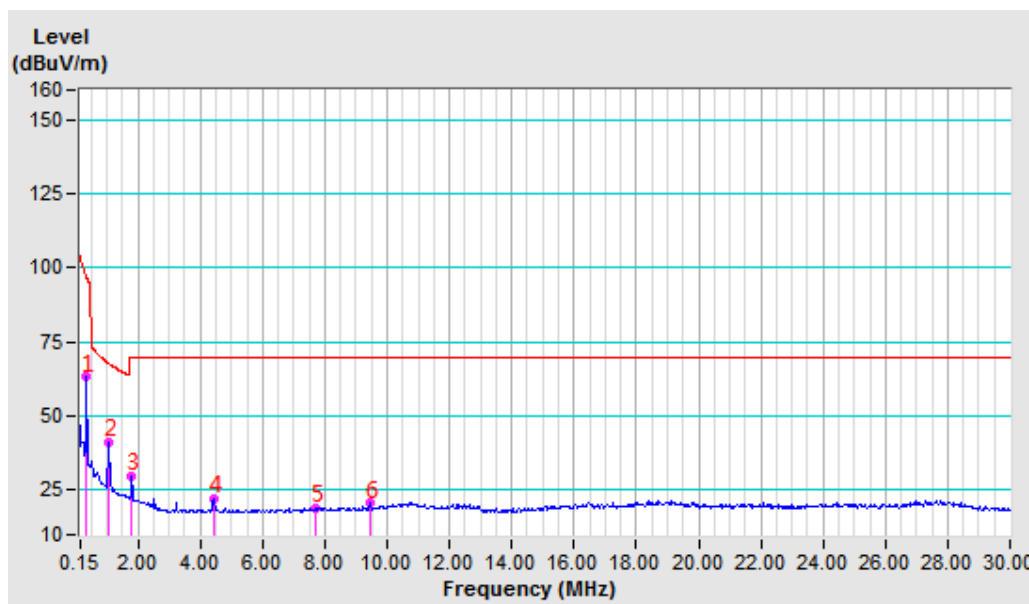
|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | A                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex            |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |             |                          |                  |                         |                |             |                     |                      |
|--------------------------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No                                                                 | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                                  | 0.0128 AV   | -10.48                   | 67.96            | 57.48                   | 125.46         | -67.98      | 100                 | 360                  |
| 2                                                                  | 0.0205 AV   | -10.98                   | 59.94            | 48.96                   | 121.37         | -72.41      | 100                 | 97                   |
| 3                                                                  | 0.0352 AV   | -11.63                   | 52.29            | 40.66                   | 116.67         | -76.01      | 100                 | 11                   |
| 4                                                                  | 0.0580 AV   | -11.67                   | 57.67            | 46.00                   | 112.33         | -66.33      | 100                 | 202                  |
| 5                                                                  | 0.0780 AV   | -11.67                   | 59.83            | 48.16                   | 109.76         | -61.60      | 100                 | 43                   |
| 6                                                                  | 0.1171 AV   | -11.66                   | 47.07            | 35.41                   | 106.23         | -70.82      | 100                 | 6                    |



|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | A                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex             |

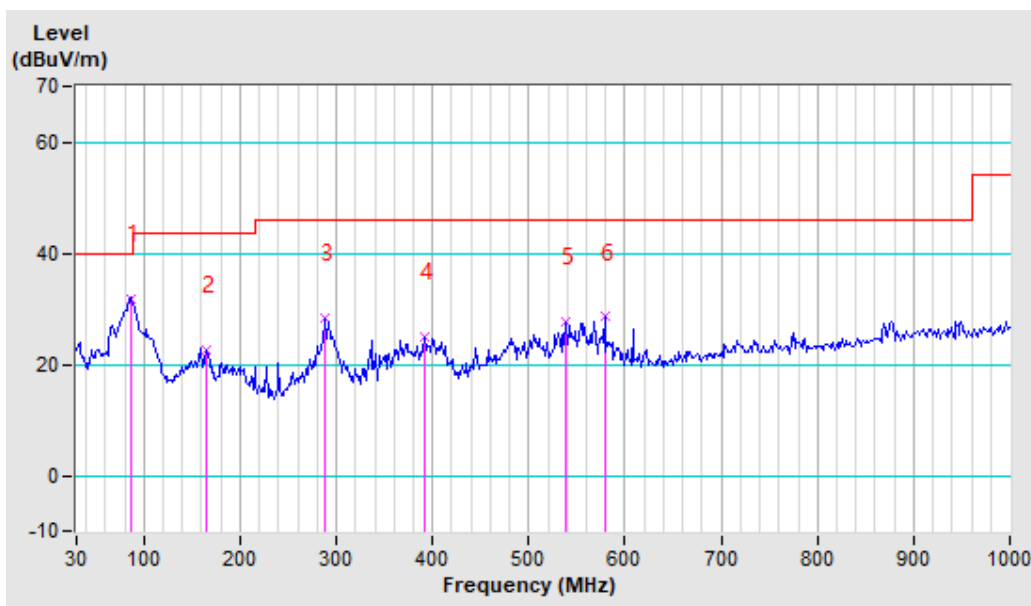
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                                 | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                                  | 0.3590 AV      | -11.61                         | 74.69                  | 63.08                         | 96.50             | -33.42         | 100                       | 328                        |
| 2                                                                  | 1.0784 QP      | -11.74                         | 52.90                  | 41.16                         | 67.58             | -26.42         | 100                       | 333                        |
| 3                                                                  | 1.7993 QP      | -11.69                         | 41.55                  | 29.86                         | 69.54             | -39.68         | 100                       | 188                        |
| 4                                                                  | 4.4262 QP      | -11.35                         | 33.39                  | 22.04                         | 69.54             | -47.50         | 100                       | 139                        |
| 5                                                                  | 7.6756 QP      | -10.95                         | 30.14                  | 19.19                         | 69.54             | -50.35         | 100                       | 240                        |
| 6                                                                  | 9.4607 QP      | -10.79                         | 31.33                  | 20.54                         | 69.54             | -49.00         | 100                       | 248                        |



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | A                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Horizontal At 3m |                |                                |                        |                               |                   |                |                           |                            |
|----------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No.                                                | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                  | 85.96          | -23.34                         | 55.08                  | 31.74                         | 40.00             | -8.26          | 200                       | 14                         |
| 2                                                  | 165.24         | -17.63                         | 40.19                  | 22.56                         | 43.50             | -20.94         | 200                       | 42                         |
| 3                                                  | 288.04         | -16.40                         | 44.70                  | 28.30                         | 46.00             | -17.70         | 200                       | 0                          |
| 4                                                  | 392.20         | -13.72                         | 38.65                  | 24.93                         | 46.00             | -21.07         | 200                       | 0                          |
| 5                                                  | 538.32         | -10.11                         | 37.76                  | 27.65                         | 46.00             | -18.35         | 200                       | 0                          |
| 6                                                  | 578.73         | -9.41                          | 37.93                  | 28.52                         | 46.00             | -17.48         | 200                       | 0                          |

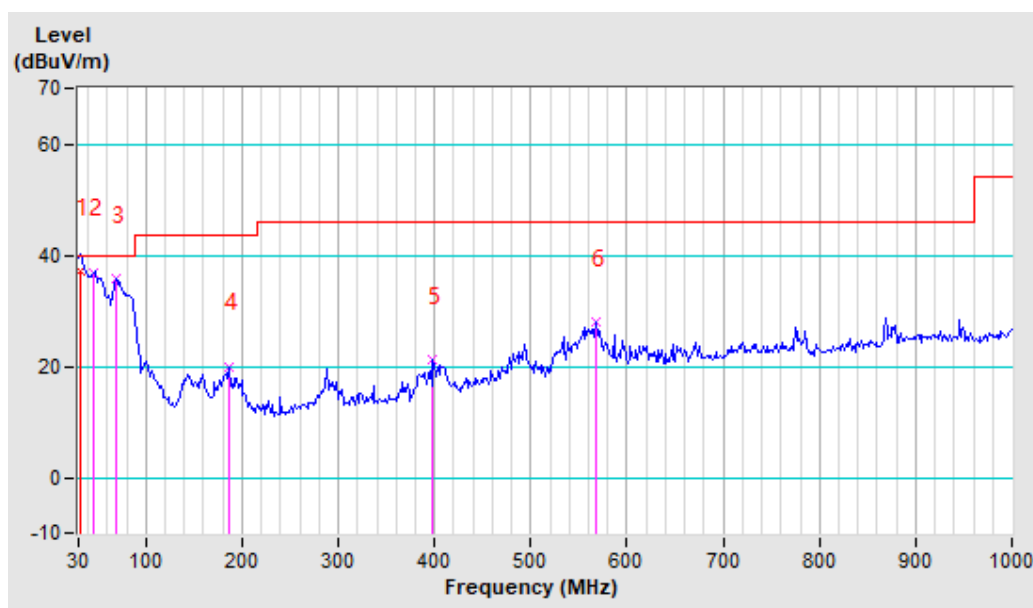
**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | A                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

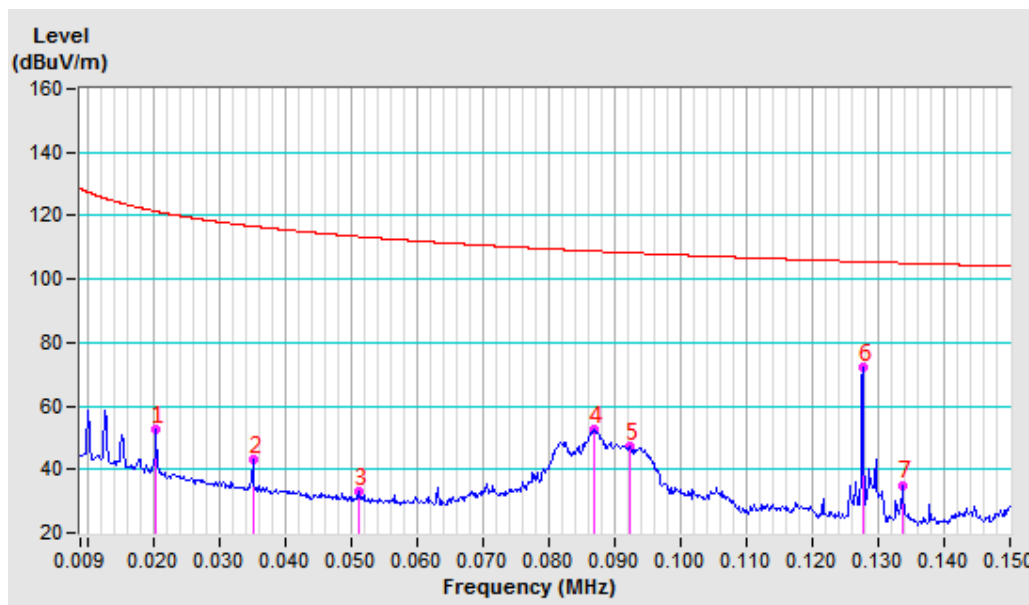
| Antenna Polarity & Test Distance: Vertical At 3m |             |                          |                  |                         |                |             |                     |                      |
|--------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No.                                              | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                | 31.55       | -19.60                   | 56.60            | 37.00                   | 40.00          | -3.00       | 100                 | 113                  |
| 2                                                | 45.54       | -18.27                   | 54.97            | 36.70                   | 40.00          | -3.30       | 100                 | 205                  |
| 3                                                | 68.86       | -19.37                   | 54.96            | 35.59                   | 40.00          | -4.41       | 100                 | 128                  |
| 4                                                | 187.00      | -19.76                   | 39.69            | 19.93                   | 43.50          | -23.57      | 100                 | 206                  |
| 5                                                | 398.41      | -13.59                   | 34.64            | 21.05                   | 46.00          | -24.95      | 100                 | 75                   |
| 6                                                | 567.85      | -9.60                    | 37.44            | 27.84                   | 46.00          | -18.16      | 100                 | 28                   |

**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | B                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex            |

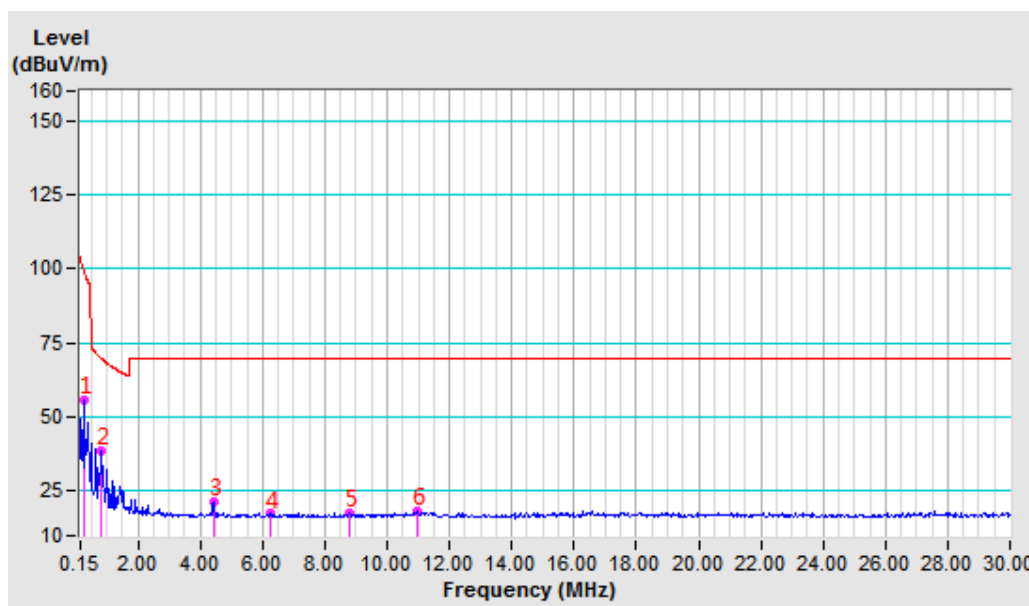
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.0204 AV      | -11.04                         | 63.68                  | 52.64                         | 121.41            | -68.77         | 100                       | 236                        |
| 2                                                             | 0.0352 AV      | -11.98                         | 54.94                  | 42.96                         | 116.67            | -73.71         | 100                       | 54                         |
| 3                                                             | 0.0512 AV      | -12.18                         | 45.04                  | 32.86                         | 113.42            | -80.56         | 100                       | 74                         |
| 4                                                             | 0.0869 AV      | -12.16                         | 64.53                  | 52.37                         | 108.82            | -56.45         | 100                       | 336                        |
| 5                                                             | 0.0923 QP      | -12.16                         | 59.48                  | 47.32                         | 108.30            | -60.98         | 100                       | 89                         |
| 6                                                             | 0.1277 AV      | -12.19                         | 84.33                  | 72.14                         | 105.48            | -33.34         | 100                       | 116                        |
| 7                                                             | 0.1337 AV      | -12.20                         | 47.08                  | 34.88                         | 105.08            | -70.20         | 100                       | 102                        |





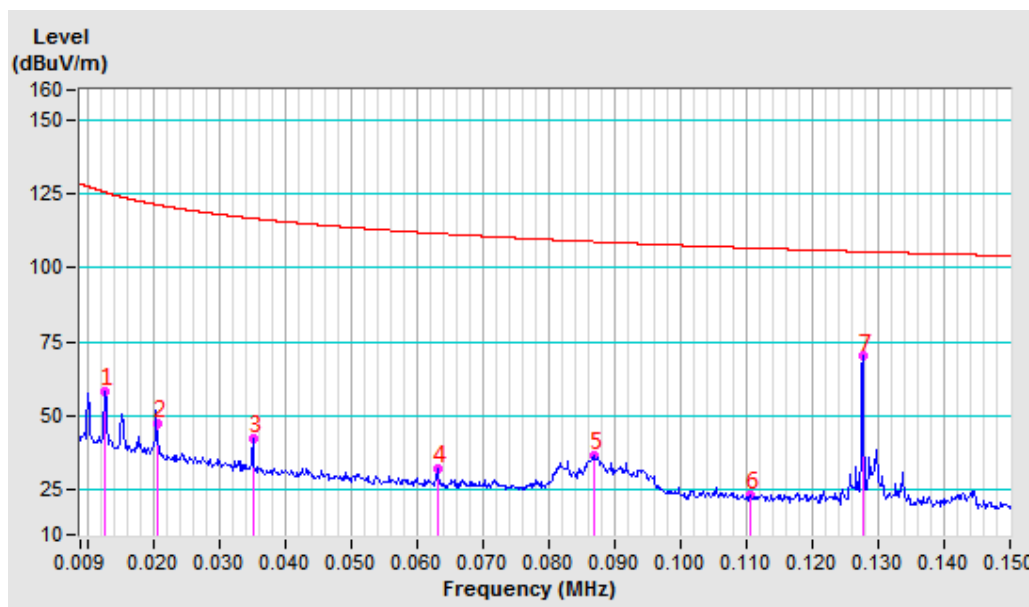
|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | B                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex             |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.2545 AV      | -12.26                         | 67.96                  | 55.70                         | 99.49             | -43.79         | 100                       | 300                        |
| 2                                                             | 0.8411 QP      | -12.21                         | 50.85                  | 38.64                         | 69.54             | -30.90         | 100                       | 106                        |
| 3                                                             | 4.4412 QP      | -11.84                         | 33.11                  | 21.27                         | 69.54             | -48.27         | 100                       | 360                        |
| 4                                                             | 6.2621 QP      | -11.65                         | 29.04                  | 17.39                         | 69.54             | -52.15         | 100                       | 316                        |
| 5                                                             | 8.7816 QP      | -11.30                         | 28.84                  | 17.54                         | 69.54             | -52.00         | 100                       | 313                        |
| 6                                                             | 10.9891 QP     | -11.11                         | 29.30                  | 18.19                         | 69.54             | -51.35         | 100                       | 283                        |



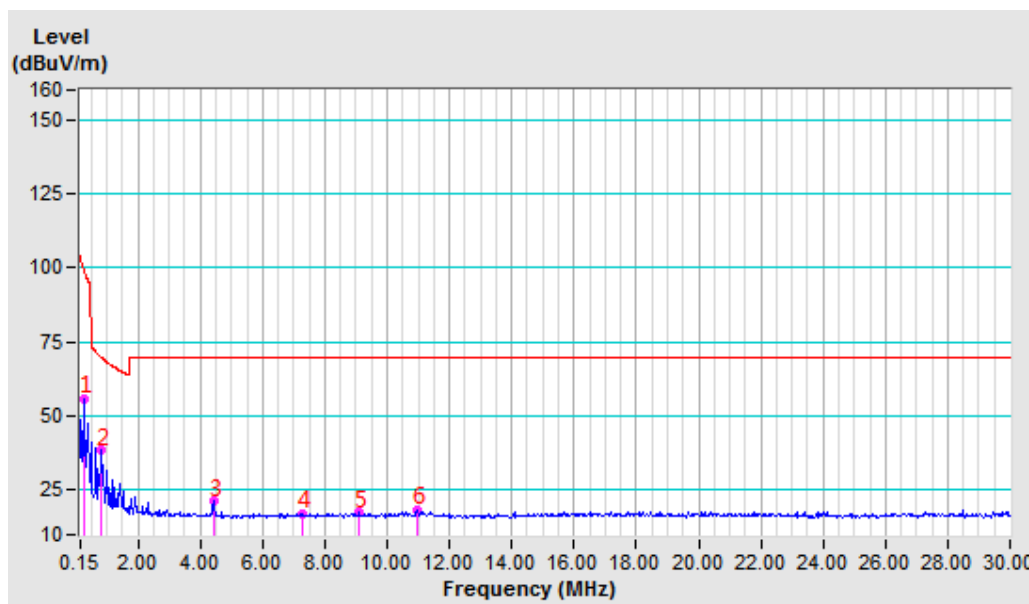
|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | B                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex            |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |             |                          |                  |                         |                |             |                     |                      |
|--------------------------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No                                                                 | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                                  | 0.0128 AV   | -10.35                   | 68.67            | 58.32                   | 125.46         | -67.14      | 100                 | 247                  |
| 2                                                                  | 0.0206 AV   | -11.05                   | 58.52            | 47.47                   | 121.33         | -73.86      | 100                 | 116                  |
| 3                                                                  | 0.0352 AV   | -11.98                   | 54.30            | 42.32                   | 116.67         | -74.35      | 100                 | 296                  |
| 4                                                                  | 0.0632 AV   | -12.18                   | 44.63            | 32.45                   | 111.59         | -79.14      | 100                 | 47                   |
| 5                                                                  | 0.0868 AV   | -12.16                   | 48.70            | 36.54                   | 108.83         | -72.29      | 100                 | 220                  |
| 6                                                                  | 0.1106 AV   | -12.18                   | 35.75            | 23.57                   | 106.73         | -83.16      | 100                 | 41                   |
| 7                                                                  | 0.1277 AV   | -12.19                   | 82.31            | 70.12                   | 105.48         | -35.36      | 100                 | 214                  |



|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | B                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex             |

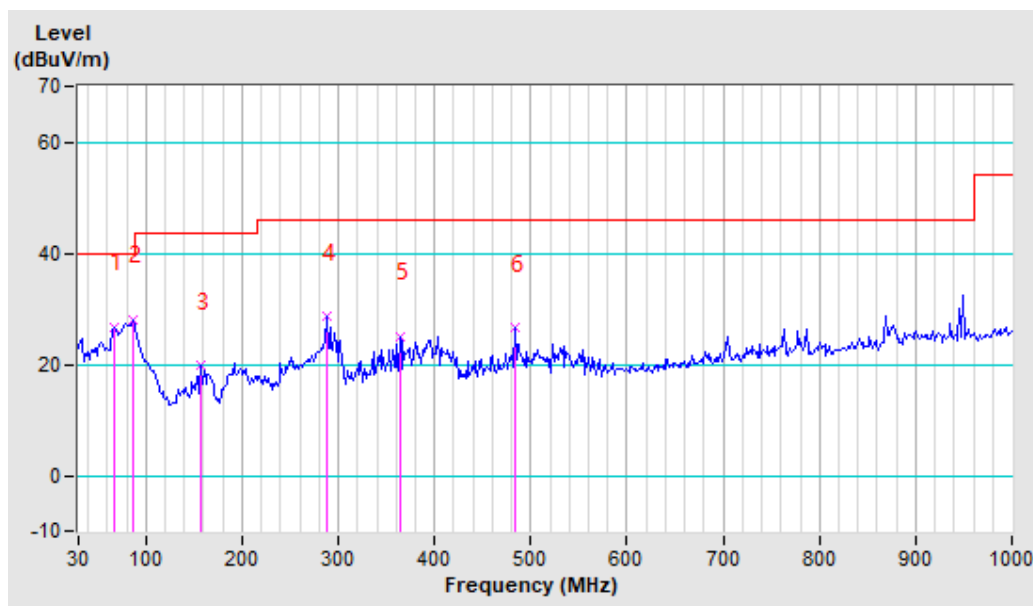
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                                 | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                                  | 0.2545 AV      | -12.26                         | 67.82                  | 55.56                         | 99.49             | -43.93         | 100                       | 284                        |
| 2                                                                  | 0.8411 AV      | -12.21                         | 50.50                  | 38.29                         | 69.54             | -31.25         | 100                       | 108                        |
| 3                                                                  | 4.4412 QP      | -11.84                         | 33.03                  | 21.19                         | 69.54             | -48.35         | 100                       | 19                         |
| 4                                                                  | 7.2651 QP      | -11.50                         | 28.72                  | 17.22                         | 69.54             | -52.32         | 100                       | 1                          |
| 5                                                                  | 9.1204 QP      | -11.26                         | 28.61                  | 17.35                         | 69.54             | -52.19         | 100                       | 126                        |
| 6                                                                  | 10.9786 QP     | -11.11                         | 29.21                  | 18.10                         | 69.54             | -51.44         | 100                       | 248                        |



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | B                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Horizontal At 3m |             |                          |                  |                         |                |             |                     |                      |
|----------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No.                                                | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                  | 67.31       | -19.05                   | 45.60            | 26.55                   | 40.00          | -13.45      | 100                 | 14                   |
| 2                                                  | 87.52       | -23.43                   | 51.50            | 28.07                   | 40.00          | -11.93      | 100                 | 42                   |
| 3                                                  | 157.47      | -17.14                   | 36.81            | 19.67                   | 43.50          | -23.83      | 100                 | 111                  |
| 4                                                  | 288.04      | -16.40                   | 44.91            | 28.51                   | 46.00          | -17.49      | 100                 | 0                    |
| 5                                                  | 364.21      | -14.29                   | 39.16            | 24.87                   | 46.00          | -21.13      | 100                 | 45                   |
| 6                                                  | 483.91      | -11.09                   | 37.57            | 26.48                   | 46.00          | -19.52      | 100                 | 98                   |

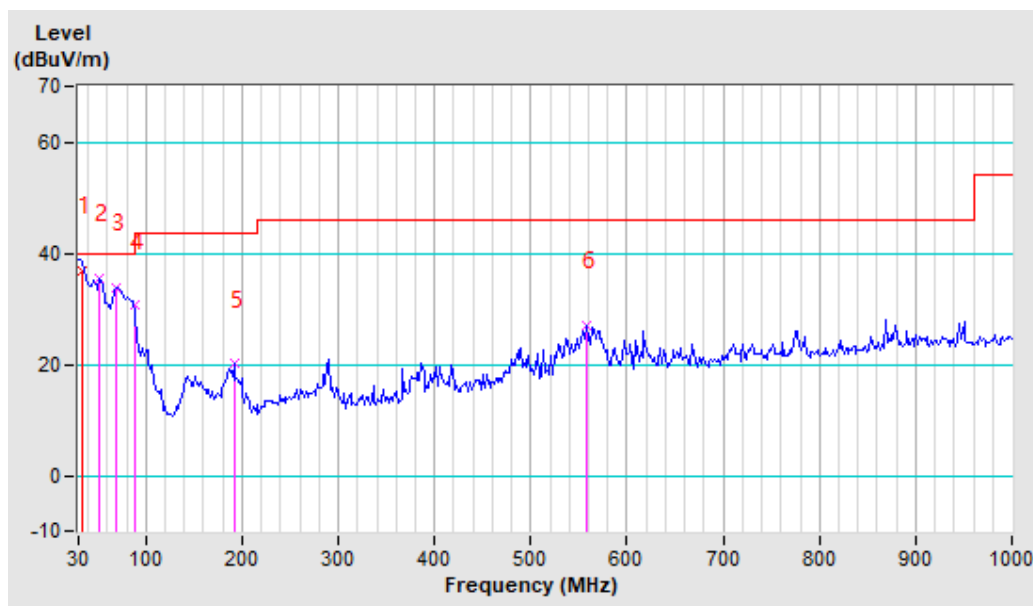
**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | B                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

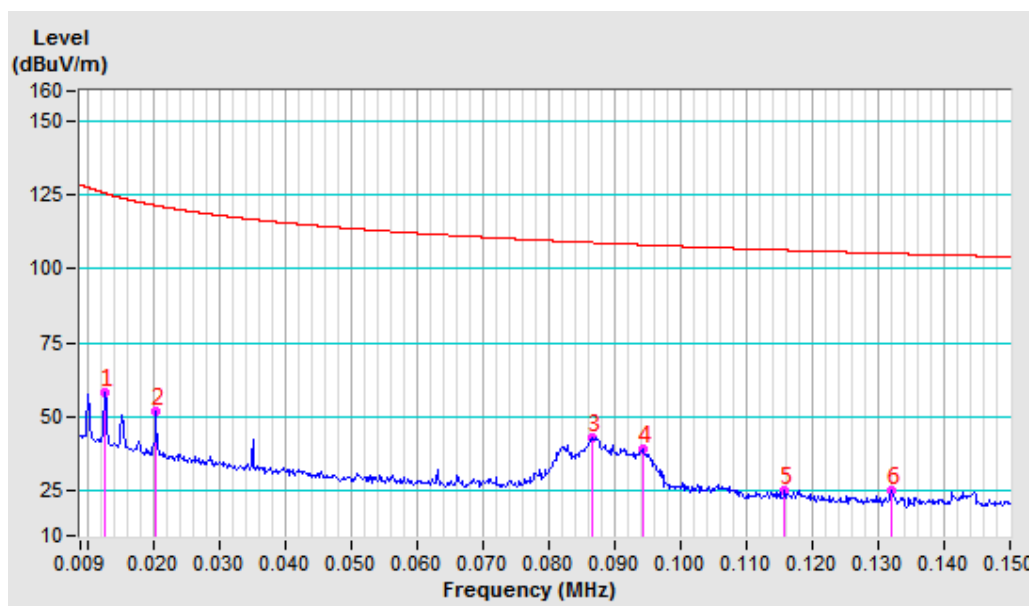
| Antenna Polarity & Test Distance: Vertical At 3m |             |                          |                  |                         |                |             |                     |                      |
|--------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No.                                              | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                | 32.95       | -19.56                   | 56.46            | 36.90                   | 40.00          | -3.10       | 100                 | 113                  |
| 2                                                | 51.76       | -17.94                   | 53.33            | 35.39                   | 40.00          | -4.61       | 100                 | 205                  |
| 3                                                | 68.86       | -19.37                   | 53.21            | 33.84                   | 40.00          | -6.16       | 100                 | 128                  |
| 4                                                | 88.00       | -23.45                   | 54.00            | 30.55                   | 40.00          | -9.45       | 100                 | 206                  |
| 5                                                | 191.67      | -20.05                   | 40.07            | 20.02                   | 43.50          | -23.48      | 100                 | 75                   |
| 6                                                | 558.53      | -9.77                    | 36.72            | 26.95                   | 46.00          | -19.05      | 100                 | 28                   |

**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



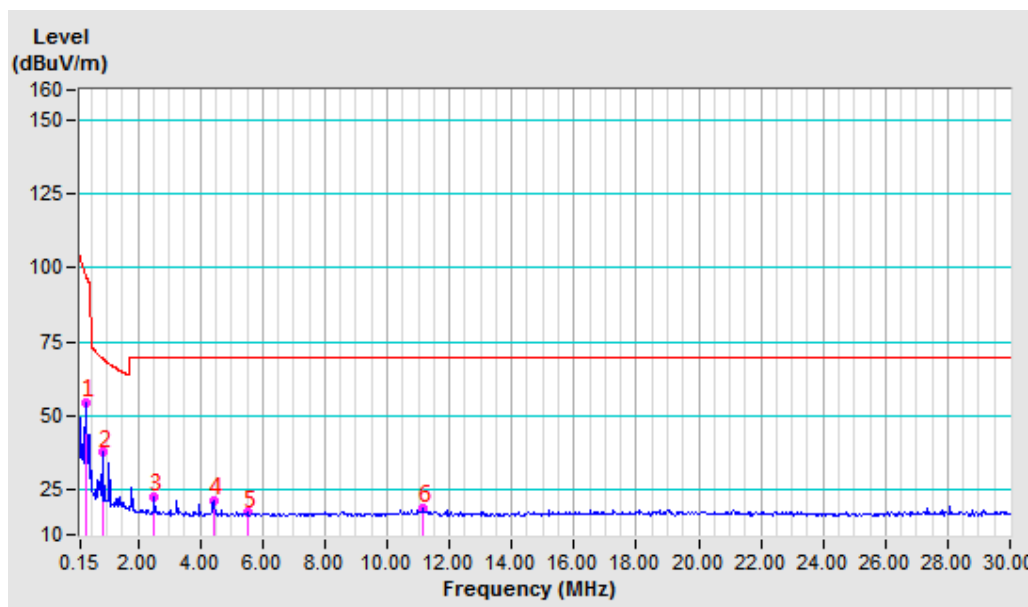
|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | C                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex            |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.0128 AV      | -10.35                         | 68.74                  | 58.39                         | 125.46            | -67.07         | 100                       | 41                         |
| 2                                                             | 0.0205 AV      | -11.05                         | 63.22                  | 52.17                         | 121.37            | -69.20         | 100                       | 113                        |
| 3                                                             | 0.0867 AV      | -12.16                         | 55.22                  | 43.06                         | 108.84            | -65.78         | 100                       | 31                         |
| 4                                                             | 0.0942 QP      | -12.16                         | 51.46                  | 39.30                         | 108.12            | -68.82         | 100                       | 96                         |
| 5                                                             | 0.1158 AV      | -12.18                         | 37.34                  | 25.16                         | 106.33            | -81.17         | 100                       | 202                        |
| 6                                                             | 0.1320 AV      | -12.20                         | 37.52                  | 25.32                         | 105.19            | -79.87         | 100                       | 52                         |



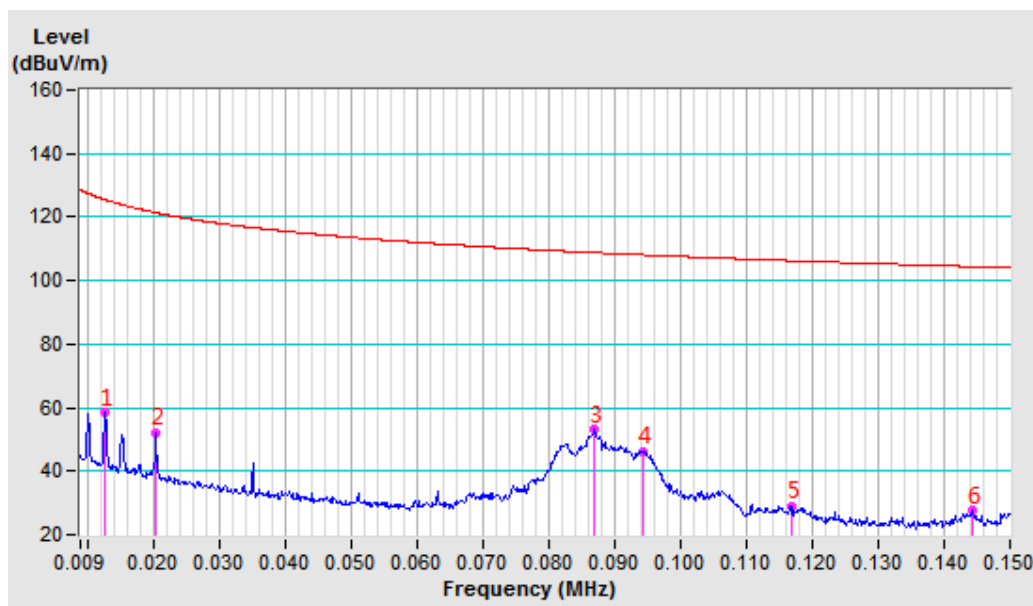
|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | C                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from Adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex             |

| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PARALLEL AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|---------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                            | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                             | 0.3590 AV      | -12.25                         | 66.99                  | 54.74                         | 96.50             | -41.76         | 100                       | 258                        |
| 2                                                             | 0.8500 QP      | -12.20                         | 49.88                  | 37.68                         | 69.46             | -31.78         | 100                       | 106                        |
| 3                                                             | 2.5187 QP      | -12.00                         | 34.94                  | 22.94                         | 69.54             | -46.60         | 100                       | 234                        |
| 4                                                             | 4.4262 QP      | -11.85                         | 33.49                  | 21.64                         | 69.54             | -47.90         | 100                       | 309                        |
| 5                                                             | 5.5382 QP      | -11.74                         | 29.07                  | 17.33                         | 69.54             | -52.21         | 100                       | 267                        |
| 6                                                             | 11.1533 QP     | -11.10                         | 30.16                  | 19.06                         | 69.54             | -50.48         | 100                       | 68                         |



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | C                                          | Frequency Range   | 9 kHz ~ 150 KHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV           |
| Environmental Conditions | 23deg. C, 57% R                            | Tested By         | Alex            |

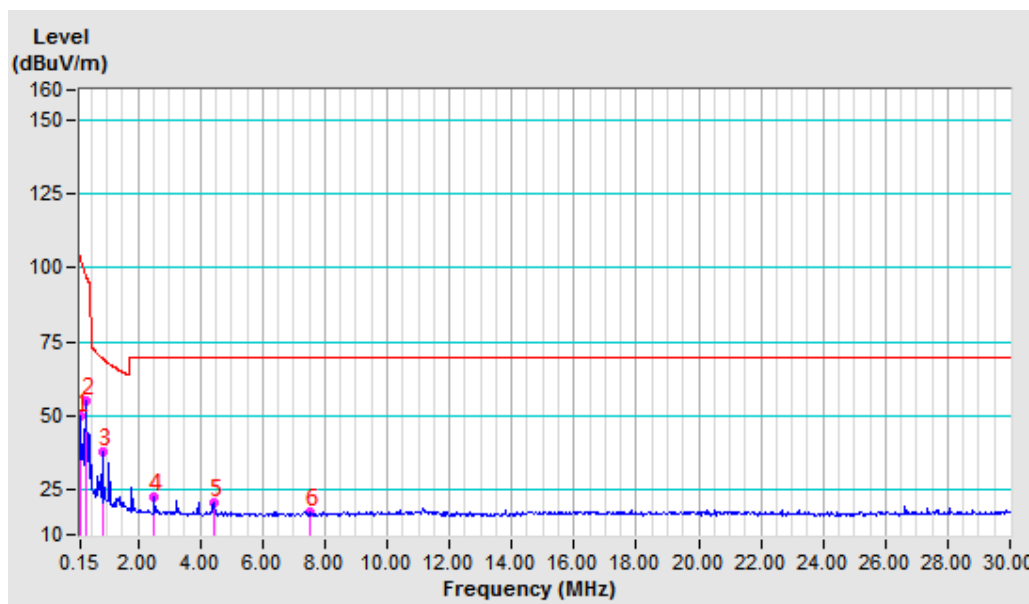
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |             |                          |                  |                         |                |             |                     |                      |
|--------------------------------------------------------------------|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No                                                                 | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1                                                                  | 0.0128 AV   | -10.35                   | 68.68            | 58.33                   | 125.46         | -67.13      | 100                 | 22                   |
| 2                                                                  | 0.0204 AV   | -11.04                   | 63.24            | 52.20                   | 121.41         | -69.21      | 100                 | 67                   |
| 3                                                                  | 0.0870 AV   | -12.16                   | 65.24            | 53.08                   | 108.81         | -55.73      | 100                 | 94                   |
| 4                                                                  | 0.0943 AV   | -12.16                   | 58.53            | 46.37                   | 108.11         | -61.74      | 100                 | 347                  |
| 5                                                                  | 0.1168 AV   | -12.18                   | 41.36            | 29.18                   | 106.25         | -77.07      | 100                 | 255                  |
| 6                                                                  | 0.1443 AV   | -12.20                   | 39.71            | 27.51                   | 104.42         | -76.91      | 100                 | 74                   |





|                          |                                            |                   |                  |
|--------------------------|--------------------------------------------|-------------------|------------------|
| Test Mode                | C                                          | Frequency Range   | 150 kHz ~ 30 MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | QP&AV            |
| Environmental Conditions | 23deg. C, 57% RH                           | Tested By         | Alex             |

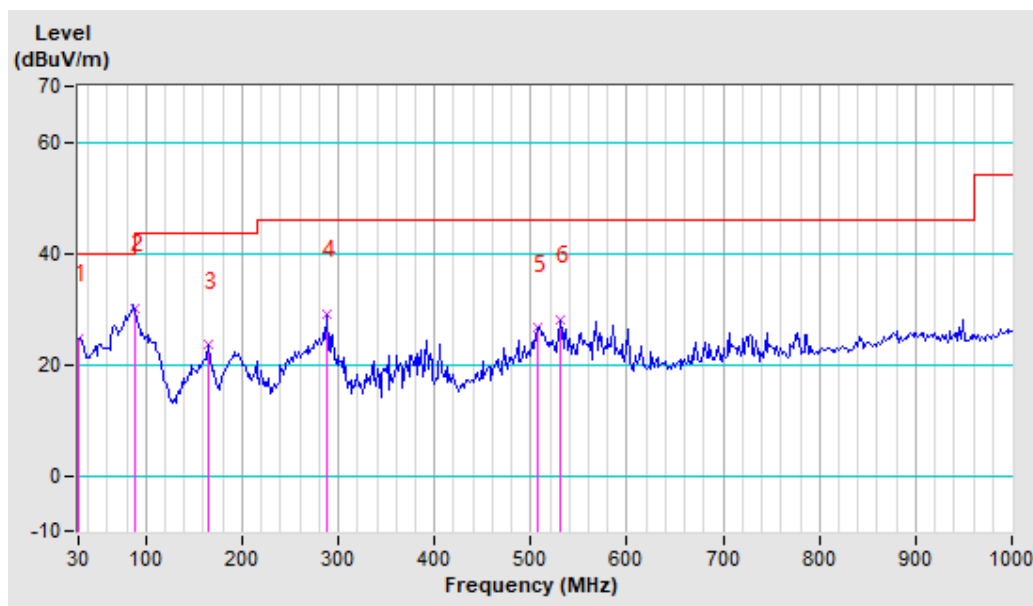
| ANTENNA POLARITY & TEST DISTANCE: LOOP ANTENNA PERPENDICULAR AT 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No                                                                 | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                                  | 0.1724 AV      | -12.22                         | 61.97                  | 49.75                         | 102.87            | -53.12         | 100                       | 115                        |
| 2                                                                  | 0.3590 AV      | -12.25                         | 67.19                  | 54.94                         | 96.50             | -41.56         | 100                       | 251                        |
| 3                                                                  | 0.8515 QP      | -12.20                         | 50.03                  | 37.83                         | 69.44             | -31.61         | 100                       | 112                        |
| 4                                                                  | 2.5187 QP      | -12.00                         | 35.00                  | 23.00                         | 69.54             | -46.54         | 100                       | 188                        |
| 5                                                                  | 4.4262 QP      | -11.85                         | 32.87                  | 21.02                         | 69.54             | -48.52         | 100                       | 360                        |
| 6                                                                  | 7.4994 QP      | -11.47                         | 29.18                  | 17.71                         | 69.54             | -51.83         | 100                       | 2                          |



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | C                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Horizontal At 3m |                |                                |                        |                               |                   |                |                           |                            |
|----------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No.                                                | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                  | 30.00          | -19.66                         | 44.32                  | 24.66                         | 40.00             | -15.34         | 200                       | 14                         |
| 2                                                  | 89.07          | -23.50                         | 53.65                  | 30.15                         | 43.50             | -13.35         | 200                       | 42                         |
| 3                                                  | 165.24         | -17.63                         | 41.02                  | 23.39                         | 43.50             | -20.11         | 200                       | 0                          |
| 4                                                  | 288.04         | -16.40                         | 45.35                  | 28.95                         | 46.00             | -17.05         | 200                       | 0                          |
| 5                                                  | 507.23         | -10.60                         | 37.10                  | 26.50                         | 46.00             | -19.50         | 200                       | 0                          |
| 6                                                  | 530.54         | -10.23                         | 38.28                  | 28.05                         | 46.00             | -17.95         | 200                       | 0                          |

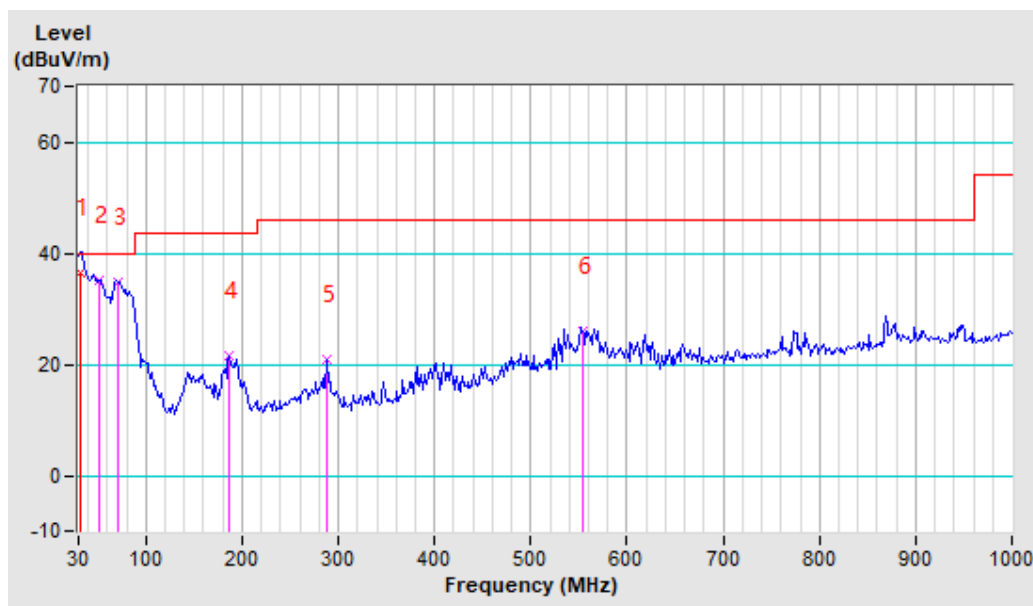
**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



|                          |                                            |                   |                 |
|--------------------------|--------------------------------------------|-------------------|-----------------|
| Test Mode                | C                                          | Frequency Range   | 30MHz ~ 1000MHz |
| Test Voltage             | Powered from adapter<br>Input AC 120V 60Hz | Detector Function | Quasi-Peak (QP) |
| Environmental Conditions | 25deg. C, 53% RH                           | Tested By         | Eric Fang       |

| Antenna Polarity & Test Distance: Vertical At 3m |                |                                |                        |                               |                   |                |                           |                            |
|--------------------------------------------------|----------------|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|
| No.                                              | Freq.<br>(MHz) | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |
| 1                                                | 31.28          | -19.61                         | 56.10                  | 36.49                         | 40.00             | -3.51          | 100                       | 113                        |
| 2                                                | 51.76          | -17.94                         | 53.03                  | 35.09                         | 40.00             | -4.91          | 100                       | 205                        |
| 3                                                | 71.97          | -20.22                         | 55.06                  | 34.84                         | 40.00             | -5.16          | 100                       | 128                        |
| 4                                                | 187.00         | -19.76                         | 41.34                  | 21.58                         | 43.50             | -21.92         | 100                       | 206                        |
| 5                                                | 288.04         | -16.40                         | 37.23                  | 20.83                         | 46.00             | -25.17         | 100                       | 75                         |
| 6                                                | 553.86         | -9.86                          | 35.95                  | 26.09                         | 46.00             | -19.91         | 100                       | 28                         |

**REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.  
2. Negative sign (-) in the margin column signify levels below the limit.  
3. Frequency range scanned: 30-1000MHz.  
4. Only emissions significantly above equipment noise floor are reported.



## 4.2 20dB BANDWIDTH MEASUREMENT

### 4.2.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

The field strength of any emissions appearing between the band edges and out of band shall be attenuated at least 20 dB below the level of the unmodulated carrier or to the general limits in Section 15.209.

### 4.2.2 TEST INSTRUMENTS

| Equipment                        | Manufacturer  | Model No.                     | Serial No.  | Next Cal.   |
|----------------------------------|---------------|-------------------------------|-------------|-------------|
| Power Sensor                     | Keysight      | U2021XA                       | MY57320002  | May 11, 24  |
| Power Meter                      | Anritsu       | ML2495A                       | 1139001     | Jul. 11, 24 |
| Power Sensor                     | Anritsu       | MA2411B                       | 1531155     | Jul. 11, 24 |
| Digital Multimeter               | FLUKE         | 15B                           | A1220010DG  | N/A         |
| Humid & Temp Programmable Tester | Haida         | HD-225T                       | 110807201   | Oct. 15, 24 |
| Oscilloscope                     | Agilent       | DSO9254A                      | MY51260160  | Jul. 11, 24 |
| Signal and Spectrum Analyzer     | Rohde&Schwarz | FSV40                         | 101094      | Jan. 01, 25 |
| Signal Generator                 | Agilent       | N5183A                        | MY50140980  | Jul. 23, 24 |
| MXG-B RF Vector Signal Generator | Keysight      | N5182B                        | MY56200288  | Jul. 11, 24 |
| BLUETOOTH TESTER                 | Rohde&Schwarz | CBT32                         | 100811      | N/A         |
| Attenuator                       | MINI          | BW-S10W2+                     | S130129FGE2 | N/A         |
| DC Source                        | Keysight      | E3642A                        | MY56146098  | N/A         |
| Test software                    | ADT           | ADT_RF Test Software V6.6.5.3 | N/A         | N/A         |

**NOTE:**

1. The test was performed in RF Oven room. (Chenwu).
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

### 4.2.3 TEST PROCEDURE

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from

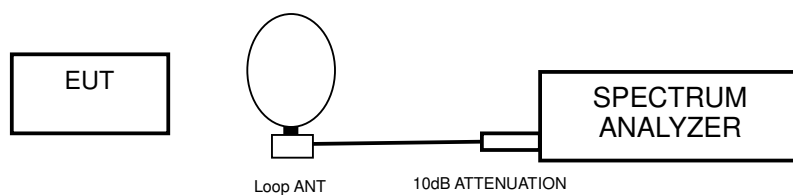
the reference level. Record the frequency difference as the emission bandwidth.

d. Repeat above procedures until all frequencies measured were complete.

#### **4.2.4 DEVIATION FROM TEST STANDARD**

No deviation.

#### **4.2.5 TEST SETUP**



#### **4.2.6 EUT OPERATING CONDITION**

- a. Turn on the EUT.
- b. The EUT tested in charging mode and standby mode respectively.



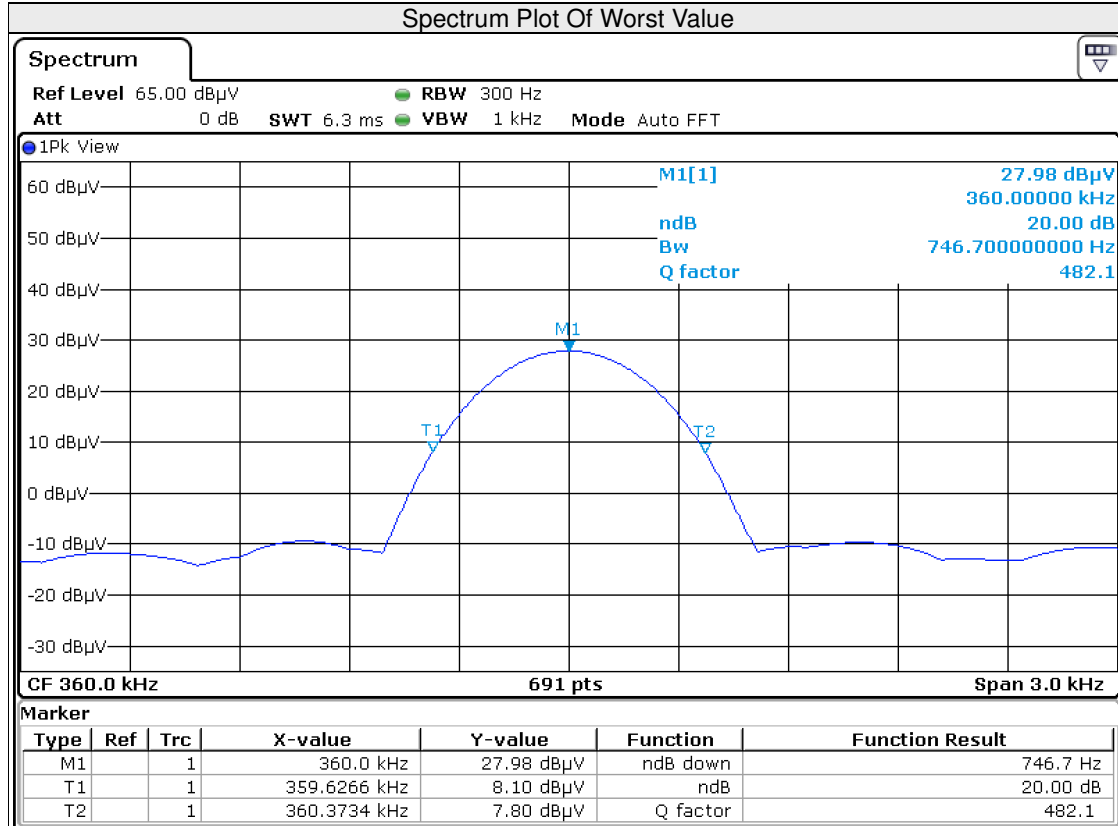
BUREAU  
VERITAS

Test Report No.: RF2404WDG0125

## 4.2.7 TEST RESULTS

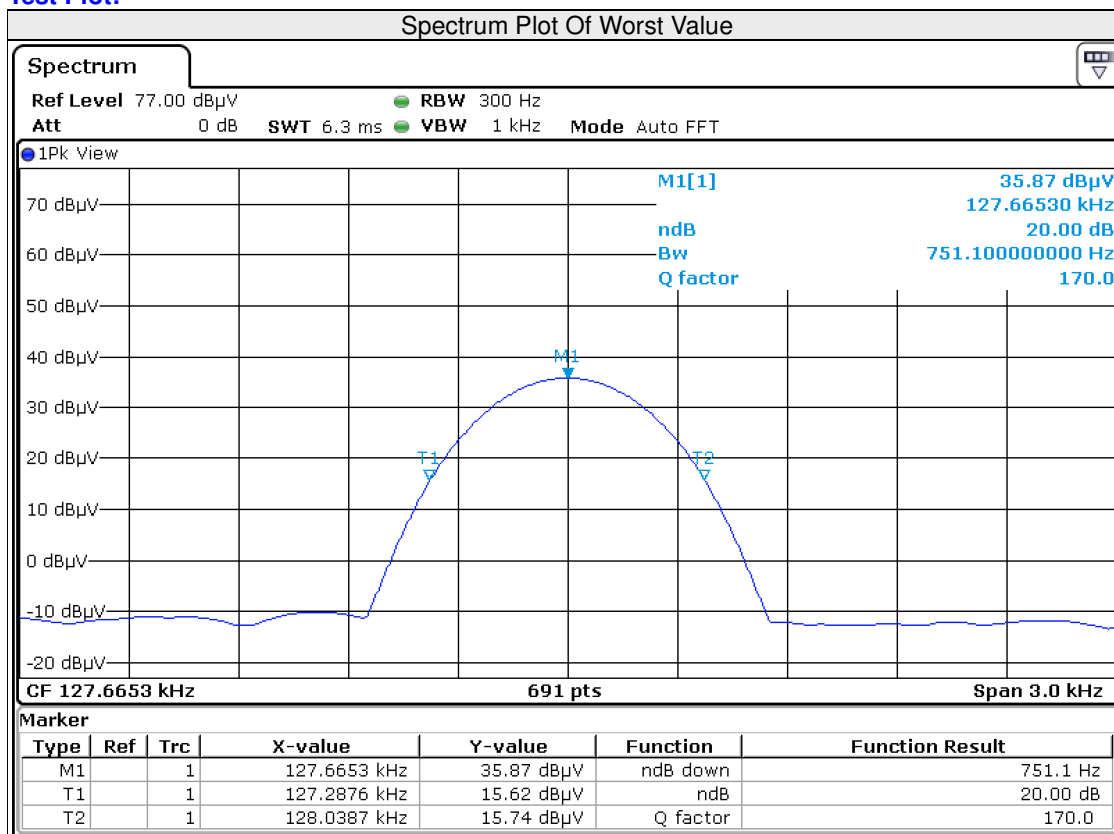
| Test Mode | Frequency (kHz) | 20dB Bandwidth (Hz) |
|-----------|-----------------|---------------------|
| A         | 360.0           | 746.7               |

### Test Plot:



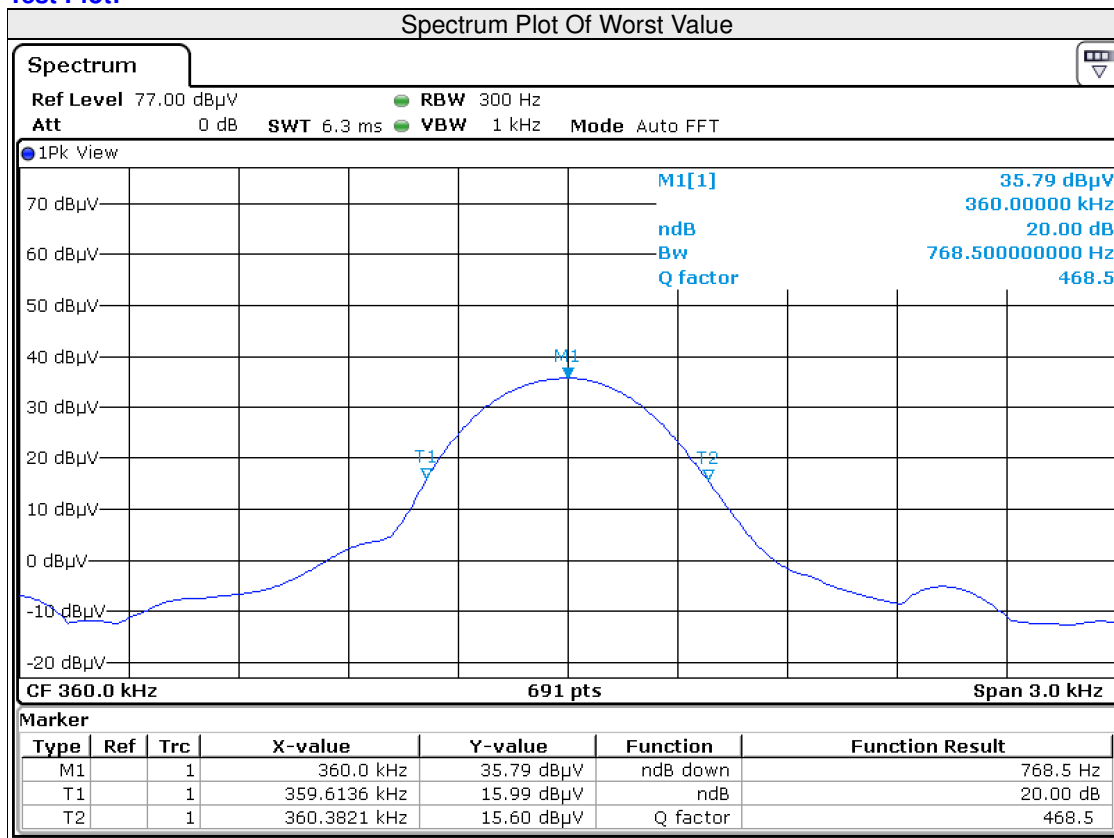
| Test Mode | Frequency (kHz) | 20dB Bandwidth (Hz) |
|-----------|-----------------|---------------------|
| B         | 127.7           | 751.1               |

**Test Plot:**



| Test Mode | Frequency (kHz) | 20dB Bandwidth (Hz) |
|-----------|-----------------|---------------------|
| C         | 360.0           | 768.5               |

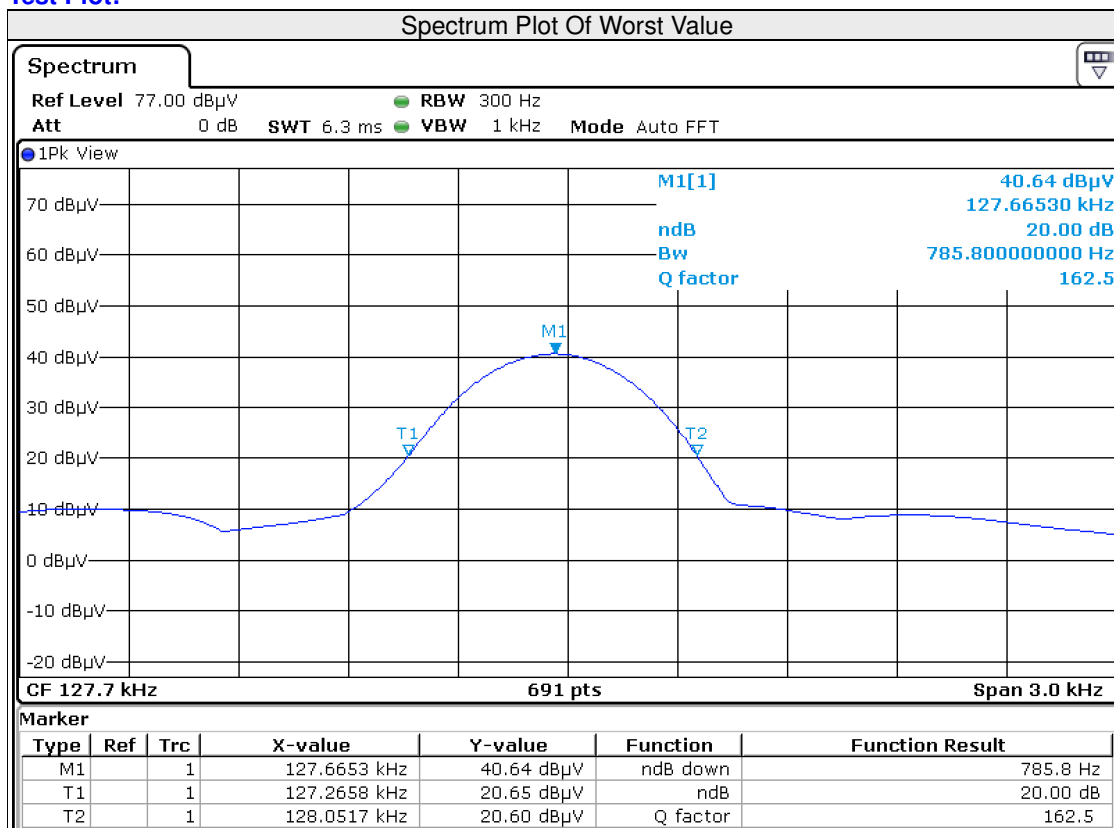
**Test Plot:**





| Test Mode | Frequency (kHz) | 20dB Bandwidth (Hz) |
|-----------|-----------------|---------------------|
| D         | 127.7           | 785.8               |

**Test Plot:**





Test Report No.: RF2404WDG0125

## 6 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



Test Report No.: RF2404WDG0125

## 7 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---