



## FCC Test Report

Report No: FCS202509127W01

Issued for

|                                                                                                                                                                                                                                                                             |                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Applicant:                                                                                                                                                                                                                                                                  | Adam Elements International Co., LTD.                                                    |
| Address:                                                                                                                                                                                                                                                                    | 8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist.,<br>Taipei City 106, Taiwan        |
| Product Name:                                                                                                                                                                                                                                                               | Qi2 Ultra Slim Power Bank                                                                |
| Brand Name:                                                                                                                                                                                                                                                                 |  ADAM |
| Model Name:                                                                                                                                                                                                                                                                 | VIONTA Q10                                                                               |
| Series Model:                                                                                                                                                                                                                                                               | N/A                                                                                      |
| FCC ID:                                                                                                                                                                                                                                                                     | 2ABY9VIONTA-Q10                                                                          |
| Test Standard:                                                                                                                                                                                                                                                              | FCC Part 15C                                                                             |
| Issued By: Flux Compliance Service Laboratory<br>Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech<br>Industrial, Song shan lake Dongguan<br>Tel: 769-27280901 Fax:769-27280901 <a href="http://www.fcs-lab.com">http://www.fcs-lab.com</a> |                                                                                          |

## EST RESULT CERTIFICATION

Applicant's Name .....: Adam Elements International Co., LTD.  
Address .....: 8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 106, Taiwan  
Manufacture's Name .....: Guangdong Yicheng Technology Co., Ltd  
Address .....: Room1001, No. 247 Huaide Road, Humen Town, Dongguan City, Guangdong Province

### Product Description

Product Name .....: Qi2 Ultra Slim Power Bank  
Brand Name .....:  ADAM  
Model Name.....: VIONTA Q10  
Series Model .....: N/A  
Test Standards .....: FCC Rules and Regulations Part 15 Subpart C  
Test Procedure .....: ANSI C63.10:2013

This device described above has been tested FCS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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### Date of Test.....:

Date (s) of performance of tests.: Sept. 05, 2025 ~ Sept. 17, 2025

Date of Issue .....: Sept. 17, 2025

Test Result .....: Pass

Tested by

:

*Scott Shen*

(Scott Shen)

Reviewed by

:

*Duke Qian*

(Duke Qian)

Approved by

:

*Jack Wang*

(Jack Wang)



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**Revision History**

| Rev. | Issue Date     | Effect Page | Contents      |
|------|----------------|-------------|---------------|
| 00   | Sept. 17, 2025 | ALL         | Initial Issue |
|      |                |             |               |

## 1. SUMMARY OF TEST RESULTS

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

## NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report
- (2) All tests are according to ANSI C63.10-2013

## 1.1 TEST FACTORY

|                                                                                                                               |                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Company Name:                                                                                                                 | Flux Compliance Service Laboratory                                                                               |
| Address:                                                                                                                      | Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan |
| Telephone:                                                                                                                    | +86-769-27280901                                                                                                 |
| Fax:                                                                                                                          | +86-769-27280901                                                                                                 |
| FCC Test Firm Registration Number: 514908<br>Designation number: CN0127<br>A2LA accreditation number: 5545.01<br>CNAS: L15566 |                                                                                                                  |

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately **95** %.

| No. | Item                                  | Uncertainty   |
|-----|---------------------------------------|---------------|
| 1   | Conducted Emission (9KHz-150KHz)      | $\pm 4.13$ dB |
| 2   | Conducted Emission (150KHz-30MHz)     | $\pm 4.74$ dB |
| 3   | All emissions, radiated 9kHz-30MHz    | $\pm 3.10$ dB |
| 4   | All emissions, radiated 30MHz-1000MHz | $\pm 3.20$ dB |
| 5   | Occupied Channel Bandwidth            | $\pm 3.5\%$   |

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF THE EUT

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name            | Qi2 Ultra Slim Power Bank                                                                                                                                                            |
| Trade Name              |  ADAM                                                                                               |
| Model Name              | VIONTA Q10                                                                                                                                                                           |
| Series Model            | N/A                                                                                                                                                                                  |
| Model Difference        | N/A                                                                                                                                                                                  |
| Operation frequency     | 110.5kHz-205kHz, 360kHz                                                                                                                                                              |
| Modulation Technology   | ASK                                                                                                                                                                                  |
| Antenna Type            | Loop coil antenna                                                                                                                                                                    |
| Antenna gain            | 0dBi                                                                                                                                                                                 |
| Power Supply            | Input: 5V=3A, 9V=3A, 12V=2.5A, 15V=2A, 20V=1.5A<br>Output:<br>Wireless: 5W / 7.5W / 10W / 15W<br>USB-C: 5V=3A, 9V=3A, 12V=2.5A, 15V=2A, 20V=1.5A<br>Wireless + USB-C: 5V=3A, 15W max |
| Hardware version number | V1.0                                                                                                                                                                                 |
| Software version number | V1.0                                                                                                                                                                                 |
| Connecting I/O Port(s)  | Please refer to the User's Manual                                                                                                                                                    |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type      | Connector | Gain (dBi) | NOTE |
|------|-------|------------|-------------------|-----------|------------|------|
| 1    | N/A   | N/A        | Loop coil antenna | N/A       | 0          | N/A  |

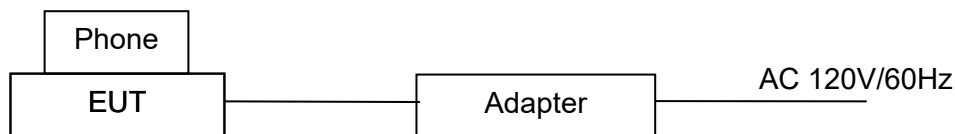
## 2.2 DESCRIPTION OF THE TEST MODES

| Test Mode                                                                                        | Description                  |            |
|--------------------------------------------------------------------------------------------------|------------------------------|------------|
| Mode 1                                                                                           | EUT + Load (15W)             | Record     |
| Mode 2                                                                                           | EUT + Load (10W)             | Pre-tested |
| Mode 3                                                                                           | EUT + Load (7.5W)            | Pre-tested |
| Mode 4                                                                                           | EUT + Load (5W)              | Pre-tested |
| Mode 5                                                                                           | AC Adapter + EUT + Load (5W) | Pre-tested |
| Mode 6                                                                                           | Test the EUT in idle mode.   | Pre-tested |
| Note: EUT has been tested in both AC mode and DC mode, and the report only shows the worst mode. |                              |            |

## 2.3 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

EUT was tested in normal configuration (Please See following Block diagram)

Mode 1



### Necessary accessories

| Item | Equipment | Mfr/Brand | Model/Type No. | Serial No. | Note |
|------|-----------|-----------|----------------|------------|------|
| 1    | USB Cable | N/A       | N/A            | N/A        | 20cm |
|      |           |           |                |            |      |
|      |           |           |                |            |      |
|      |           |           |                |            |      |

### Support units

| No. | Equipment | Mfr/Brand | Model No. | Serial No. | Power cord | Signal cord |
|-----|-----------|-----------|-----------|------------|------------|-------------|
| 1   | Adapter   | HNT       | HNT-QC530 | N/A        | N/A        | N/A         |
| 2   | Load      | YBZ       | 15W       | N/A        | N/A        | N/A         |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

## 2.4 EQUIPMENTS LIST

### Radiation Test equipment

| Kind of Equipment                | Manufacturer               | Type No.     | Company No. | Last calibration | Calibrated until |
|----------------------------------|----------------------------|--------------|-------------|------------------|------------------|
| EMI Test Receiver                | R&S                        | ESRP 3       | FCS-E001    | 2025.08.26       | 2026.08.25       |
| Signal Analyzer                  | R&S                        | FSV40-N      | FCS-E012    | 2025.08.26       | 2026.08.25       |
| Active loop Antenna              | ZHINAN                     | ZN30900C     | FCS-E013    | 2025.08.26       | 2026.08.25       |
| Bilog Antenna                    | SCHWARZBECK                | VULB 9168    | FCS-E002    | 2025.08.26       | 2026.08.25       |
| Horn Antenna                     | SCHWARZBECK                | BBHA 9120D   | FCS-E003    | 2025.08.26       | 2026.08.25       |
| SHF-EHF Horn Antenna (18G-40GHz) | A-INFO                     | LB-180400-KF | FCS-E018    | 2025.08.26       | 2026.08.25       |
| Pre-Amplifier(0.1M-3GHz)         | EMCI                       | EM330N       | FCS-E004    | 2025.08.26       | 2026.08.25       |
| Pre-Amplifier (1G-18GHz)         | N/A                        | TSAMP-0518SE | FCS-E014    | 2025.08.26       | 2026.08.25       |
| Pre-Amplifier (18G-40GHz)        | TERA-MW                    | TRLA-0400    | FCS-E019    | 2025.08.26       | 2026.08.25       |
| Temperature & Humidity           | HTC-1                      | victor       | FCS-E005    | 2025.08.26       | 2026.08.25       |
| Low frequency cable (9k-1GHz)    | Gemma Technology           | R03          | FCS-E031    | 2025.08.26       | 2026.08.25       |
| Low frequency cable (1-18GHz)    | Gemma Technology           | R04          | FCS-E032    | 2025.08.26       | 2026.08.25       |
| Low frequency cable (18-40GHz)   | Gemma Technology           | R05          | FCS-E033    | 2025.08.26       | 2026.08.25       |
| Testing Software                 | EZ-EMC(Ver.STSLAB 03A1 RE) |              |             |                  |                  |

### Conduction Test equipment

| Kind of Equipment      | Manufacturer              | Type No. | Company No. | Last calibration | Calibrated until |
|------------------------|---------------------------|----------|-------------|------------------|------------------|
| EMI Test Receiver      | R&S                       | ESPI     | FCS-E020    | 2025.08.26       | 2026.08.25       |
| LISN                   | R&S                       | ENV216   | FCS-E007    | 2025.08.26       | 2026.08.25       |
| LISN                   | ETS                       | 3810/2NM | FCS-E009    | 2025.08.26       | 2026.08.25       |
| Temperature & Humidity | HTC-1                     | victor   | FCS-E008    | 2025.08.26       | 2026.08.25       |
| Testing Software       | EZ-EMC(Ver.EMC-CON 3A1.1) |          |             |                  |                  |

### RF Connected Test

| Kind of Equipment   | Manufacturer | Type No. | Company No. | Last calibration | Calibrated until |
|---------------------|--------------|----------|-------------|------------------|------------------|
| MXA SIGNAL Analyzer | Keysight     | N9020A   | FCS-E015    | 2025.08.26       | 2026.08.25       |
| Spectrum Analyzer   | Agilent      | E4447A   | MY50180039  | 2025.08.26       | 2026.08.25       |
| Spectrum Analyzer   | R&S          | FSV-40   | 101499      | 2025.08.26       | 2026.08.25       |

### 3. CONDUCTED EMISSION MEASUREMENT

#### 3.1 LIMIT

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

| FREQUENCY (MHz) | Conducted Emission limit (dBuV) |           |
|-----------------|---------------------------------|-----------|
|                 | Quasi-peak                      | Average   |
| 0.15 -0.5       | 66 - 56 *                       | 56 - 46 * |
| 0.50 -5.0       | 56.00                           | 46.00     |
| 5.0 -30.0       | 60.00                           | 50.00     |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

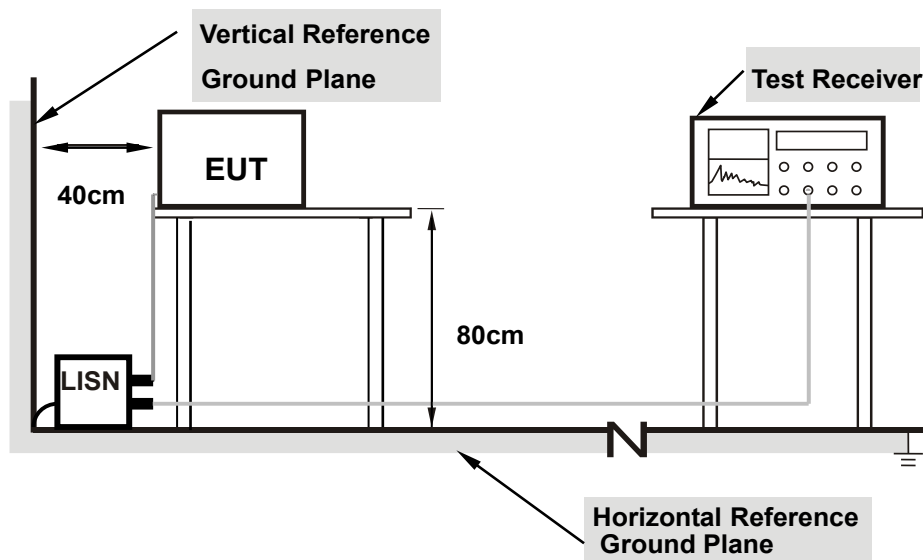
#### 3.2 TEST PROCEDURE

The following table is the setting of the receiver

| Receiver Parameters | Setting  |
|---------------------|----------|
| Attenuation         | 10 dB    |
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

- a. The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.3 TEST SETUP

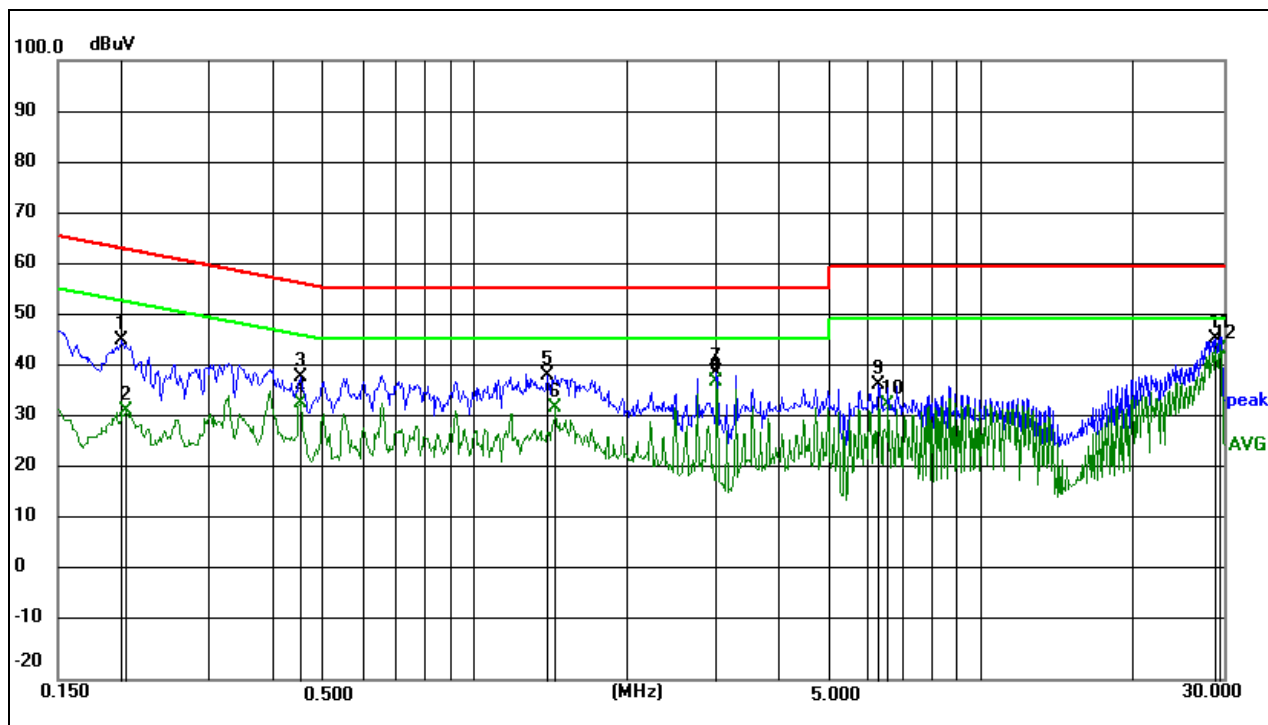


**Note: 1.Support units were connected to second LISN.**

**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

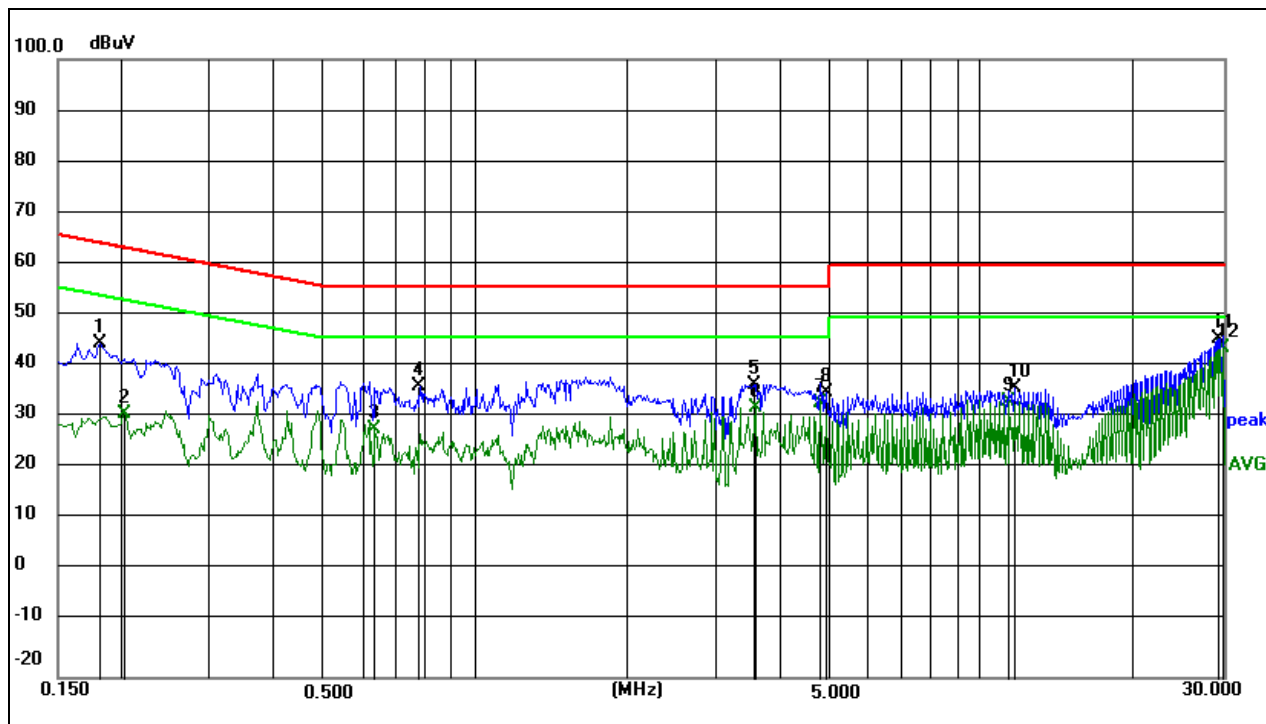
### 3.4 TEST RESULTS

|                |              |                    |     |
|----------------|--------------|--------------------|-----|
| Temperature:   | 26°C         | Relative Humidity: | 54% |
| Pressure:      | 101kPa       | Phase :            | L   |
| Test Voltage : | AC 120V/60Hz |                    |     |



| No.  | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|------|--------------------|-------------------|-----------------|------------------|-----------------|----------------|--------|
| 1    | 0.2006             | 34.90             | 10.84           | 45.74            | 63.59           | -17.85         | QP     |
| 2    | 0.2040             | 21.39             | 10.84           | 32.23            | 53.45           | -21.22         | AVG    |
| 3    | 0.4515             | 27.71             | 10.84           | 38.55            | 56.85           | -18.30         | QP     |
| 4    | 0.4515             | 22.74             | 10.84           | 33.58            | 46.85           | -13.27         | AVG    |
| 5    | 1.3920             | 28.23             | 10.86           | 39.09            | 56.00           | -16.91         | QP     |
| 6    | 1.4415             | 21.80             | 10.86           | 32.66            | 46.00           | -13.34         | AVG    |
| 7    | 3.0030             | 28.66             | 10.89           | 39.55            | 56.00           | -16.45         | QP     |
| 8    | 3.0030             | 26.80             | 10.89           | 37.69            | 46.00           | -8.31          | AVG    |
| 9    | 6.2655             | 25.88             | 11.15           | 37.03            | 60.00           | -22.97         | QP     |
| 10   | 6.5533             | 22.05             | 11.15           | 33.20            | 50.00           | -16.80         | AVG    |
| 11   | 29.0400            | 34.67             | 11.47           | 46.14            | 60.00           | -13.86         | QP     |
| 12 * | 29.5665            | 32.53             | 11.50           | 44.03            | 50.00           | -5.97          | AVG    |

|                |              |                    |     |
|----------------|--------------|--------------------|-----|
| Temperature:   | 26°C         | Relative Humidity: | 54% |
| Pressure:      | 101kPa       | Phase :            | N   |
| Test Voltage : | AC 120V/60Hz |                    |     |



| No.  | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|------|--------------------|-------------------|-----------------|------------------|-----------------|----------------|--------|
| 1    | 0.1814             | 34.13             | 10.84           | 44.97            | 64.42           | -19.45         | QP     |
| 2    | 0.2028             | 20.45             | 10.83           | 31.28            | 53.50           | -22.22         | AVG    |
| 3    | 0.6360             | 17.41             | 10.84           | 28.25            | 46.00           | -17.75         | AVG    |
| 4    | 0.7799             | 25.79             | 10.84           | 36.63            | 56.00           | -19.37         | QP     |
| 5    | 3.5565             | 25.76             | 11.07           | 36.83            | 56.00           | -19.17         | QP     |
| 6    | 3.5834             | 21.29             | 11.07           | 32.36            | 46.00           | -13.64         | AVG    |
| 7    | 4.8210             | 22.26             | 11.12           | 33.38            | 46.00           | -12.62         | AVG    |
| 8    | 4.9424             | 24.38             | 11.12           | 35.50            | 56.00           | -20.50         | QP     |
| 9    | 11.3730            | 22.48             | 11.24           | 33.72            | 50.00           | -16.28         | AVG    |
| 10   | 11.6204            | 24.93             | 11.25           | 36.18            | 60.00           | -23.82         | QP     |
| 11   | 29.4180            | 34.28             | 11.39           | 45.67            | 60.00           | -14.33         | QP     |
| 12 * | 29.9085            | 32.59             | 11.41           | 44.00            | 50.00           | -6.00          | AVG    |

Remark: Correct Factor = Insertion loss of LISN + Cable loss + Insertion loss of Pulse Limiter;

Measurement Result = Reading Level +Correct Factor;

Margin = Measurement Result- Limit;

## 4. RADIATED EMISSION MEASUREMENT

### 4.1 LIMIT

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

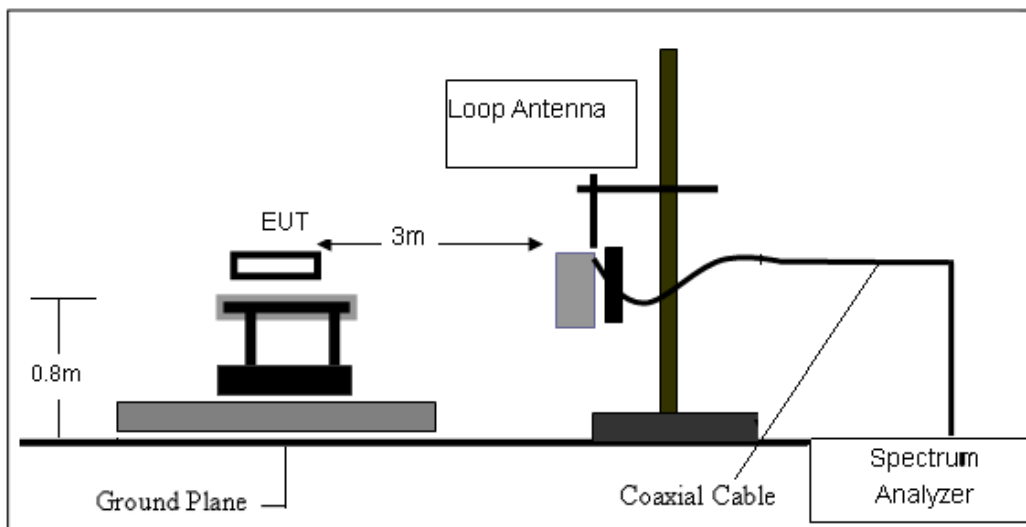
| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(KHz)                          | 300                              |
| 0.490~1.705          | 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                                |

Receiver setup:

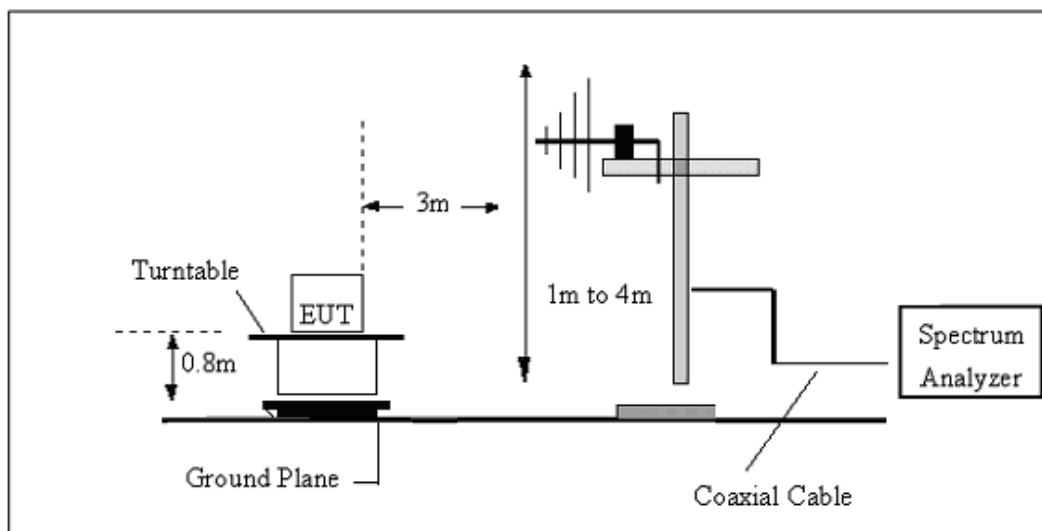
| Frequency    | Detector   | RBW    | VBW    | Value      |
|--------------|------------|--------|--------|------------|
| 9KHz-150KHz  | Quasi-peak | 200Hz  | 600Hz  | Quasi-peak |
| 150KHz-30MHz | Quasi-peak | 9KHz   | 30KHz  | Quasi-peak |
| 30MHz-1GHz   | Quasi-peak | 100KHz | 300KHz | Quasi-peak |
| Above 1GHz   | Peak       | 1MHz   | 3MHz   | Peak       |
|              | Peak       | 1MHz   | 10Hz   | Average    |

## 4.2 TEST SETUP

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



### (B) Radiated Emission Test-Up Frequency 30MHz~1GHz

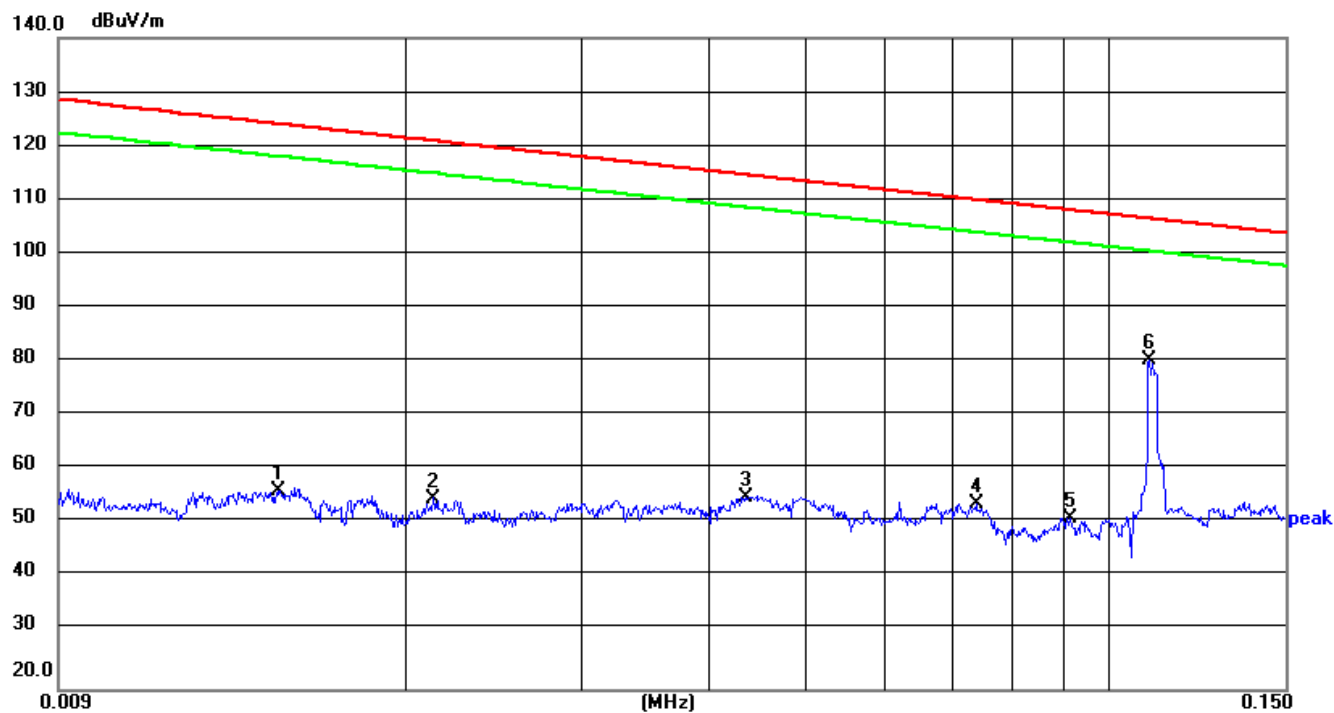


#### 4.4 TEST RESULTS

We pretest AC 120V and AC 230V in full load, half load and no load, the worst voltage was AC 120V in full load and the data recording in the report.

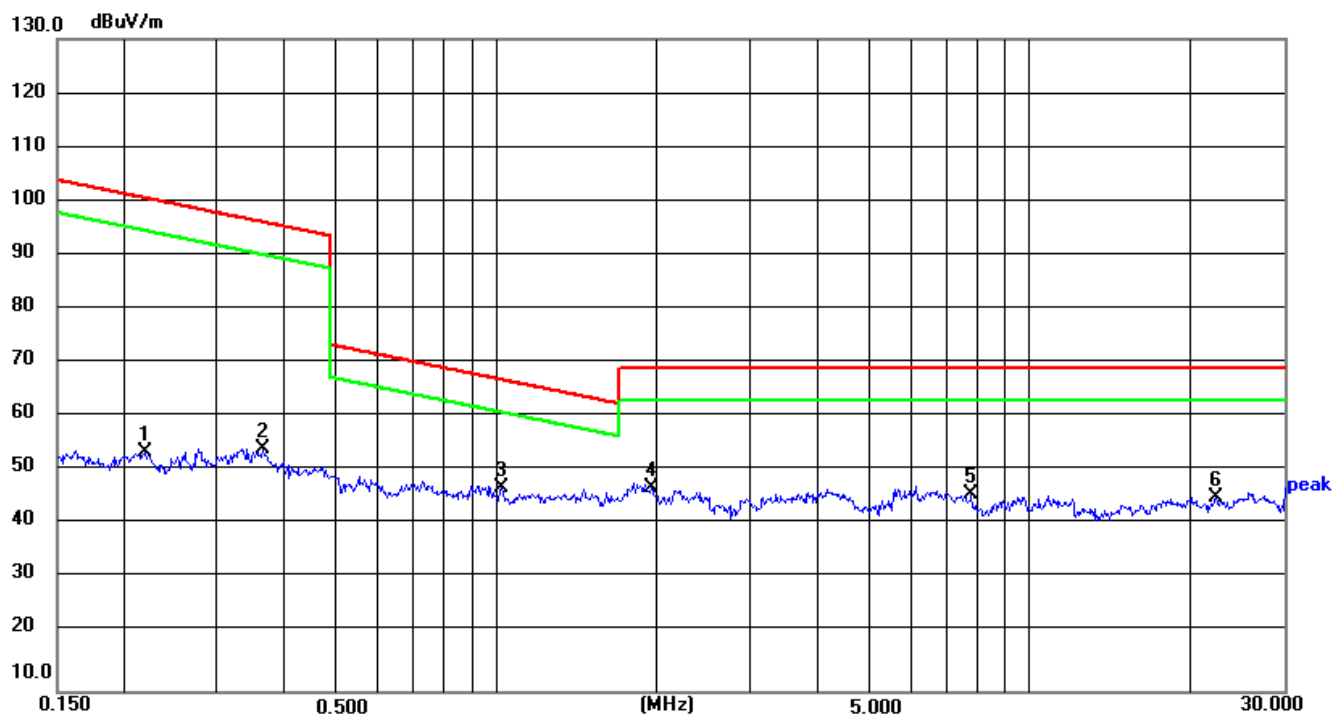
110.5kHz-205kHz:

9KHz-150KHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 0.0150          | 35.44          | 21.11         | 56.55          | 124.08         | -67.53      | peak |
| 2   | 0.0212          | 34.39          | 20.87         | 55.26          | 121.08         | -65.82      | peak |
| 3   | 0.0434          | 33.36          | 22.20         | 55.56          | 114.85         | -59.29      | peak |
| 4   | 0.0738          | 31.69          | 22.68         | 54.37          | 110.24         | -55.87      | peak |
| 5   | 0.0913          | 29.20          | 22.53         | 51.73          | 108.39         | -56.66      | peak |
| 6 * | 0.1103          | 58.30          | 22.30         | 80.60          | 106.80         | -26.20      | peak |

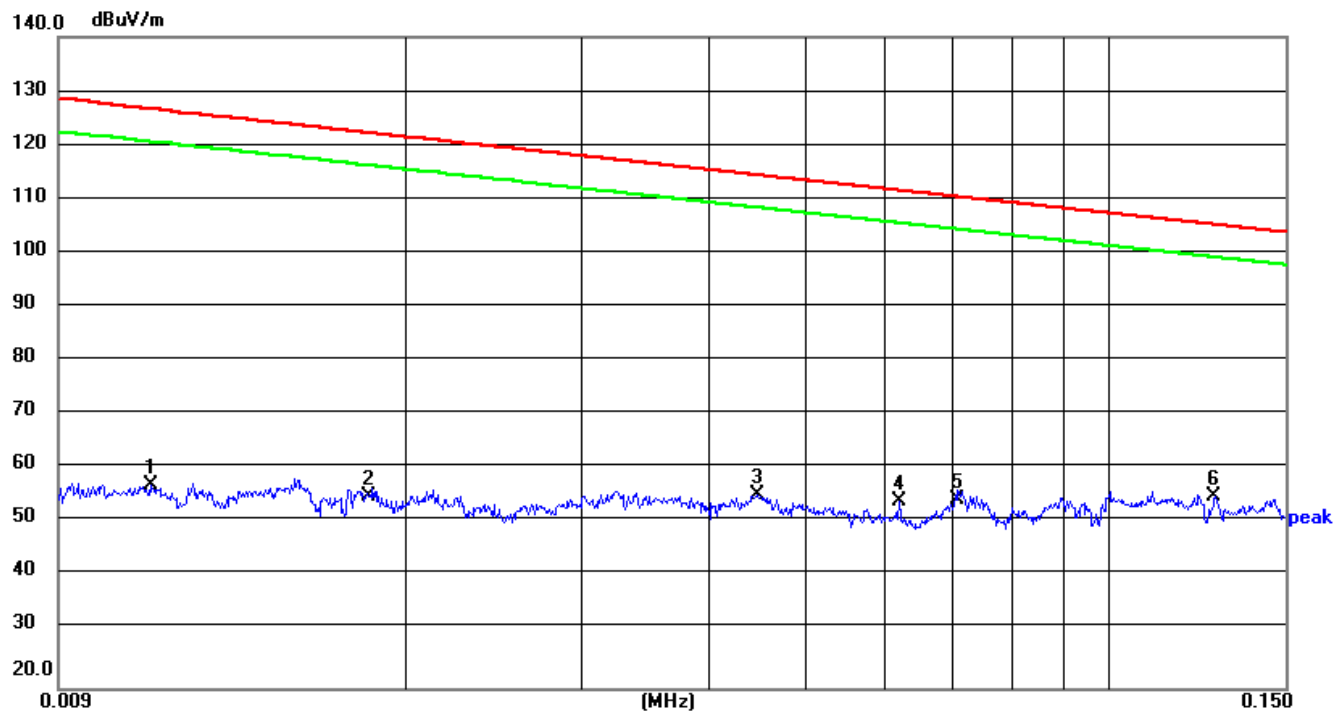
## 150KHz-30MHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 0.2195          | 32.56          | 21.55         | 54.11          | 100.78         | -46.67      | peak |
| 2   | 0.3653          | 33.20          | 21.58         | 54.78          | 96.35          | -41.57      | peak |
| 3 * | 1.0210          | 24.86          | 22.60         | 47.46          | 67.42          | -19.96      | peak |
| 4   | 1.9490          | 25.04          | 22.41         | 47.45          | 69.54          | -22.09      | peak |
| 5   | 7.7686          | 23.37          | 22.91         | 46.28          | 69.54          | -23.26      | peak |
| 6   | 22.2972         | 9.00           | 36.77         | 45.77          | 69.54          | -23.77      | peak |

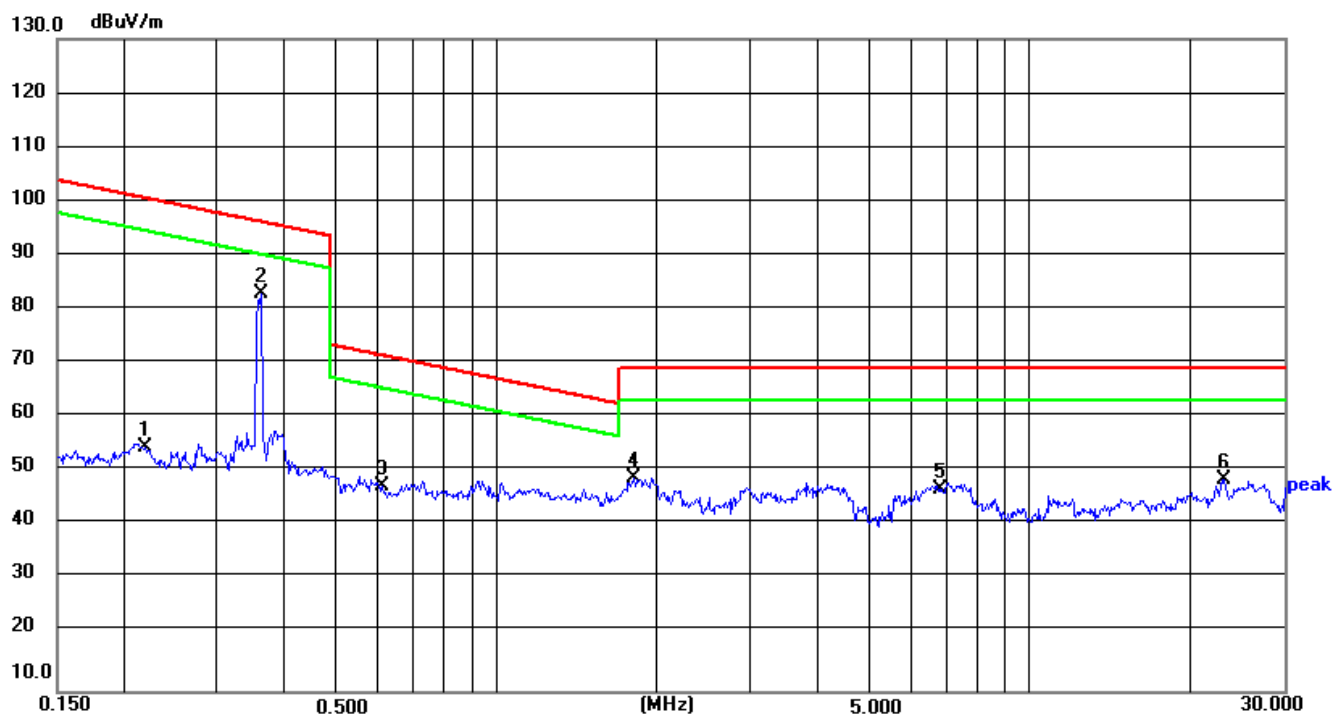
360kHz:

9KHz-150KHz



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 0.0111          | 36.25          | 21.36         | 57.61          | 126.70         | -69.09      | peak |
| 2   | 0.0183          | 34.51          | 20.91         | 55.42          | 122.36         | -66.94      | peak |
| 3   | 0.0446          | 33.47          | 22.28         | 55.75          | 114.62         | -58.87      | peak |
| 4   | 0.0618          | 32.02          | 22.64         | 54.66          | 111.78         | -57.12      | peak |
| 5   | 0.0704          | 32.25          | 22.67         | 54.92          | 110.65         | -55.73      | peak |
| 6 * | 0.1276          | 33.26          | 22.12         | 55.38          | 105.49         | -50.11      | peak |

## 150KHz-30MHz



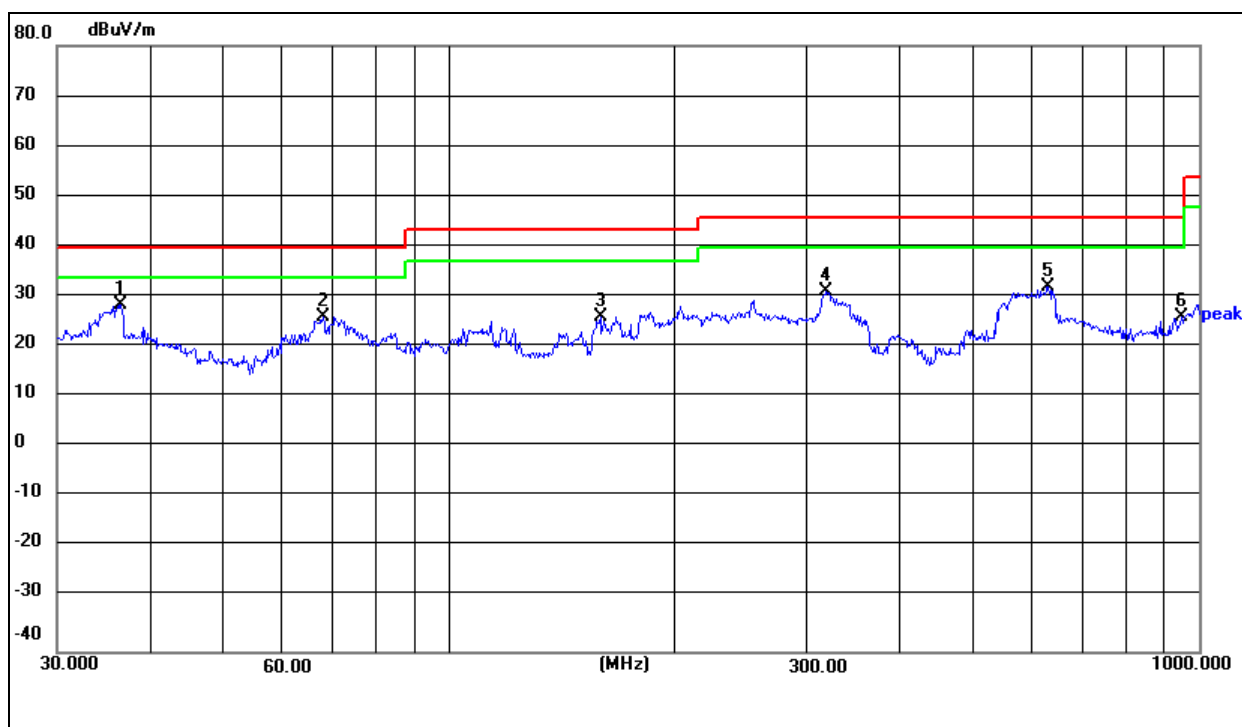
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1   | 0.2195          | 33.56          | 21.55         | 55.11          | 100.78         | -45.67      | peak |
| 2 * | 0.3601          | 61.50          | 21.58         | 83.08          | 96.45          | -13.37      | peak |
| 3   | 0.6107          | 25.67          | 22.11         | 47.78          | 71.89          | -24.11      | peak |
| 4   | 1.8095          | 26.96          | 22.44         | 49.40          | 69.54          | -20.14      | peak |
| 5   | 6.8050          | 24.37          | 23.05         | 47.42          | 69.54          | -22.12      | peak |
| 6   | 23.1402         | 7.35           | 41.68         | 49.03          | 69.54          | -20.51      | peak |

Note:

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

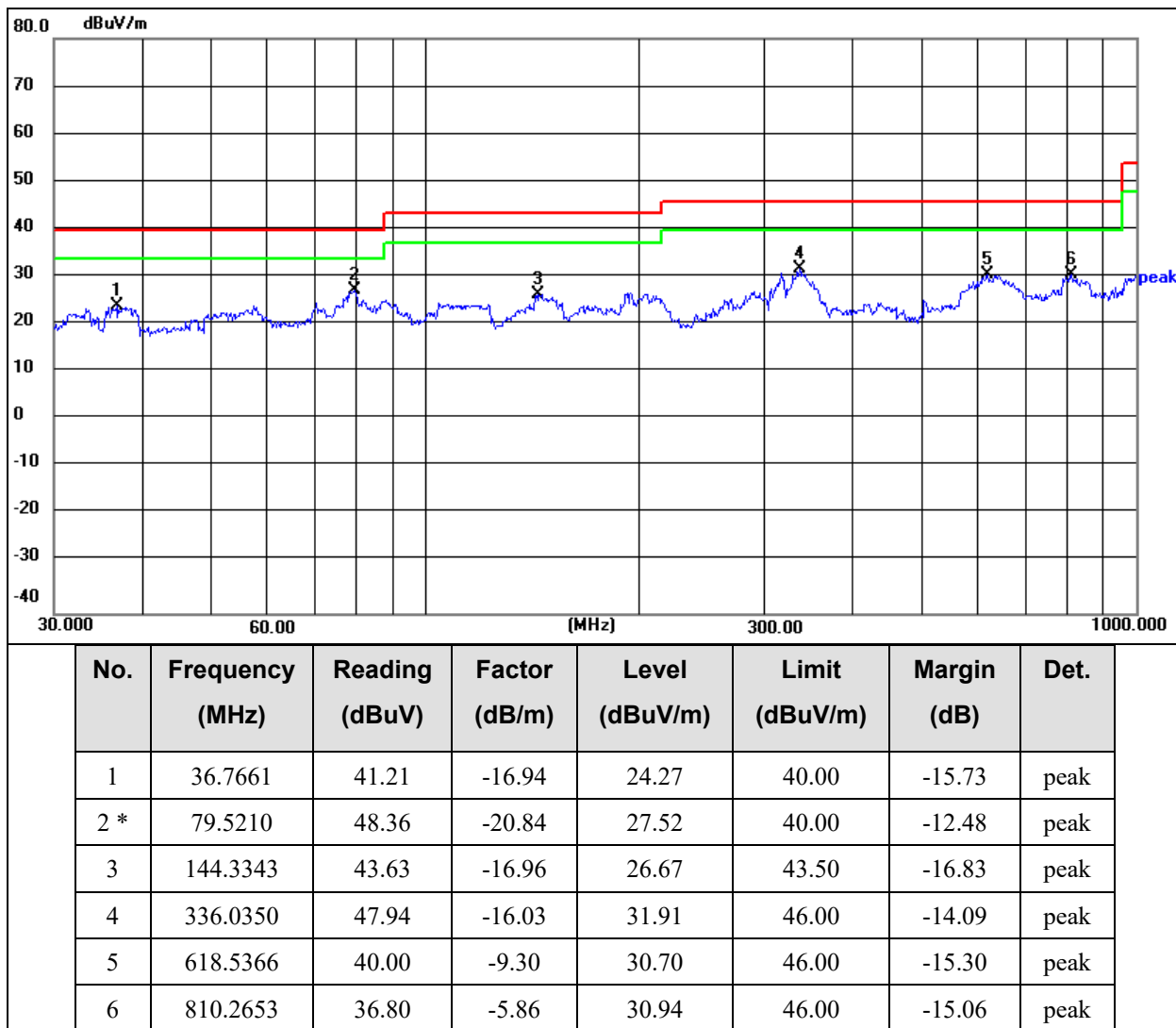
30MHz-1GHz

|               |              |                    |            |
|---------------|--------------|--------------------|------------|
| Temperature:  | 26°C         | Relative Humidity: | 54%        |
| Pressure:     | 101 kPa      | Polarization:      | Horizontal |
| Test Voltage: | AC 120V/60Hz |                    |            |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|------|
| 1 * | 36.5090         | 45.73          | -16.98        | 28.75          | 40.00          | -11.25      | peak |
| 2   | 67.9128         | 44.85          | -18.57        | 26.28          | 40.00          | -13.72      | peak |
| 3   | 159.2250        | 42.88          | -16.54        | 26.34          | 43.50          | -17.16      | peak |
| 4   | 318.8170        | 47.75          | -16.41        | 31.34          | 46.00          | -14.66      | peak |
| 5   | 629.4772        | 41.44          | -9.12         | 32.32          | 46.00          | -13.68      | peak |
| 6   | 948.7610        | 29.97          | -3.55         | 26.42          | 46.00          | -19.58      | peak |

|               |              |                    |          |
|---------------|--------------|--------------------|----------|
| Temperature:  | 26°C         | Relative Humidity: | 54%      |
| Pressure:     | 101kPa       | Polarization:      | Vertical |
| Test Voltage: | AC 120V/60Hz |                    |          |



#### Remarks:

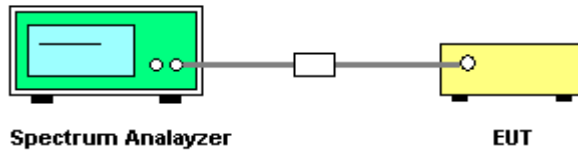
- 1.Emission Level = Reading + Factor;
- 2.Factor = Antenna Factor + Cable Loss – Pre-amplifier;
- 3.Margin= Emission Level - Limit.
- 4.The emission levels of other frequencies are very lower than the limit and not show in test report.

## 5. 20 dB BANDWIDTH TEST

### 5.1 TEST PROCEDURE

1. Set RBW = 100 Hz.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

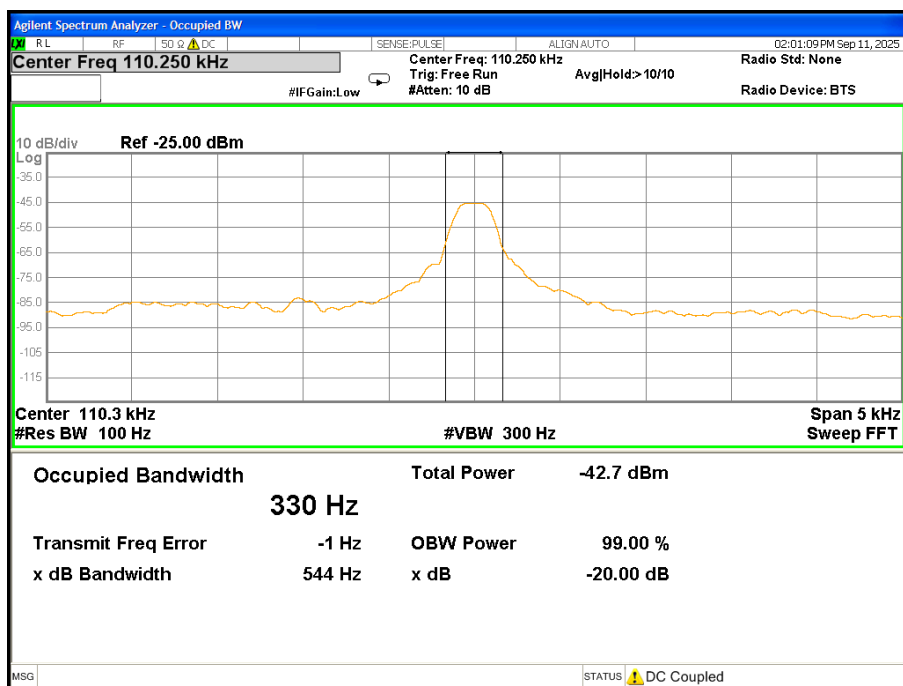
### 5.2 TEST SETUP

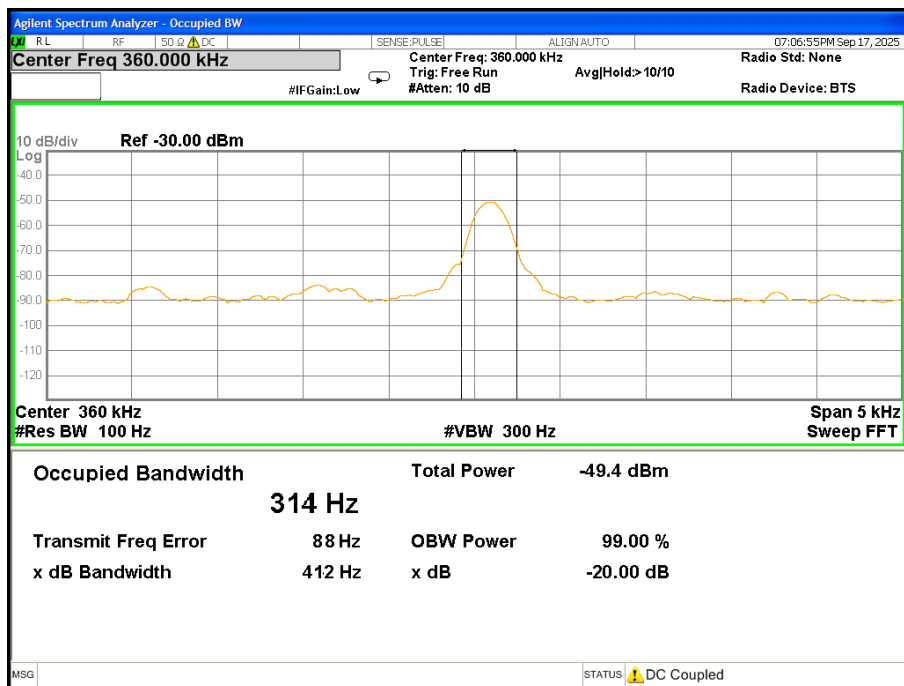


## 5.4 TEST RESULTS

|              |        |                    |     |
|--------------|--------|--------------------|-----|
| Temperature: | 20 °C  | Relative Humidity: | 44% |
| Pressure:    | 101kPa |                    |     |

| Frequency (KHz) | 20dB bandwidth (KHz) | 99% bandwidth (KHz) | Result |
|-----------------|----------------------|---------------------|--------|
| 110.25          | 0.544                | 0.330               | Pass   |
| 360             | 0.412                | 0.314               | Pass   |





Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 100 Hz to perform the occupied bandwidth test.

## 6. ANTENNA REQUIREMENT

### 6.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### 6.2 EUT ANTENNA

The antennas used for this product are Loop Coil antenna and other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 0 dBi.

※※※※※END OF THE REPORT※※※※※