

## RF Test Report

Applicant : Tomofun Co., Ltd.  
Product Type : Furbo Dog Camera  
Trade Name : Furbo  
Model Number : Furbo2.5T  
Applicable Standard : Canada RSS-247 Issue 2  
Canada RSS-Gen Issue 5  
ANSI C63.10:2013  
Received Date : May 19, 2020  
Test Period : Jun. 03 ~ Jul. 04, 2020  
Issued Date : Jul. 28, 2020

### Issued by

A Test Lab Techno Corp.  
No. 140-1, Changan Street, Bade District,  
Taoyuan City 33465, Taiwan (R.O.C.)  
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330  
Frequency Range : 9 kHz to 40 GHz  
Test Firm IC Registration number: 7381A

### Note:

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### **Revision History**

| Rev. | Issued Date   | Revisions                        | Revised By |
|------|---------------|----------------------------------|------------|
| 00   | Jul. 10, 2020 | Initial Issue                    | Snow Wang  |
| 01   | Jul. 28, 2020 | Page. 6 Revised EUT Description. | Yu Chiang  |
|      |               |                                  |            |
|      |               |                                  |            |

## Verification of Compliance

Applicant : Tomofun Co., Ltd.  
Product Type : Furbo Dog Camera  
Trade Name : Furbo  
Model Number : Furbo2.5T  
IC : 22715-VTFFBV3  
EUT Rated Voltage : DC 5 V, 2 A  
Test Voltage : 120 Vac / 60 Hz  
Applicable Standard : Canada RSS-247 Issue 2  
Canada RSS-Gen Issue 5  
ANSI C63.10:2013  
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.  
No. 140-1, Changan Street, Bade District,  
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Tel : +886-3-2710188 / Fax : +886-3-2710190  
Taiwan Accreditation Foundation accreditation number: 1330  
Test Firm IC Registration number: 7381A  
<http://www.atl-lab.com.tw/e-index.htm>



A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By

: Fly Lu

(Manager)

(Fly Lu)

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## 1 General Information

### 1.1. Summary of Test Result

| Standard                 | Item                                       | Result    | Remark |
|--------------------------|--------------------------------------------|-----------|--------|
| RSS-GEN                  |                                            |           |        |
| 6.7                      | 99 % Occupied Bandwidth                    | Reference | -----  |
| 8.8                      | AC Power Line Conducted Emissions          | PASS      | -----  |
| 8.9                      | Transmitter Unwanted Emissions             | PASS      | -----  |
| 6.8                      | Antenna Requirement                        | PASS      | -----  |
| Standard                 | Item                                       | Result    | Remark |
| RSS-247                  |                                            |           |        |
| 5.4 (4),<br>5.4 (6) (ii) | Max. Transmitter Output Power and E.I.R.P. | PASS      | -----  |
| 5.2 (1)                  | 6 dB Emission Bandwidth                    | PASS      | -----  |
| 5.2 (2)                  | Maximum Power Spectral Density             | PASS      | -----  |
| 5.5                      | Out of Band Conducted Spurious Emission    | PASS      | -----  |
| 5.5                      | Band Edge Measurement                      | PASS      | -----  |

#### Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

### 1.2. Measurement Uncertainty

| Test Item              | Frequency Range       | Uncertainty (dB) |
|------------------------|-----------------------|------------------|
| Conducted Emission     | 150 kHz ~ 30 MHz      | 2.68             |
| Radiated Emission      | 9 kHz ~ 30 MHz        | 2.14             |
|                        | 30 MHz ~ 1000 MHz     | 4.99             |
|                        | 1000 MHz ~ 18000 MHz  | 4.99             |
|                        | 18000 MHz ~ 26500 MHz | 4.23             |
|                        | 26500 MHz ~ 40000 MHz | 4.39             |
| Conducted Output Power | 0.92 dB               |                  |
| RF Bandwidth           | 4.79 %                |                  |
| Power Spectral Density | 0.92 dB               |                  |

## 2 EUT Description

|                                        |                                                                                                                                  |            |                      |                          |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|----------------------|--------------------------|
| Applicant                              | Tomofun Co., Ltd.<br>4F., No.495, Guangfu S. Rd., Xinyi Dist., Taipei City 11074, Taiwan<br>(R.O.C.)Taipei11074Taiwan11074Taiwan |            |                      |                          |
| Manufacturer                           | Chicony Electronics (Thailand) Co., Ltd.<br>700/60 Moo 1 T.Bankao A.Phanthong Chonburi Province 20160                            |            |                      |                          |
| Product Type                           | Furbo Dog Camera                                                                                                                 |            |                      |                          |
| Trade Name                             | Furbo                                                                                                                            |            |                      |                          |
| Model Number                           | Furbo2.5T                                                                                                                        |            |                      |                          |
| IC                                     | 22715-VTFFBV3                                                                                                                    |            |                      |                          |
| Hardware Version                       | T1                                                                                                                               |            |                      |                          |
| Software Version /<br>Firmware Version | 342                                                                                                                              |            |                      |                          |
| Operate Freq. Band                     | Frequency Range<br>(MHz)                                                                                                         | Modulation | Channel<br>Bandwidth | Data Rate<br>400 GI (ns) |
| IEEE 802.11b                           | 2412 ~ 2462                                                                                                                      | DSSS       | 20 MHz               | Up to 11 Mbps            |
| IEEE 802.11g                           | 2412 ~ 2462                                                                                                                      | OFDM       | 20 MHz               | Up to 54 Mbps            |
| IEEE 802.11n 2.4 GHz 20 MHz            | 2412 ~ 2462                                                                                                                      | OFDM       | 20 MHz               | Up to 72.2 Mbps          |
| Antenna information                    | Type                                                                                                                             |            | Max. Gain (dBi)      |                          |
|                                        | FPC Antenna                                                                                                                      |            | 1.18                 |                          |
| Antenna Delivery                       | Reference section 3.1                                                                                                            |            |                      |                          |
| Operate Temp. Range                    | 0 ~ +35 °C                                                                                                                       |            |                      |                          |

| Frequency Band              | Max. RF Output<br>Power<br>(W) | E.I.R.P.<br>(W) | 99 % Occupied<br>Bandwidth<br>(MHz) | Emission<br>Designator |
|-----------------------------|--------------------------------|-----------------|-------------------------------------|------------------------|
| IEEE 802.11b                | 0.095                          | 0.124           | 13.951                              | 14M0G1D                |
| IEEE 802.11g                | 0.471                          | 0.618           | 16.480                              | 16M5D1D                |
| IEEE 802.11n 2.4 GHz 20 MHz | 0.454                          | 0.596           | 17.562                              | 17M6D1D                |

### 3 Test Methodology

#### 3.1. Mode of Operation

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

| Test Mode                                              |
|--------------------------------------------------------|
| Mode 1: Transmit mode                                  |
| Mode 2: IEEE 802.11b Continuous TX mode                |
| Mode 3: IEEE 802.11g Continuous TX mode                |
| Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode |

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

| Test Mode | ANT-0 |
|-----------|-------|
| Mode 2    | V     |
| Mode 3    | V     |
| Mode 4    | V     |

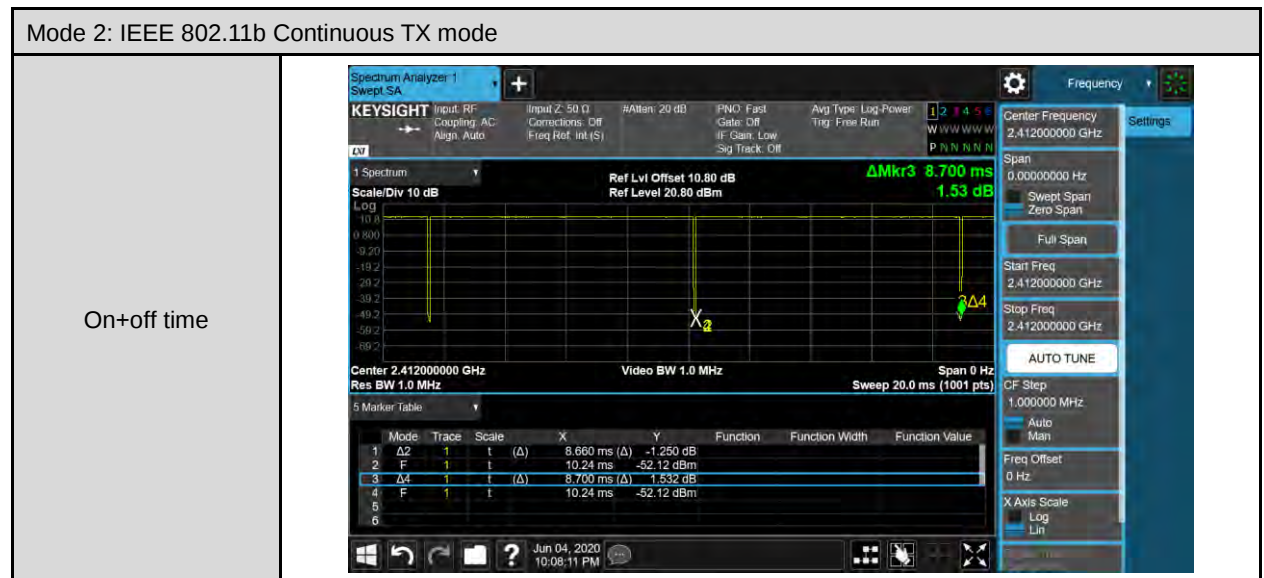
| Test Mode | Antenna Delivery | Data Rate (Mbps) | Test Channel |
|-----------|------------------|------------------|--------------|
| Mode 2    | 1TX              | 1                | 1, 6, 11     |
| Mode 3    | 1TX              | 6                | 1, 6, 11     |
| Mode 4    | 1TX              | 6.5              | 1, 6, 11     |



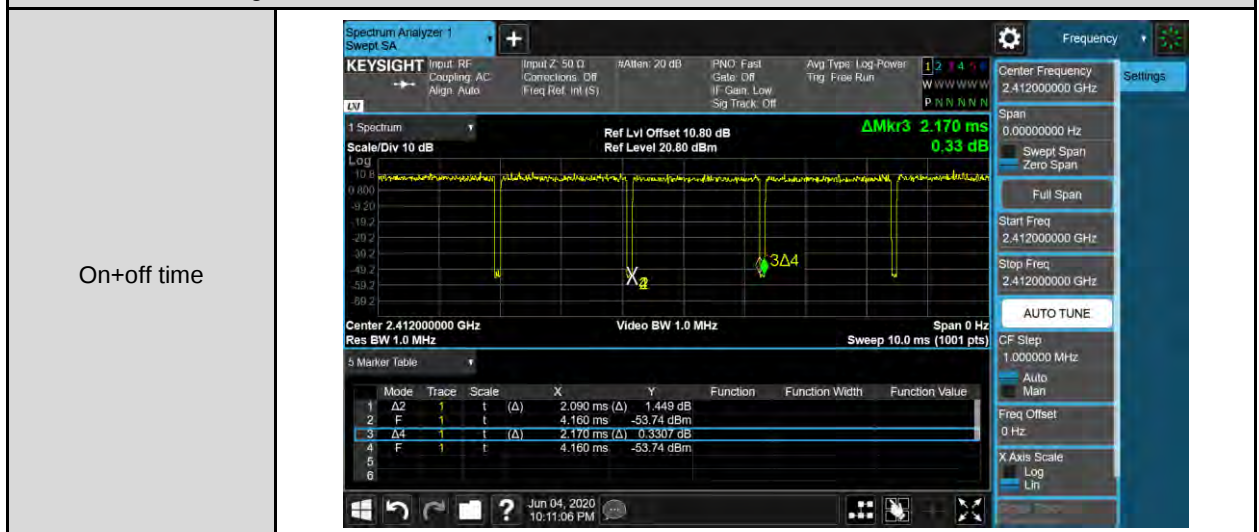
### Duty cycle

| Test Mode | Frequency (MHz) | on time (ms) | on+off time (ms) | Duty cycle | Duty Factor (dB) | 1/T Minimum VBW (kHz) |
|-----------|-----------------|--------------|------------------|------------|------------------|-----------------------|
| Mode 2    | 2412.0          | 8.660        | 8.700            | 0.995      | 0.020            | 0.010                 |
| Mode 3    | 2412.0          | 2.090        | 2.170            | 0.963      | 0.163            | 0.478                 |
| Mode 4    | 2412.0          | 1.345        | 1.365            | 0.985      | 0.064            | 0.010                 |

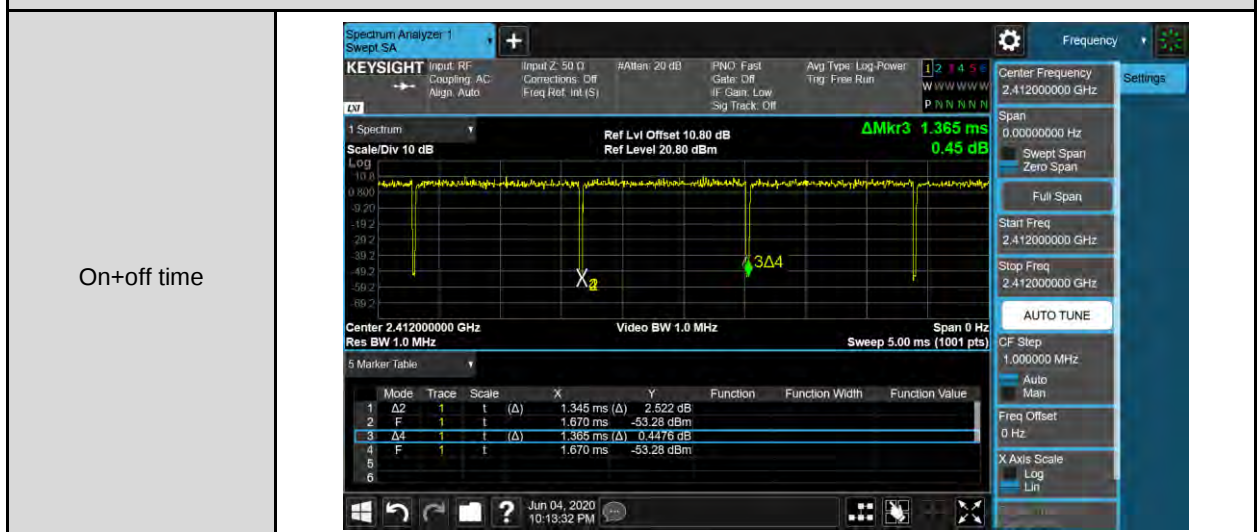
### Duty Cycle Graphs



### Mode 3: IEEE 802.11g Continuous TX mode



### Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode





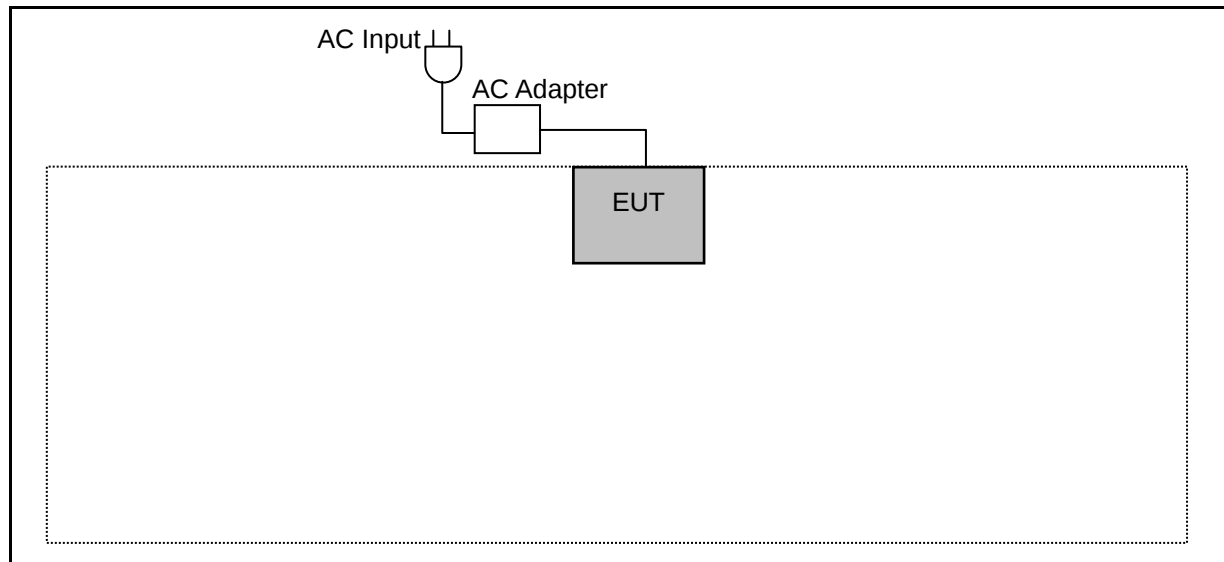
### 3.2. EUT Test Step

|    |                                                                |
|----|----------------------------------------------------------------|
| 1. | Setup the EUT shown on "Configuration of Test System Details". |
| 2. | Turn on the power of all equipment.                            |
| 3. | Turn on TX function.                                           |
| 4. | EUT run test program.                                          |

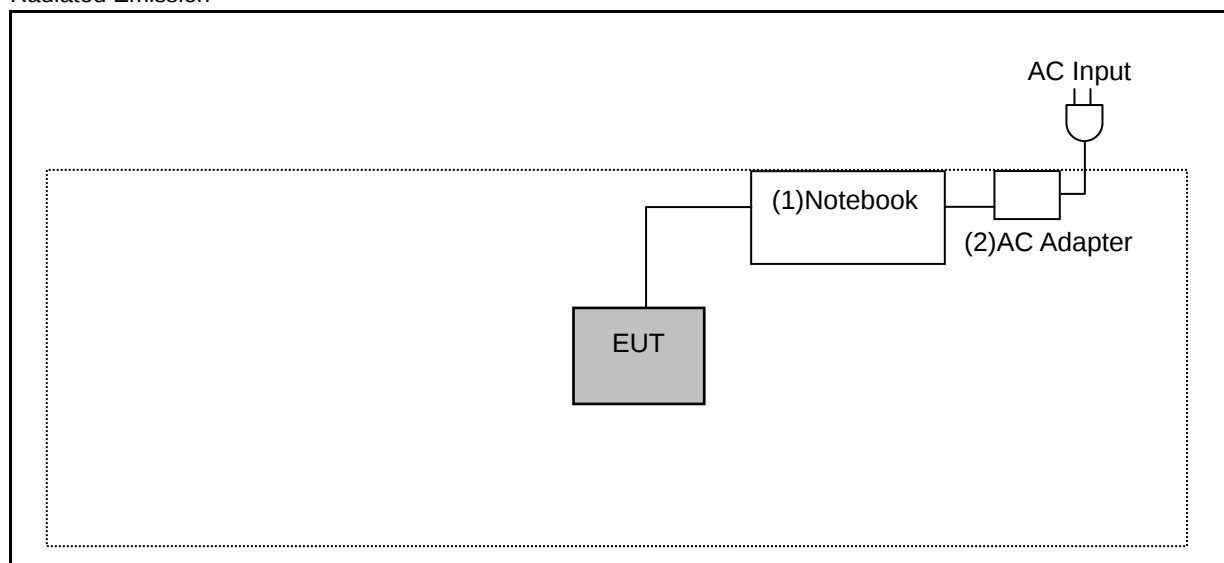
| Measurement Software |                    |          |         |
|----------------------|--------------------|----------|---------|
| No.                  | Description        | Software | Version |
| 1                    | Conducted Emission | EZ EMC   | 1.1.4.3 |
| 2                    | Radiated Emission  | EZ EMC   | 1.1.4.4 |

### 3.3. Configuration of Test System Details

#### Conducted Emissions



#### Radiated Emission



| Devices Description |                  |              |              |                 |                                                                                                          |
|---------------------|------------------|--------------|--------------|-----------------|----------------------------------------------------------------------------------------------------------|
|                     | Product          | Manufacturer | Model Number | Serial Number   | Remark                                                                                                   |
| (1)                 | Notebook         | ASUS         | BU400A       | D1NXAS148534020 | --                                                                                                       |
| (2)                 | Notebook Adapter | ASUS         | EXA1203YH    | --              | INPUT : AC 100 V to 240 V ,<br>50 Hz / 60 Hz , 1.5 A<br>OUTPUT : DC 19 V , 3.42 A<br>Non-shielded, 0.8 m |



### 3.4. Test Instruments

For Conducted Emission

Test Period: Jul. 03, 2020

Testing Engineer: Louis Shen

| Equipment     | Manufacturer | Model Number   | Serial Number | Cal. Date  | Cal. Period |
|---------------|--------------|----------------|---------------|------------|-------------|
| Test Receiver | R&S          | ESCI           | 100367        | 05/25/2020 | 1 year      |
| LISN          | R&S          | ENV216         | 101040        | 03/23/2020 | 1 year      |
| LISN          | R&S          | ENV216         | 101041        | 04/06/2020 | 1 year      |
| RF Cable      | Woken        | 00100D1380194M | TE-02-03      | 05/25/2020 | 1 year      |

For Radiated Emissions

Test Period: Jun. 03 ~ Jul. 04, 2020

Testing Engineer: Ricky Liu / Marc Yeh

| Equipment                           | Manufacturer                   | Model Number           | Serial Number | Cal. Date  | Cal. Period |
|-------------------------------------|--------------------------------|------------------------|---------------|------------|-------------|
| Spectrum Analyzer<br>(10 Hz~44 GHz) | Keysight                       | N9010A                 | MY52221312    | 01/13/2020 | 1 year      |
| Pre Amplifier<br>(1~26.5 GHz)       | Agilent                        | 8449B                  | 3008A02237    | 10/18/2019 | 1 year      |
| Pre Amplifier<br>(100 kHz~1.3 GHz)  | Agilent                        | 8447D                  | 2944A11119    | 01/15/2020 | 1 year      |
| Pre Amplifier<br>(1~26.5 GHz)       | EMCI                           | EMC2654045             | 980028        | 08/23/2019 | 1 year      |
| Broadband Antenna                   | Schwarzbeck                    | VULB9168               | 416           | 10/23/2019 | 1 year      |
| Horn Antenna<br>(1~18 GHz)          | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA9120D              | 9120D-550     | 08/22/2019 | 1 year      |
| Loop Antenna                        | COM-POWER<br>CORPORATION       | AL-130                 | 121014        | 03/27/2020 | 1 year      |
| RF Cable                            | EMCI                           | EMC104-N-N-6000        | TE01-1        | 02/20/2020 | 1 year      |
| Microwave Cable                     | EMCI                           | EMC104-SM-SM-1<br>3000 | 170814        | 10/29/2019 | 1 year      |
| Microwave Cable                     | EMCI                           | EMC102-KM-KM-1<br>4000 | 151001        | 02/20/2020 | 1 year      |



For Conducted

Test Period: Jun. 04 ~ Jun. 23, 2020

Testing Engineer: Paul Chiu / Louis Shen

| Equipment                             | Manufacturer | Model Number | Serial Number | Cal. Date  | Cal. Period |
|---------------------------------------|--------------|--------------|---------------|------------|-------------|
| Spectrum Analyzer<br>(10 Hz~26.5 GHz) | KEYSIGHT     | N9010B       | MY5907141     | 03/16/2020 | 1 year      |
| Power Sensor                          | Agilent      | N1921A       | MY45241957    | 12/11/2019 | 1 year      |
| Power Meter                           | Agilent      | N1911A       | MY45101619    | 12/11/2019 | 1 year      |

### 3.5. Test Site Environment

| Items            | Required (IEC 60068-1) | Actual |
|------------------|------------------------|--------|
| Temperature (°C) | 15-35                  | 20-30  |
| Humidity (%RH)   | 25-75                  | 45-75  |

## 4 Measurement Procedure

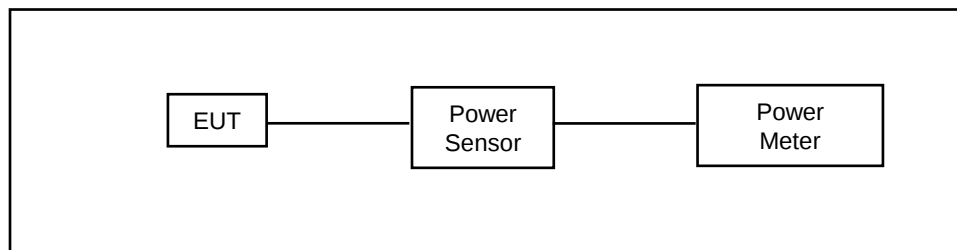
### 4.1. Max. Transmitter Output Power and E.I.R.P. Measurement

#### ■ Limit

For DTSS employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W, the e.i.r.p. shall not exceed 4 W.

As an alternative to peak power measurement, compliance can be based on a measurement of the maximum conducted output power. The maximum conducted output power is the total transmit power delivered to all antennas and antenna elements, averaged across all symbols in the signalling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or transmitting at a reduced power level. If multiple modes of operation are implemented, the maximum conducted output power is the highest total transmit power occurring in any mode.

#### ■ Test Setup



#### ■ Test Procedure

The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor.

The total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of  $10 \log(\text{number of array elements or staves})$  plus the directional gain of the element or staff having the highest gain.

## 4.2. 6 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement

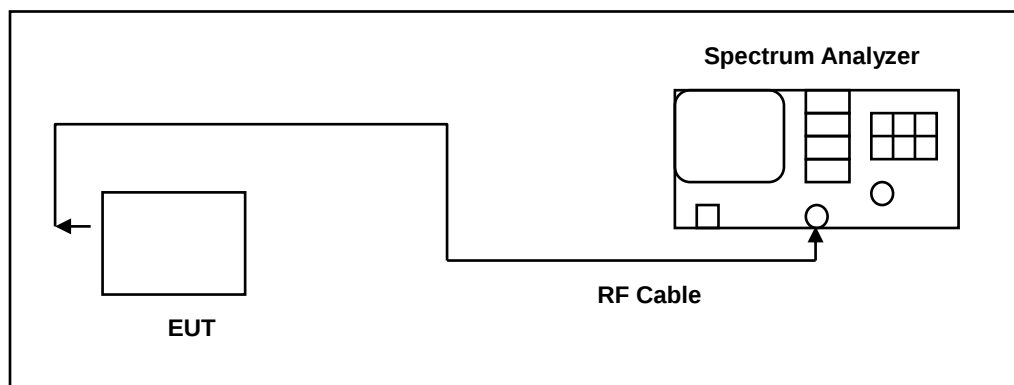
### ■ Limit

6 dB Emission Bandwidth:

For DTSs employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the minimum 6 dB bandwidth shall be 500 kHz.

99 % Occupied Bandwidth: N/A

### ■ Test Setup



### ■ Test Procedure

6 dB RF Bandwidth

The EUT was setup and tested to UNII test procedure of ANSI C63.10:2013 section 11.8.2 option2 for compliance to Canada RSS-247 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels.

99 % Occupied Bandwidth

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

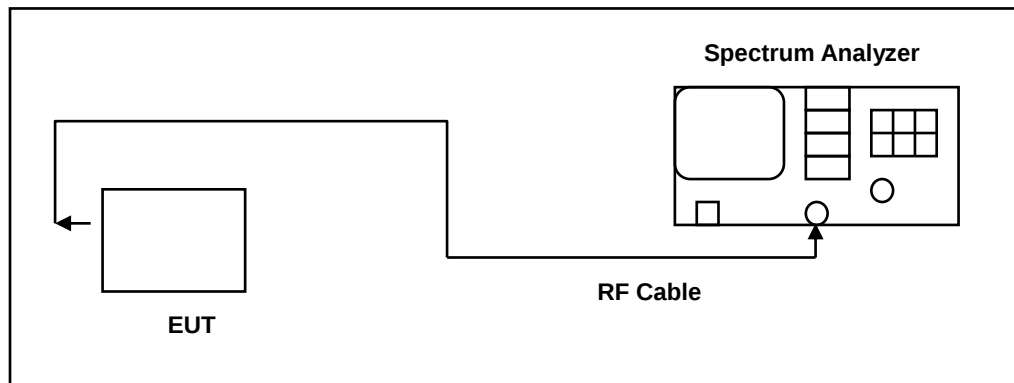
The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual. The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded.

### 4.3. Maximum Power Spectral Density Measurement

#### ■ Limit

For DTSs employing digital modulation techniques operating in the bands 2400-2483.5 MHz, the transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### ■ Test Setup



#### ■ Test Procedure

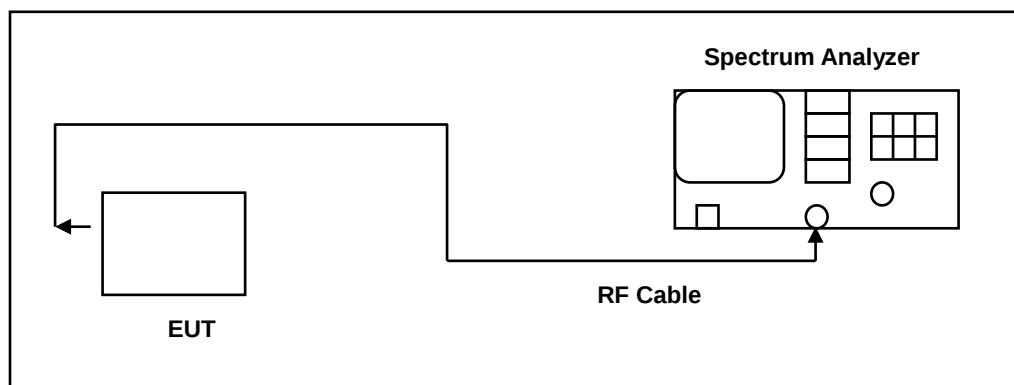
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
4. Set the VBW  $\geq 3 \times \text{RBW}$ .
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### 4.4. Out of Band Conducted Spurious Emission and Conducted Band Edge Measurement

##### ■ Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

##### ■ Test Setup



##### ■ Test Procedure

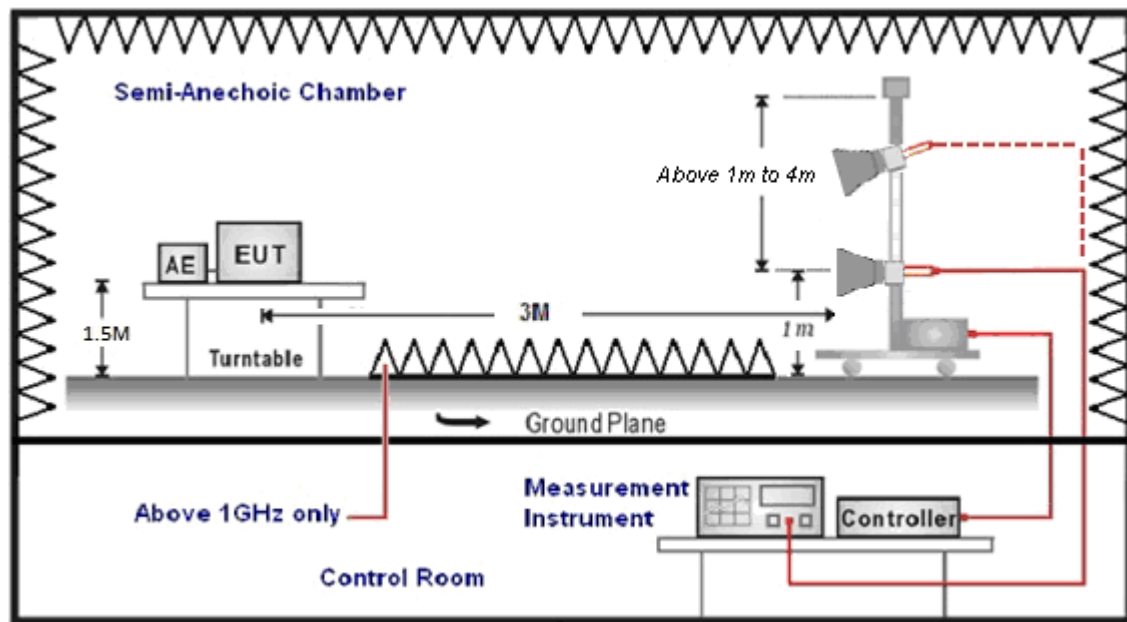
In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function. All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band. The test was performed at 3 channels.

## 4.5. Band Edges Measurement

### ■ Limit

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

### ■ Test Setup



### ■ Test Procedure

The emissions on the harmonics frequencies, the limits, and the margin of compliance are presented. These tests were made when the transmitter was in full radiated power. The additional test was performed to show compliance with the requirement at the band-edge frequency 2483.5 MHz and up to 2500 MHz and at 2390.0 MHz.

The transmitter was configured with the worst case antenna and setup to transmit at the highest channel. Then the field strength was measured at 2483.5 MHz.

The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel. Then the field strength was measured at 2390.0 MHz. These tests were performed at 4 different bit rates.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements when Duty cycle  $>0.98$  /  $1/T$  for average measurements when Duty cycle  $<0.98$ .

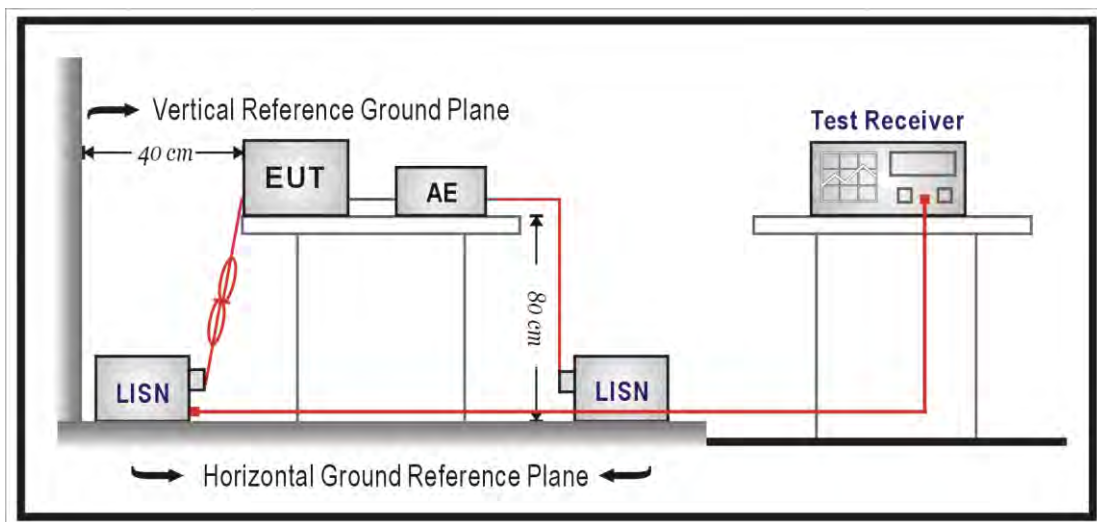
The antenna at an angle towards the source of the emission.

#### 4.6. AC Power Line Conducted Emissions Measurement

##### ■ Limit

| Frequency (MHz) | Quasi-peak | Average  |
|-----------------|------------|----------|
| 0.15 - 0.5      | 66 to 56   | 56 to 46 |
| 0.50 - 5.0      | 56         | 46       |
| 5.0 - 30.0      | 60         | 50       |

##### ■ Test Setup



### ■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a  $50\ \Omega // 50\ \mu\text{H}$  coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a  $50\ \Omega // 50\ \mu\text{H}$  coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of 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 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50  $\Omega$  ports of the LISN shall be resistively terminated into 50  $\Omega$  loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored

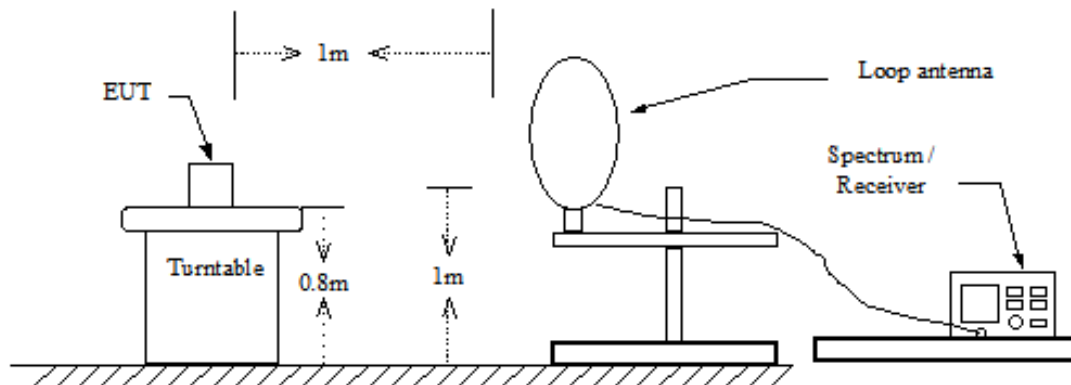
## 4.7. Transmitter Unwanted Emissions Measurement

### ■ Limit

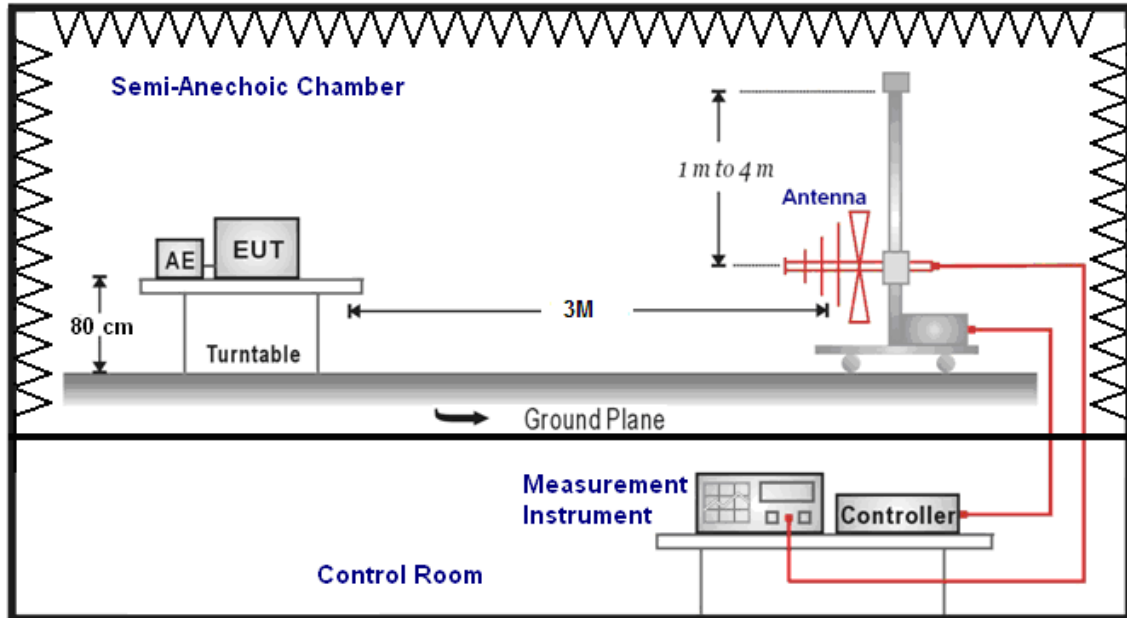
| Frequency<br>(MHz) | Field Strength<br>( $\mu\text{V/m}$ at meter) | Measurement Distance<br>(meters) |
|--------------------|-----------------------------------------------|----------------------------------|
| 0.009 – 0.490      | $2400 / F$ (kHz)                              | 300                              |
| 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                                |

Note: The emission limits for the bands 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector. Transmitting devices are not permitted in restricted frequency bands unless stated otherwise in the relevant RSS.

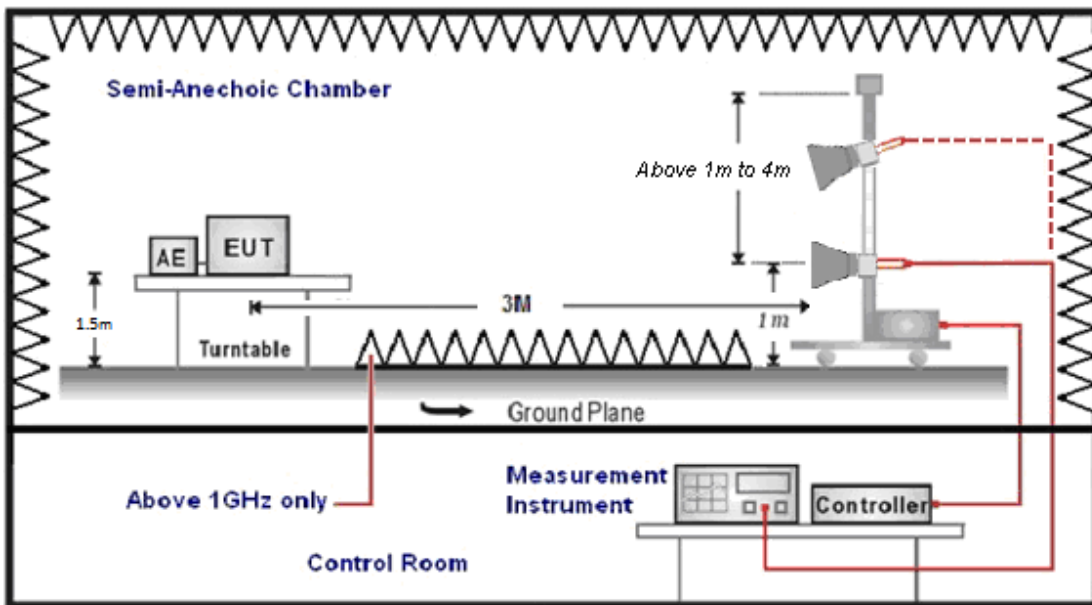
### ■ Setup



Below 1 GHz



Above 1 GHz



## ■ Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >98 % / 1/T for average measurements when Duty cycle <98 %. A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna was used in frequencies 1 – 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m).

The actual field intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) + AF (dBuV) + CL (dBuV) - Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV) - Dis(dB)}$$

The IC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30 dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

## 4.8. Antenna Requirement

### ■ Limit

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

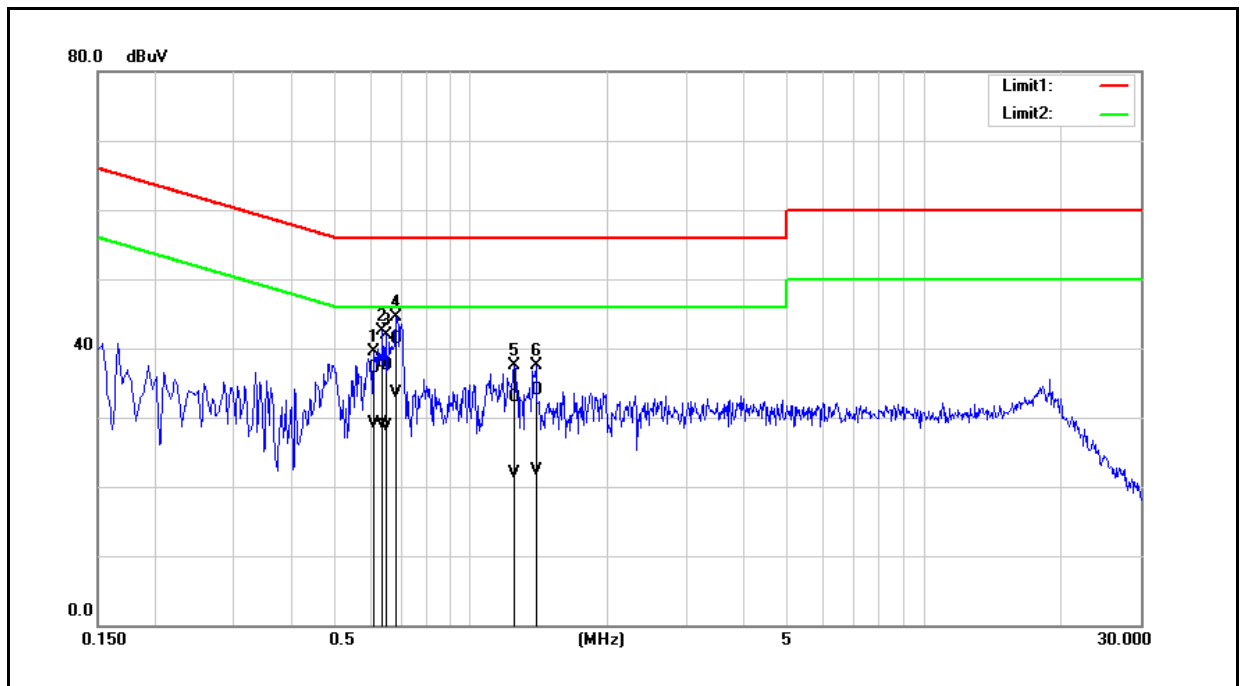
### ■ Antenna Description

See section 2 – antenna information.

## 5 Test Results

### Annex A. Conducted Emission

|              |                    |                      |                |
|--------------|--------------------|----------------------|----------------|
| Standard:    | RSS-Gen            | Line:                | L1             |
| Test item:   | Conducted Emission | Power:               | AC 120 V/60 Hz |
| Mode:        | Mode 1             | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Description: |                    |                      |                |

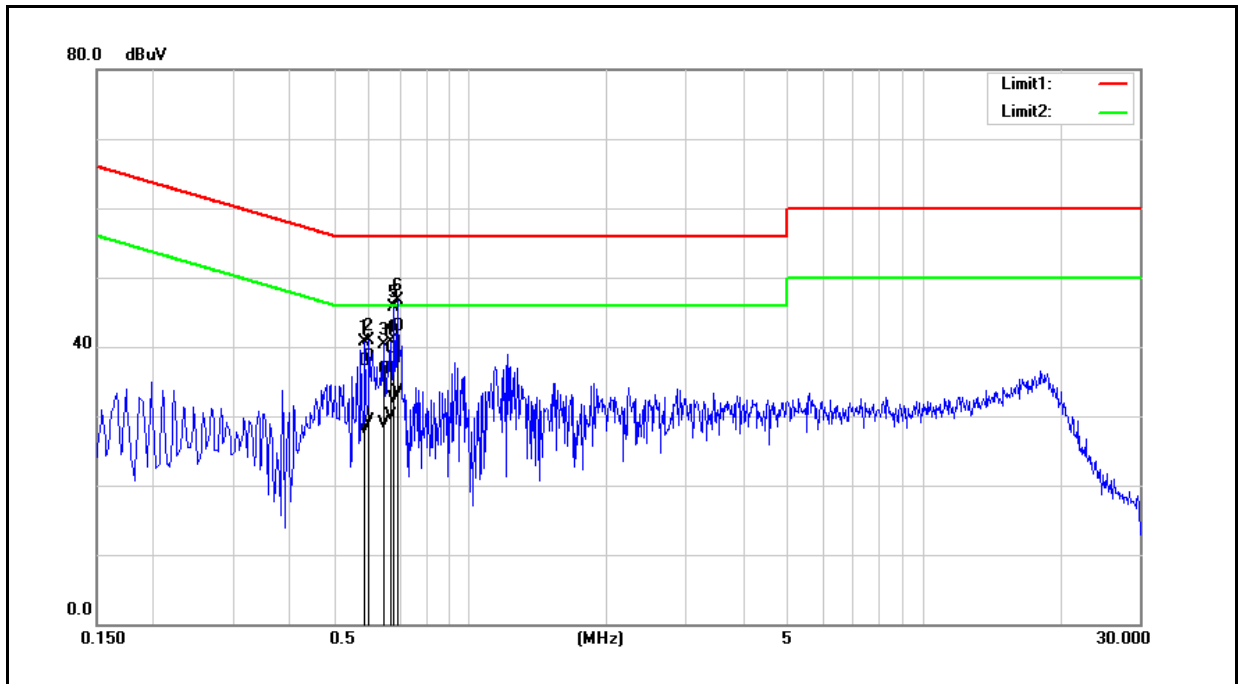


| No. | Frequency (MHz) | QP reading (dBuV) | AVG reading (dBuV) | Correction factor (dB) | QP result (dBuV) | AVG result (dBuV) | QP limit (dBuV) | AVG limit (dBuV) | QP margin (dB) | AVG margin (dB) | Remark |
|-----|-----------------|-------------------|--------------------|------------------------|------------------|-------------------|-----------------|------------------|----------------|-----------------|--------|
| 1   | 0.6100          | 27.31             | 19.46              | 9.71                   | 37.02            | 29.17             | 56.00           | 46.00            | -18.98         | -16.83          | Pass   |
| 2   | 0.6380          | 28.17             | 19.46              | 9.71                   | 37.88            | 29.17             | 56.00           | 46.00            | -18.12         | -16.83          | Pass   |
| 3   | 0.6500          | 27.88             | 18.97              | 9.71                   | 37.59            | 28.68             | 56.00           | 46.00            | -18.41         | -17.32          | Pass   |
| 4   | 0.6860          | 31.50             | 23.71              | 9.71                   | 41.21            | 33.42             | 56.00           | 46.00            | -14.79         | -12.58          | Pass   |
| 5   | 1.2460          | 23.19             | 12.26              | 9.72                   | 32.91            | 21.98             | 56.00           | 46.00            | -23.09         | -24.02          | Pass   |
| 6   | 1.3900          | 24.13             | 12.64              | 9.73                   | 33.86            | 22.37             | 56.00           | 46.00            | -22.14         | -23.63          | Pass   |

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

|              |                    |                      |                |
|--------------|--------------------|----------------------|----------------|
| Standard:    | RSS-Gen            | Line:                | N              |
| Test item:   | Conducted Emission | Power:               | AC 120 V/60 Hz |
| Mode:        | Mode 1             | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Description: |                    |                      |                |



| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.5860             | 28.27                   | 18.47                    | 9.70                         | 37.97                  | 28.17                   | 56.00                 | 46.00                  | -18.03               | -17.83                | Pass   |
| 2   | 0.5980             | 28.71                   | 19.58                    | 9.70                         | 38.41                  | 29.28                   | 56.00                 | 46.00                  | -17.59               | -16.72                | Pass   |
| 3   | 0.6460             | 26.91                   | 19.30                    | 9.70                         | 36.61                  | 29.00                   | 56.00                 | 46.00                  | -19.39               | -17.00                | Pass   |
| 4   | 0.6700             | 30.03                   | 20.43                    | 9.70                         | 39.73                  | 30.13                   | 56.00                 | 46.00                  | -16.27               | -15.87                | Pass   |
| 5   | 0.6820             | 32.47                   | 22.90                    | 9.70                         | 42.17                  | 32.60                   | 56.00                 | 46.00                  | -13.83               | -13.40                | Pass   |
| 6   | 0.6900             | 33.15                   | 23.87                    | 9.70                         | 42.85                  | 33.57                   | 56.00                 | 46.00                  | -13.15               | -12.43                | Pass   |

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

## Annex B. Conducted Test Results

### Max. Transmitter Output Power and E.I.R.P. Measurement

| Test Mode | Frequency (MHz) | RF Power setting in Test Software | Test Software Version |
|-----------|-----------------|-----------------------------------|-----------------------|
| Mode 2    | 2412            | 69.0                              | PuTTY                 |
|           | 2437            | 69.0                              |                       |
|           | 2462            | 69.0                              |                       |
| Mode 3    | 2412            | 68.0                              |                       |
|           | 2437            | 68.0                              |                       |
|           | 2462            | 68.0                              |                       |
| Mode 4    | 2412            | 67.0                              |                       |
|           | 2437            | 68.0                              |                       |
|           | 2462            | 68.0                              |                       |

| Test Mode | Frequency (MHz) | Average Output Power |       | Peak Output Power   |              |       |
|-----------|-----------------|----------------------|-------|---------------------|--------------|-------|
|           |                 | Measurement Results  |       | Measurement Results |              | Limit |
|           |                 | dBm                  | W     | dBm                 | W            | dBm   |
| Mode 2    | 2412            | 17.25                | 0.053 | 19.66               | 0.092        | ≤ 30  |
|           | 2437            | 17.31                | 0.054 | <b>19.76</b>        | <b>0.095</b> | ≤ 30  |
|           | 2462            | 17.29                | 0.054 | 19.74               | 0.094        | ≤ 30  |
| Mode 3    | 2412            | 16.94                | 0.049 | 26.66               | 0.463        | ≤ 30  |
|           | 2437            | 16.98                | 0.050 | 26.72               | 0.470        | ≤ 30  |
|           | 2462            | 17.07                | 0.051 | <b>26.73</b>        | <b>0.471</b> | ≤ 30  |
| Mode 4    | 2412            | 16.51                | 0.045 | 25.89               | 0.388        | ≤ 30  |
|           | 2437            | 16.88                | 0.049 | <b>26.57</b>        | <b>0.454</b> | ≤ 30  |
|           | 2462            | 16.81                | 0.048 | 26.35               | 0.432        | ≤ 30  |

Note: The relevant measured result has the offset with cable loss already.

| Antenna Gain | 1.18 dBi        |                    |              |       |
|--------------|-----------------|--------------------|--------------|-------|
| Test Mode    | Frequency (MHz) | E.I.R.P.           |              |       |
|              |                 | Calculated Results |              | Limit |
|              |                 | (dBm)              | (W)          | (W)   |
| Mode 2       | 2412            | 20.84              | 0.121        | ≤ 4   |
|              | 2437            | <b>20.94</b>       | <b>0.124</b> | ≤ 4   |
|              | 2462            | 20.92              | 0.124        | ≤ 4   |
| Mode 3       | 2412            | 27.84              | 0.608        | ≤ 4   |
|              | 2437            | 27.90              | 0.617        | ≤ 4   |
|              | 2462            | <b>27.91</b>       | <b>0.618</b> | ≤ 4   |
| Mode 4       | 2412            | 27.07              | 0.509        | ≤ 4   |
|              | 2437            | <b>27.75</b>       | <b>0.596</b> | ≤ 4   |
|              | 2462            | 27.53              | 0.566        | ≤ 4   |

Note: E.I.R.P. (dBm) = Conducted power (dBm) + Antenna Gain (dBi)

#### 6 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement

| ANT-0     |                 |                         |       |                         |
|-----------|-----------------|-------------------------|-------|-------------------------|
| Test Mode | Frequency (MHz) | 6 dB Emission Bandwidth |       | 99 % Occupied Bandwidth |
|           |                 | Measurement Results     | Limit | Measurement Results     |
|           |                 | (kHz)                   | (kHz) | (MHz)                   |
| Mode 2    | 2412            | 9058                    | ≥ 500 | 13.951                  |
|           | 2437            | 9066                    | ≥ 500 | 13.941                  |
|           | 2462            | 9050                    | ≥ 500 | 13.944                  |
| Mode 3    | 2412            | 15110                   | ≥ 500 | 16.456                  |
|           | 2437            | 15100                   | ≥ 500 | 16.457                  |
|           | 2462            | 15120                   | ≥ 500 | 16.480                  |
| Mode 4    | 2412            | 15120                   | ≥ 500 | 17.535                  |
|           | 2437            | 15100                   | ≥ 500 | 17.552                  |
|           | 2462            | 15110                   | ≥ 500 | 17.562                  |



6 dB RF Bandwidth

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



99 % Occupied Bandwidth

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

2412 MHz



2437 MHz



2462 MHz





#### Maximum Power Spectral Density Measurement

| Test Mode | Frequency<br>(MHz) | Measurement<br>(dBm/3 kHz) | Limit<br>(dBm/ 3 kHz) |
|-----------|--------------------|----------------------------|-----------------------|
| Mode 2    | 2412               | -4.280                     | $\leq 8$              |
|           | 2437               | -4.100                     | $\leq 8$              |
|           | 2462               | -4.070                     | $\leq 8$              |
| Mode 3    | 2412               | -7.700                     | $\leq 8$              |
|           | 2437               | -6.790                     | $\leq 8$              |
|           | 2462               | -7.520                     | $\leq 8$              |
| Mode 4    | 2412               | -7.690                     | $\leq 8$              |
|           | 2437               | -7.150                     | $\leq 8$              |
|           | 2462               | -8.280                     | $\leq 8$              |

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode

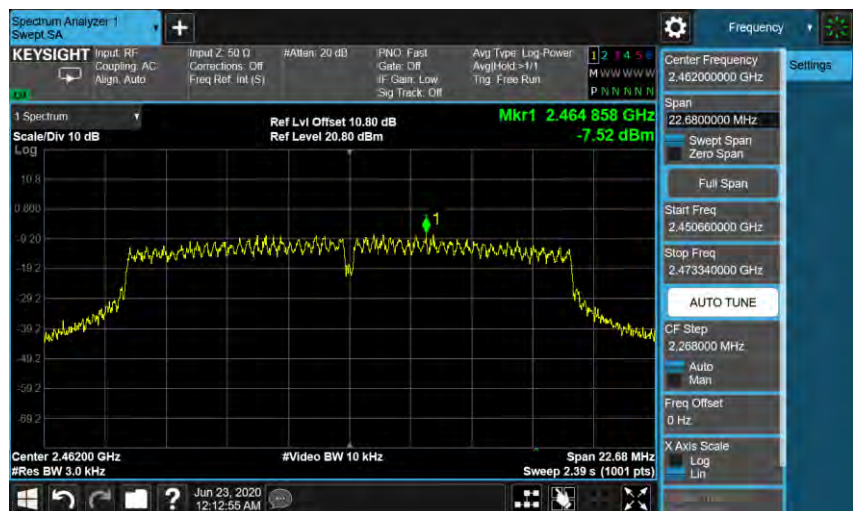
2412 MHz



2437 MHz

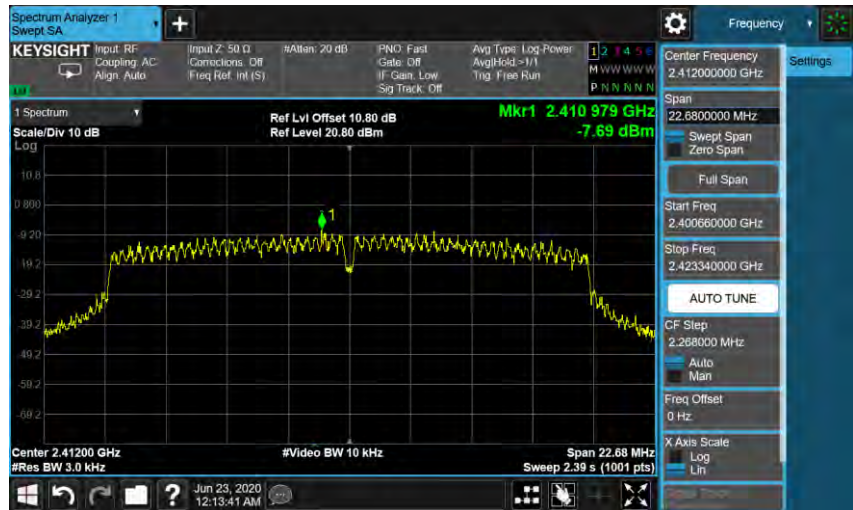


2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

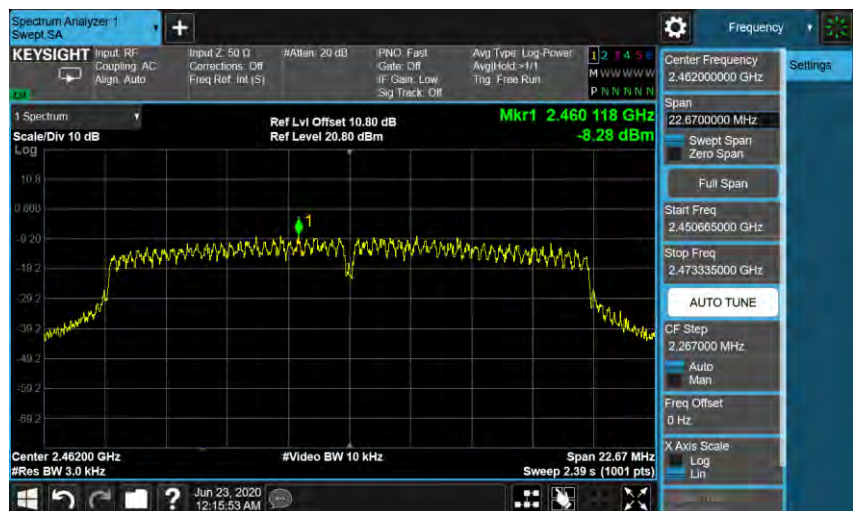
2412 MHz



2437 MHz



2462 MHz



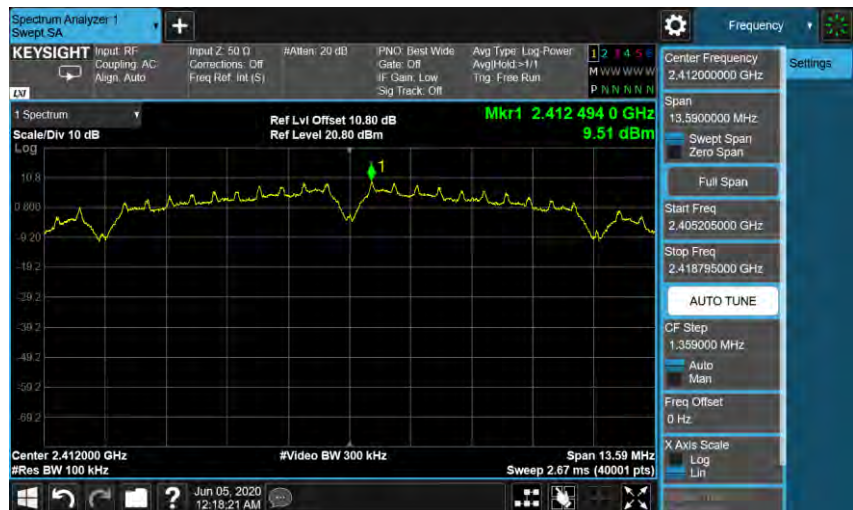
## Out of Band Conducted Spurious Emission and Conducted Band Edge Measurement

### ■ Test Graphs

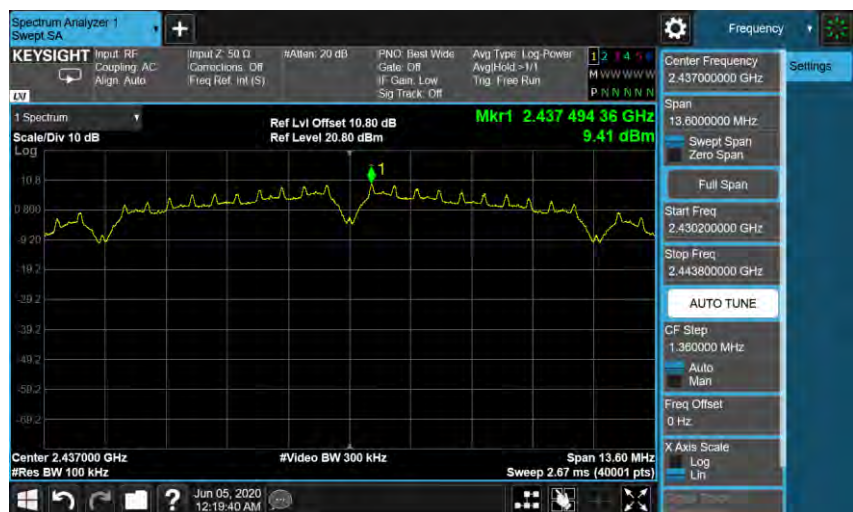
#### Reference level

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



## Out of Band Conducted Spurious Emission

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

2412 MHz



2437 MHz



2462 MHz



## Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode

2412 MHz



2462 MHz

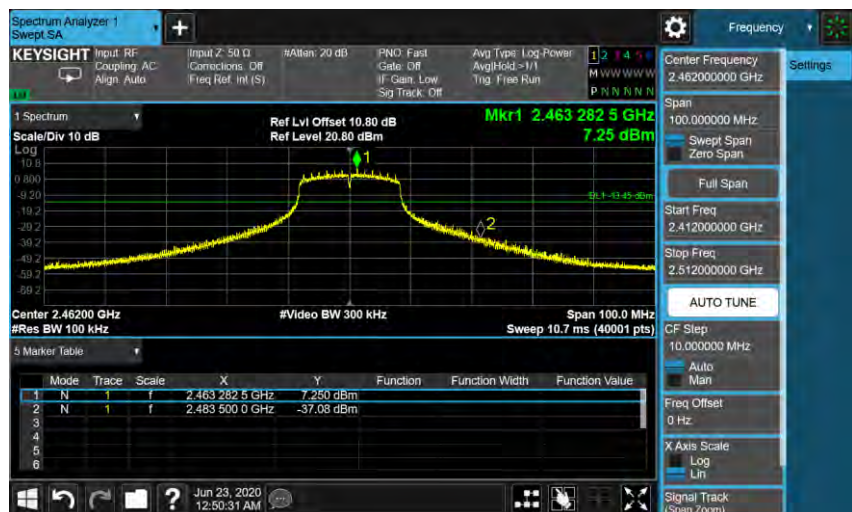


Mode 3: IEEE 802.11g Continuous TX mode

2412 MHz

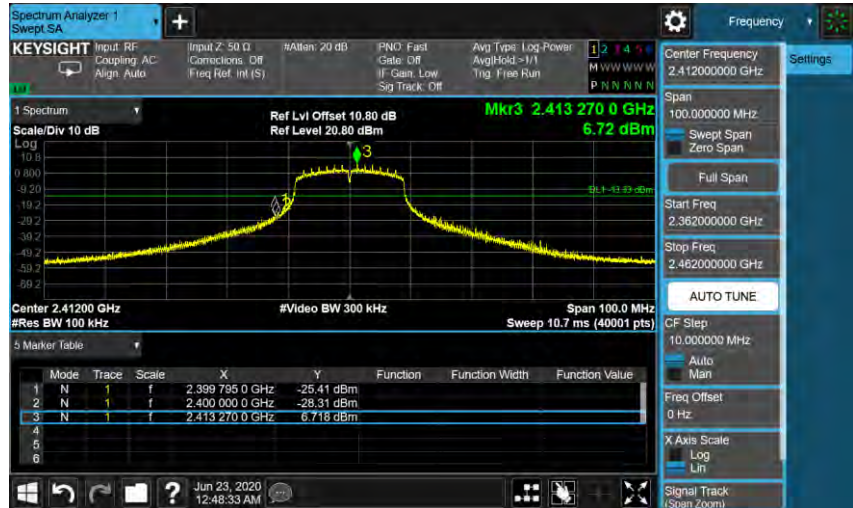


2462 MHz

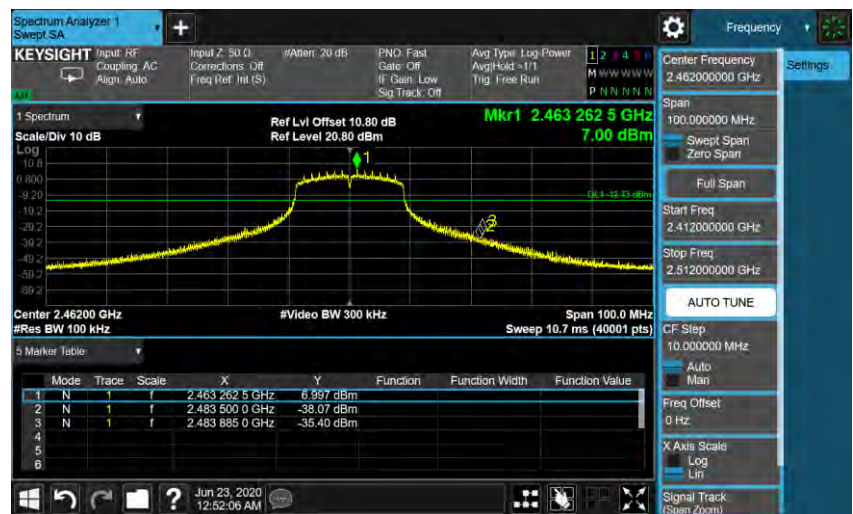


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode

2412 MHz



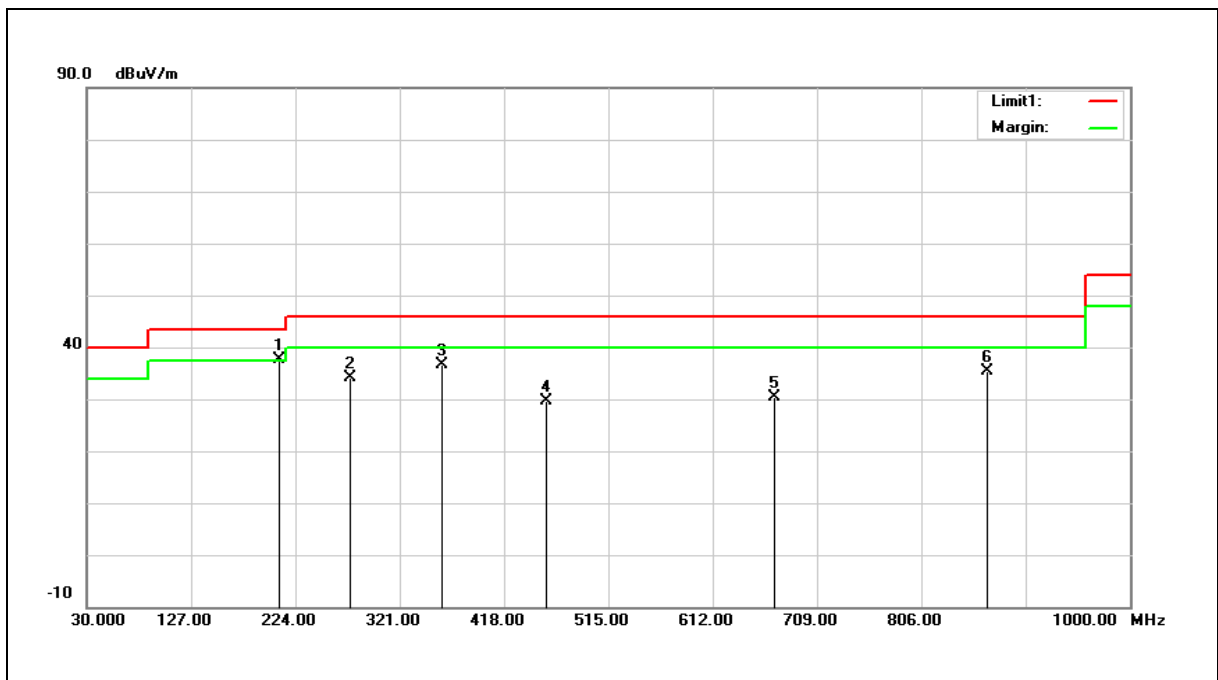
2462 MHz



## Annex C. Radiated Emission Measurement

Below 1 GHz

|             |                   |                      |                |
|-------------|-------------------|----------------------|----------------|
| Standard:   | RSS-Gen           | Test Distance:       | 3m             |
| Test item:  | Radiated Emission | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412 MHz          | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2            |                      |                |
| Ant.Polar.: | Horizontal        |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 209.4500        | 45.34          | -7.68                 | 37.66           | 43.50          | -5.84       | QP     |
| 2   | 274.4400        | 39.09          | -4.93                 | 34.16           | 46.00          | -11.84      | QP     |
| 3   | 360.7700        | 39.66          | -3.11                 | 36.55           | 46.00          | -9.45       | QP     |
| 4   | 456.8000        | 30.28          | -0.62                 | 29.66           | 46.00          | -16.34      | QP     |
| 5   | 669.2300        | 26.96          | 3.30                  | 30.26           | 46.00          | -15.74      | QP     |
| 6   | 867.1100        | 28.31          | 6.97                  | 35.28           | 46.00          | -10.72      | QP     |

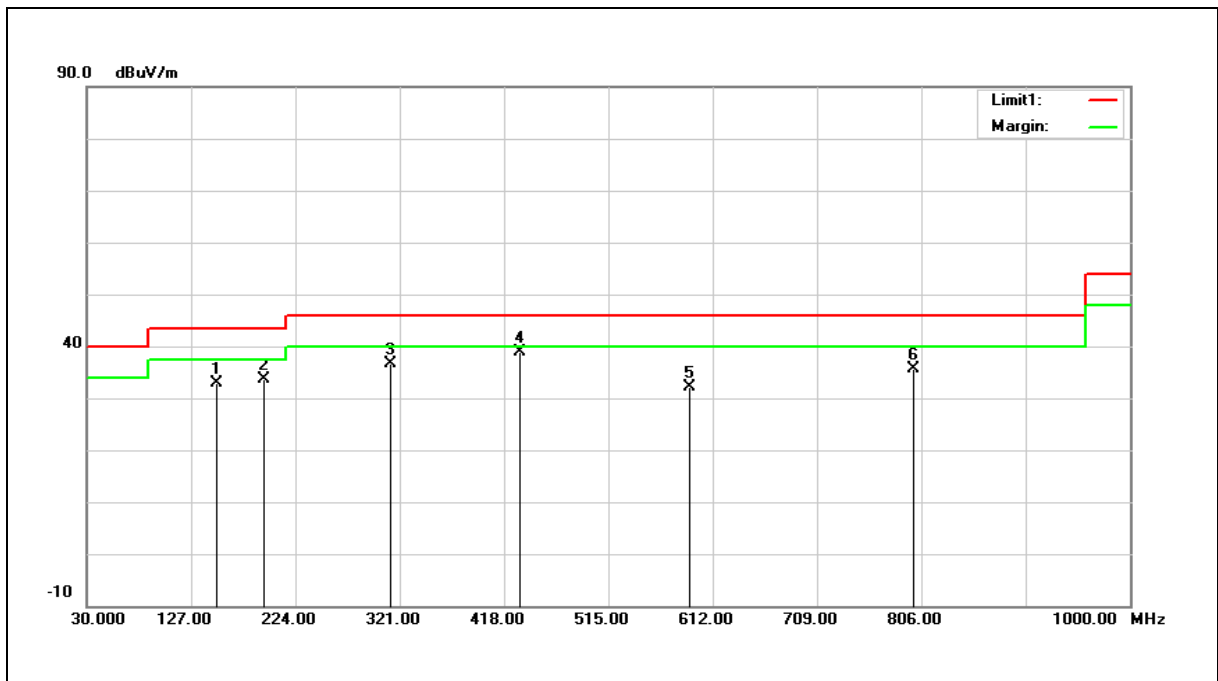
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 37.66=-7.68+45.34.

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |                   |                      |                |
|-------------|-------------------|----------------------|----------------|
| Standard:   | RSS-Gen           | Test Distance:       | 3m             |
| Test item:  | Radiated Emission | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412 MHz          | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2            |                      |                |
| Ant.Polar.: | Vertical          |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 150.2800        | 38.66          | -5.75                 | 32.91           | 43.50          | -10.59      | QP     |
| 2   | 194.9000        | 41.18          | -7.51                 | 33.67           | 43.50          | -9.83       | QP     |
| 3   | 312.2700        | 40.51          | -4.00                 | 36.51           | 46.00          | -9.49       | QP     |
| 4   | 432.5500        | 39.99          | -1.19                 | 38.80           | 46.00          | -7.20       | QP     |
| 5   | 590.6600        | 30.02          | 2.23                  | 32.25           | 46.00          | -13.75      | QP     |
| 6   | 798.2400        | 29.75          | 5.81                  | 35.56           | 46.00          | -10.44      | QP     |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 32.91=-5.75+38.66.

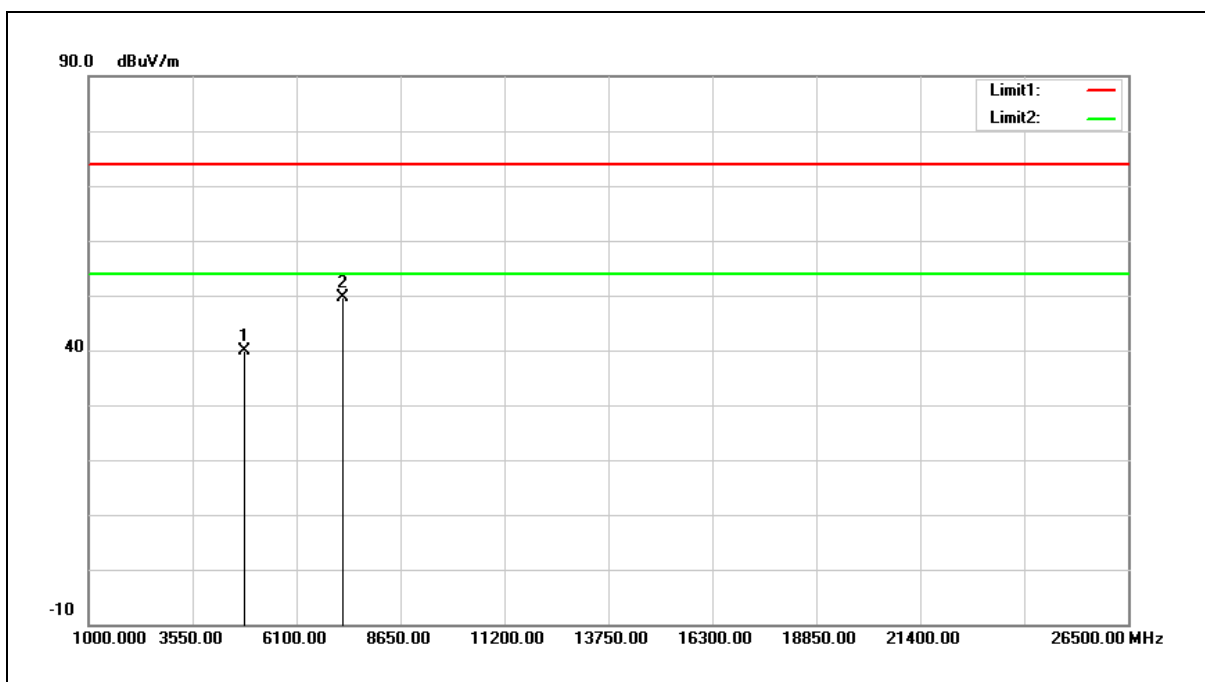
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

## Harmonic

Above 1 GHz

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 34.00          | 5.97                  | 39.97           | 74.00          | -34.03      | peak   |
| 2   | 7236.000        | 37.17          | 12.48                 | 49.65           | 74.00          | -24.35      | peak   |

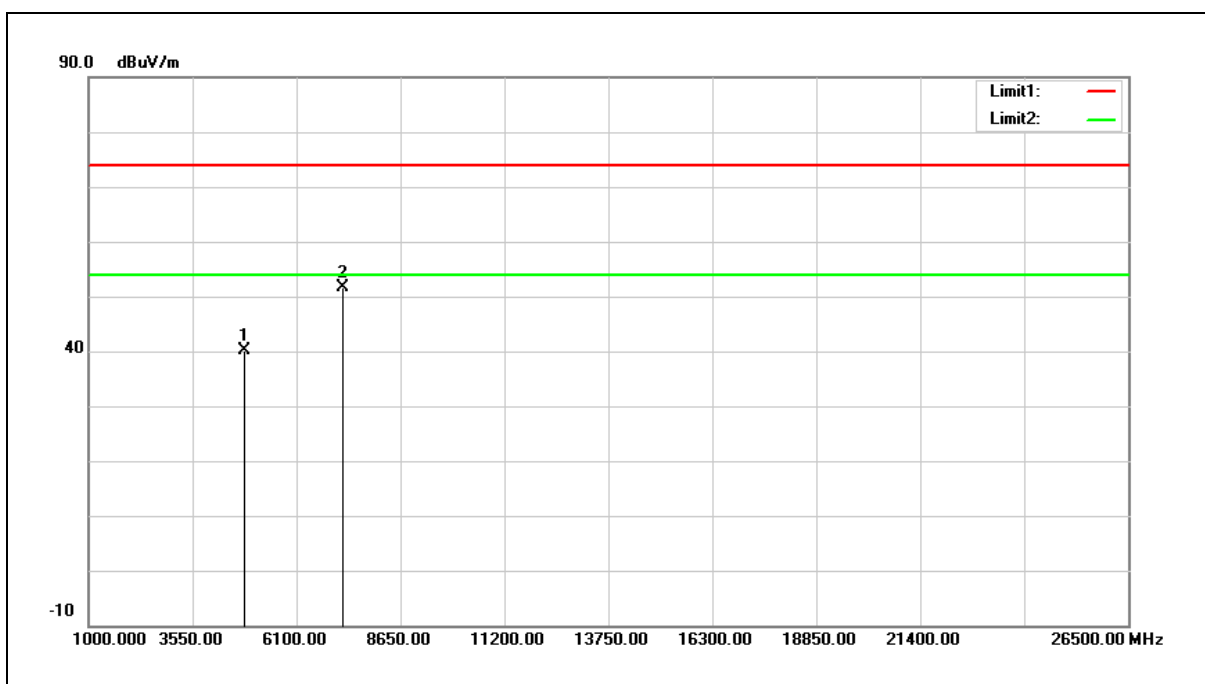
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 39.97=5.97+34.00.

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 34.19          | 5.97                  | 40.16           | 74.00          | -33.84      | peak   |
| 2   | 7236.000        | 39.20          | 12.48                 | 51.68           | 74.00          | -22.32      | peak   |

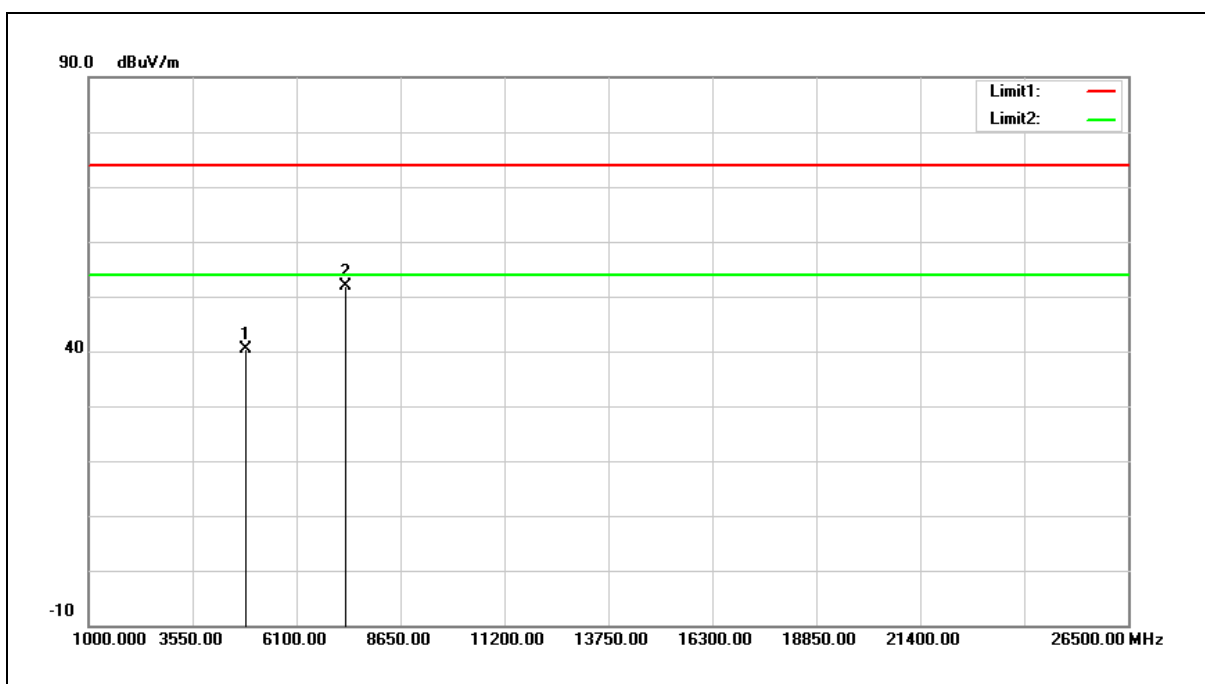
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

Example: 40.16=5.97+34.19.

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



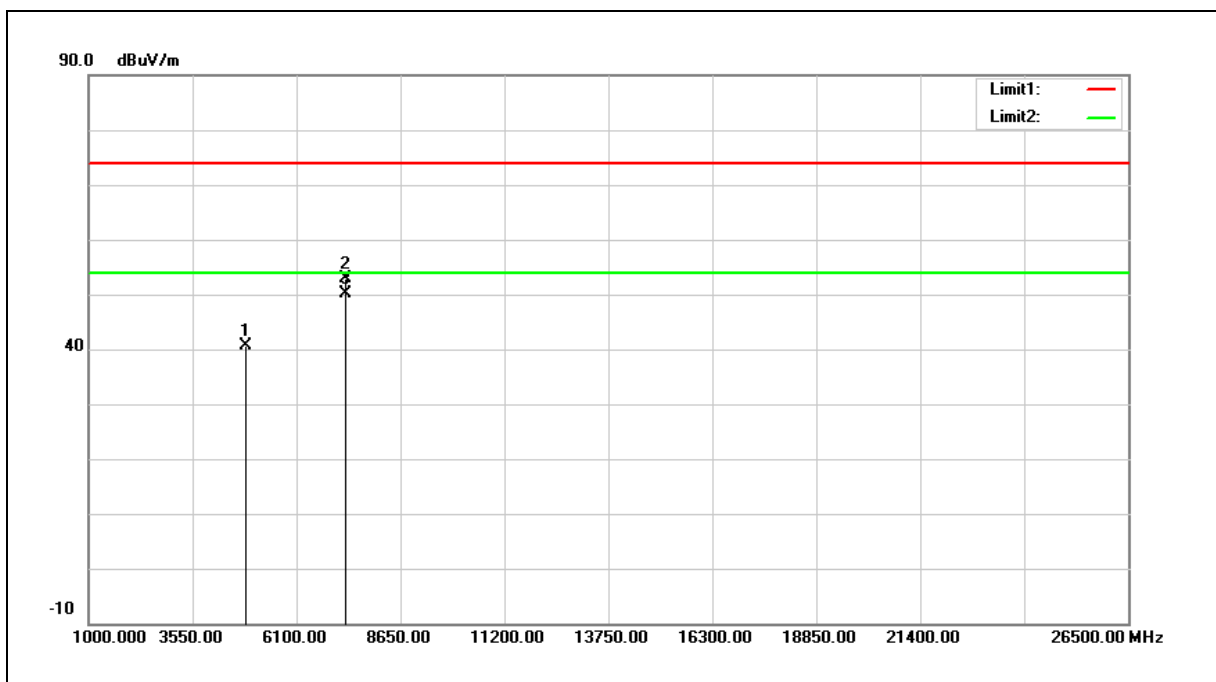
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 34.27          | 6.12                  | 40.39           | 74.00          | -33.61      | peak   |
| 2   | 7311.000        | 39.22          | 12.73                 | 51.95           | 74.00          | -22.05      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



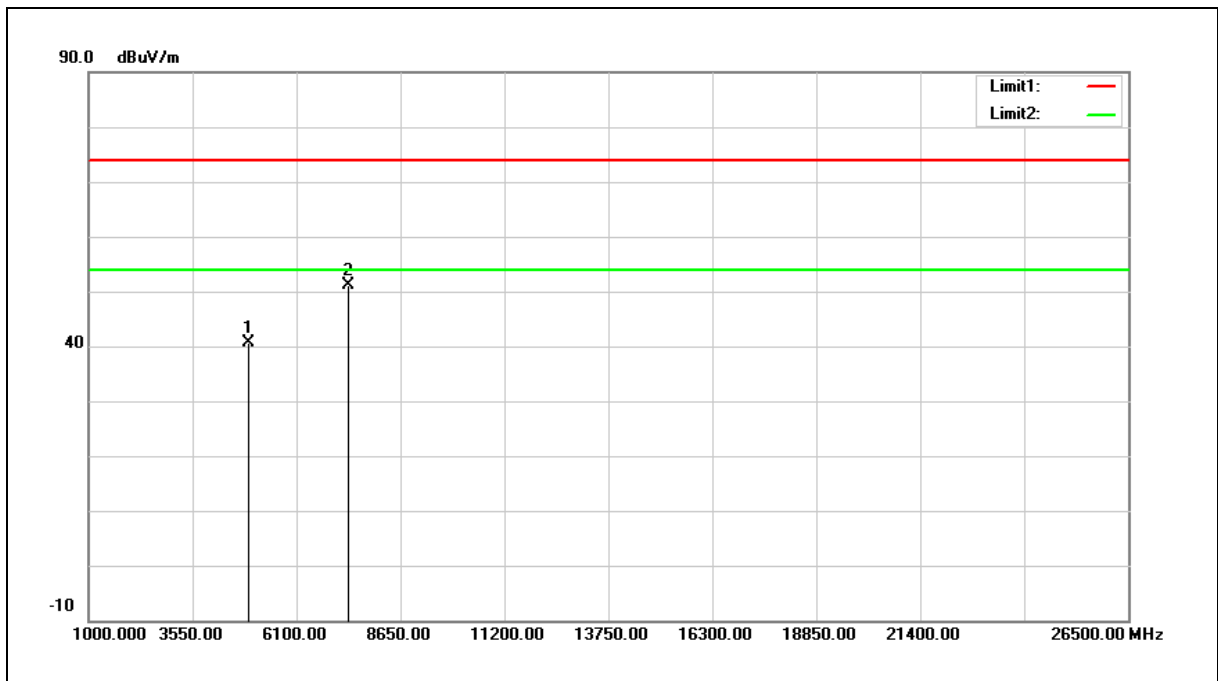
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 34.49          | 6.12                  | 40.61           | 74.00          | -33.39      | peak   |
| 2   | 7311.000        | 40.17          | 12.73                 | 52.90           | 74.00          | -21.10      | peak   |
| 3   | 7311.000        | 37.29          | 12.73                 | 50.02           | 54.00          | -3.98       | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



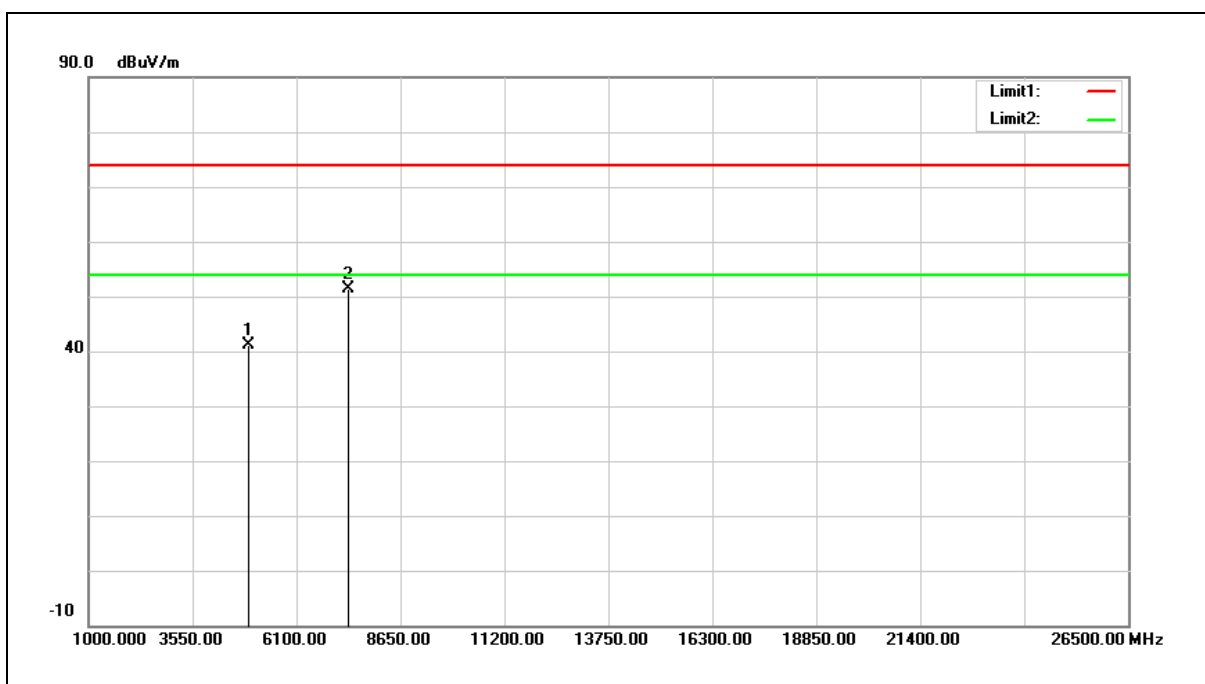
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 34.45          | 6.28                  | 40.73           | 74.00          | -33.27      | peak   |
| 2   | 7386.000        | 38.18          | 12.99                 | 51.17           | 74.00          | -22.83      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



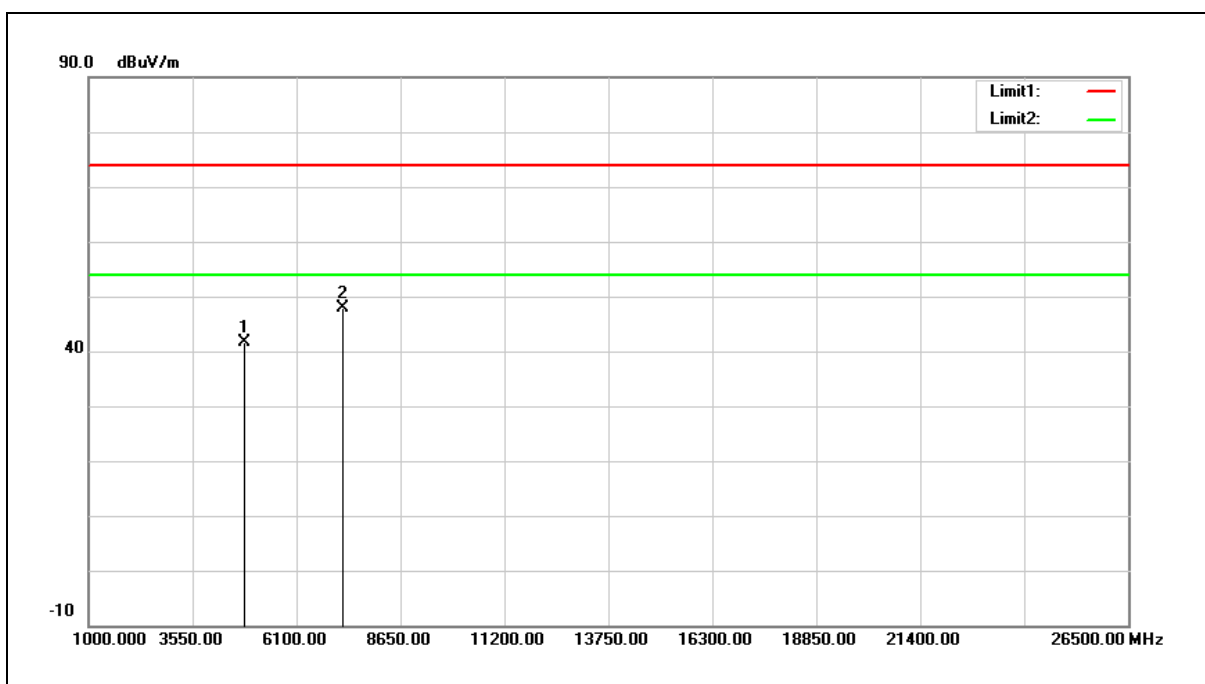
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 34.79          | 6.28                  | 41.07           | 74.00          | -32.93      | peak   |
| 2   | 7386.000        | 38.29          | 12.99                 | 51.28           | 74.00          | -22.72      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



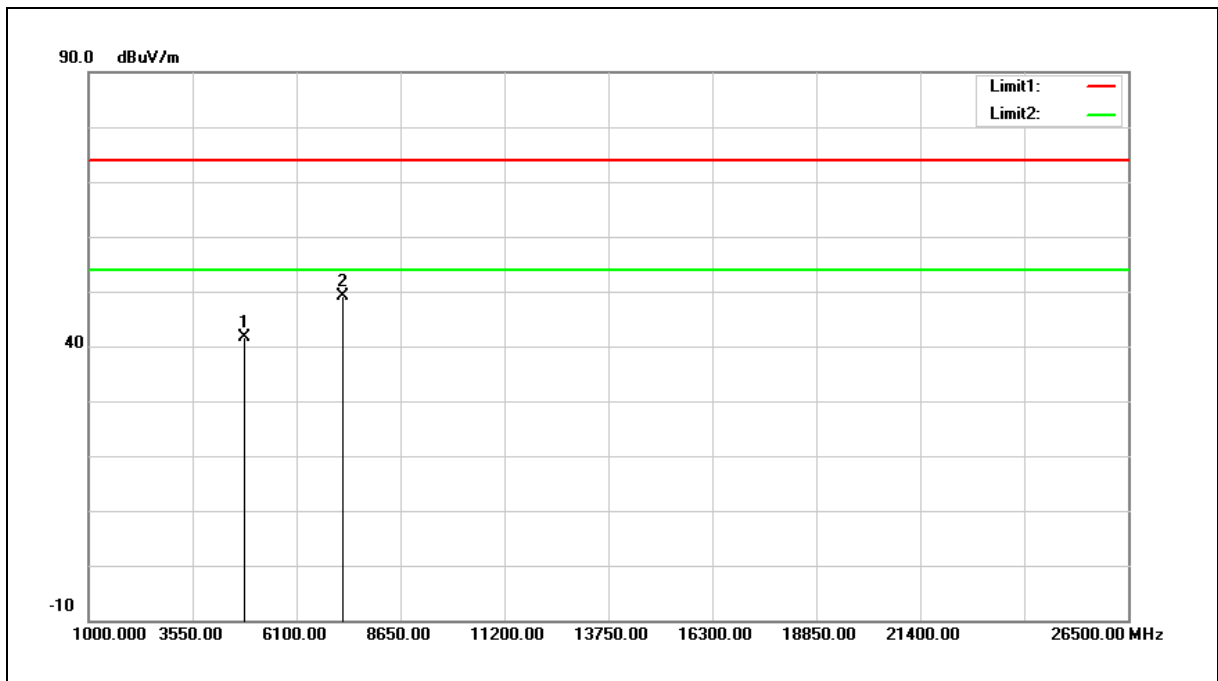
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 35.63          | 5.97                  | 41.60           | 74.00          | -32.40      | peak   |
| 2   | 7236.000        | 35.33          | 12.48                 | 47.81           | 74.00          | -26.19      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



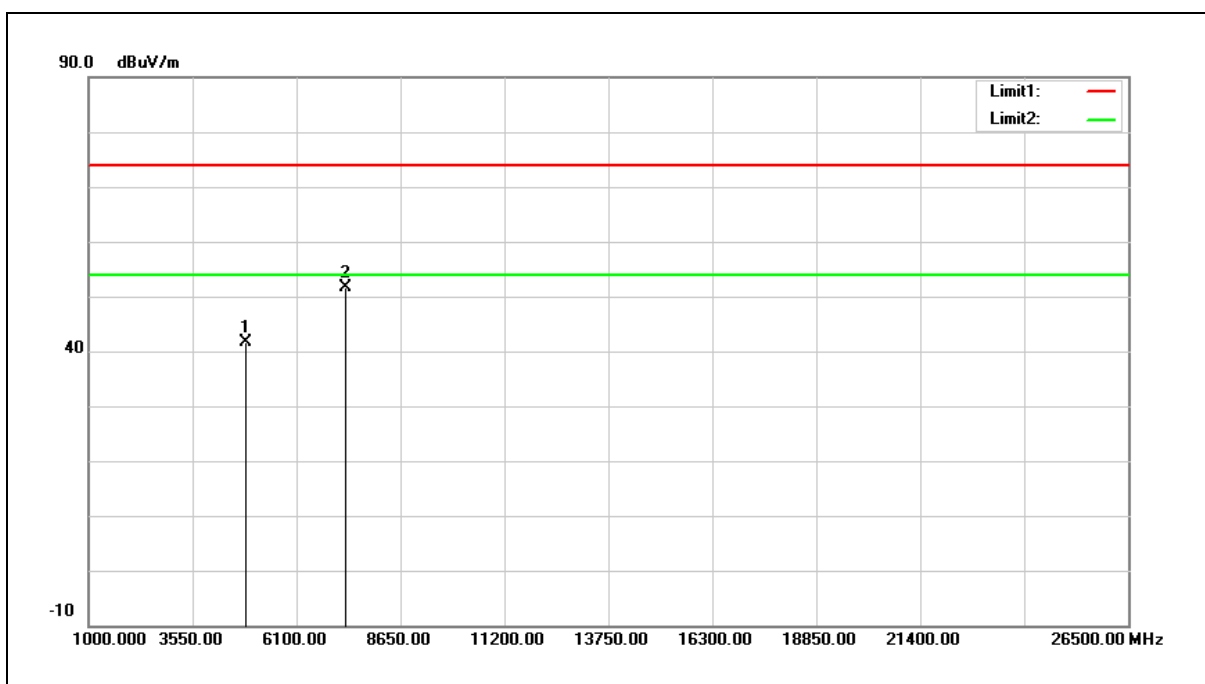
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 35.75          | 5.97                  | 41.72           | 74.00          | -32.28      | peak   |
| 2   | 7236.000        | 36.70          | 12.48                 | 49.18           | 74.00          | -24.82      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



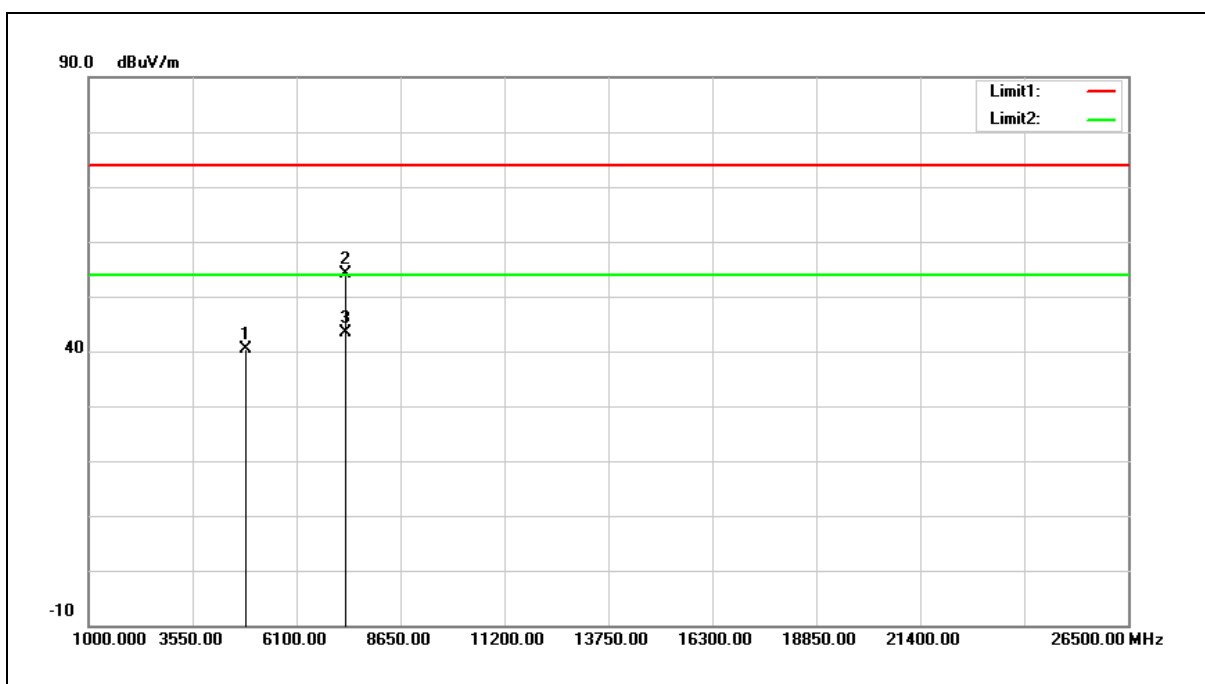
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 35.44          | 6.12                  | 41.56           | 74.00          | -32.44      | peak   |
| 2   | 7311.000        | 38.96          | 12.73                 | 51.69           | 74.00          | -22.31      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



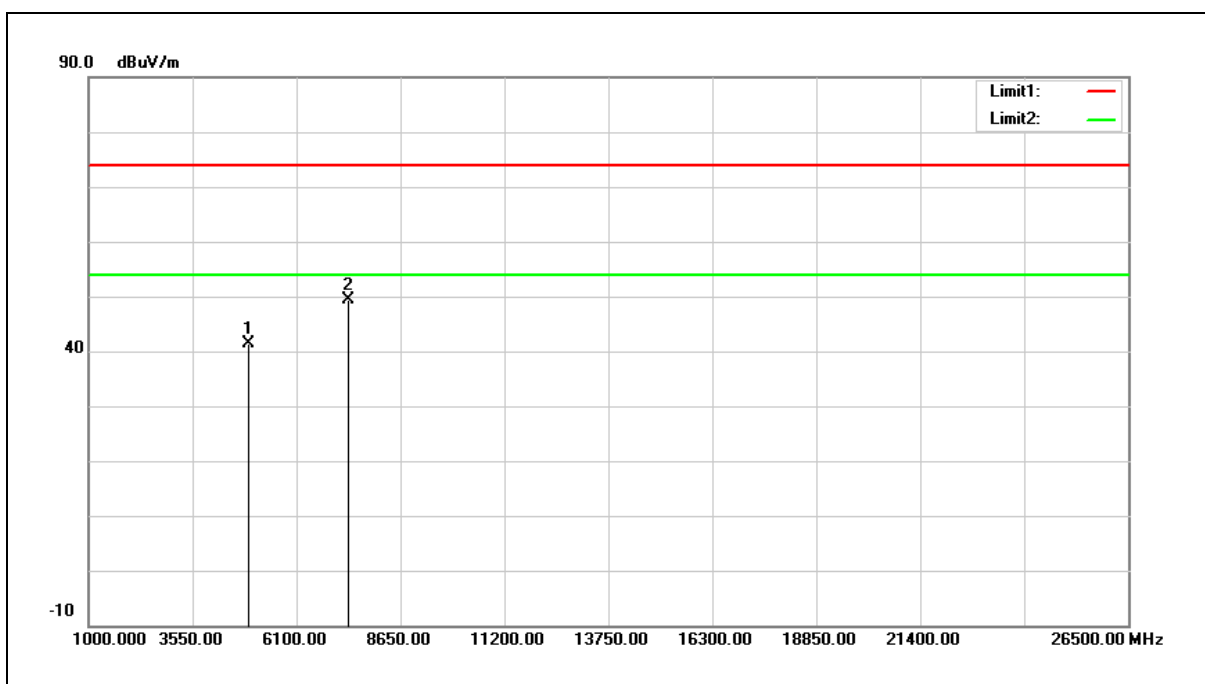
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 34.25          | 6.12                  | 40.37           | 74.00          | -33.63      | peak   |
| 2   | 7311.000        | 41.40          | 12.73                 | 54.13           | 74.00          | -19.87      | peak   |
| 3   | 7311.000        | 30.53          | 12.73                 | 43.26           | 54.00          | -10.74      | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



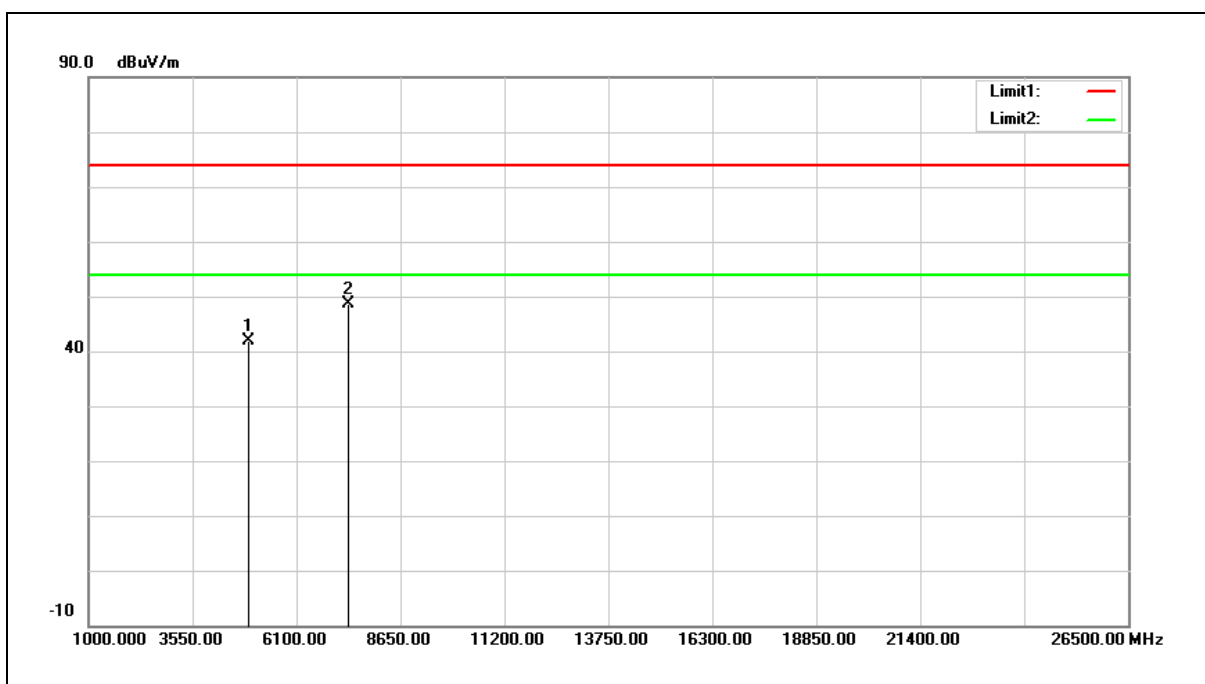
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 35.09          | 6.28                  | 41.37           | 74.00          | -32.63      | peak   |
| 2   | 7386.000        | 36.27          | 12.99                 | 49.26           | 74.00          | -24.74      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



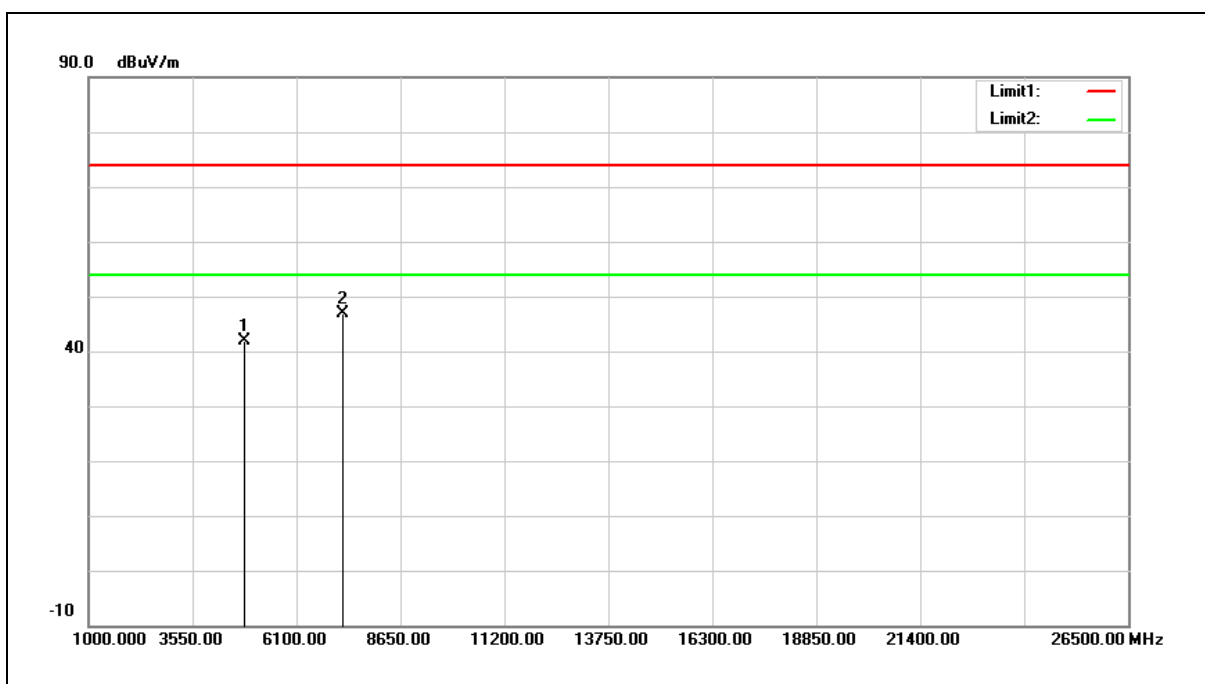
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 35.60          | 6.28                  | 41.88           | 74.00          | -32.12      | peak   |
| 2   | 7386.000        | 35.62          | 12.99                 | 48.61           | 74.00          | -25.39      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



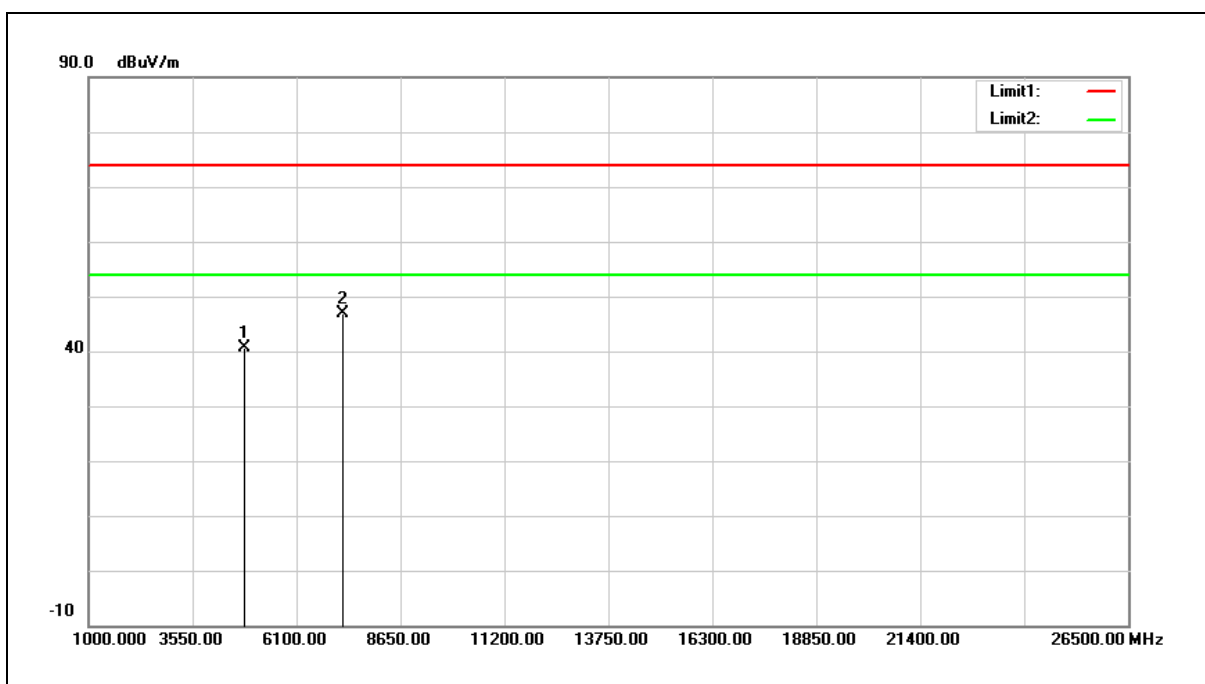
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 35.83          | 5.97                  | 41.80           | 74.00          | -32.20      | peak   |
| 2   | 7236.000        | 34.36          | 12.48                 | 46.84           | 74.00          | -27.16      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



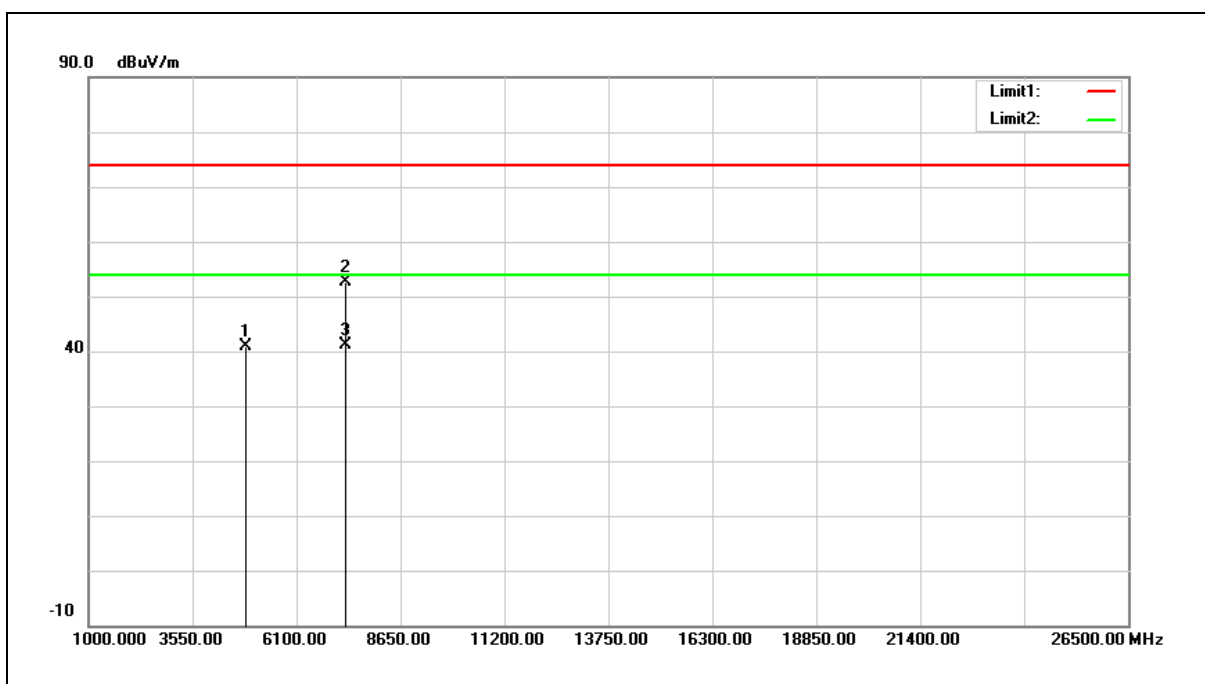
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4824.000        | 34.75          | 5.97                  | 40.72           | 74.00          | -33.28      | peak   |
| 2   | 7236.000        | 34.45          | 12.48                 | 46.93           | 74.00          | -27.07      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 34.88          | 6.12                  | 41.00           | 74.00          | -33.00      | peak   |
| 2   | 7311.000        | 40.00          | 12.73                 | 52.73           | 74.00          | -21.27      | peak   |
| 3   | 7311.000        | 28.43          | 12.73                 | 41.16           | 54.00          | -12.84      | AVG    |

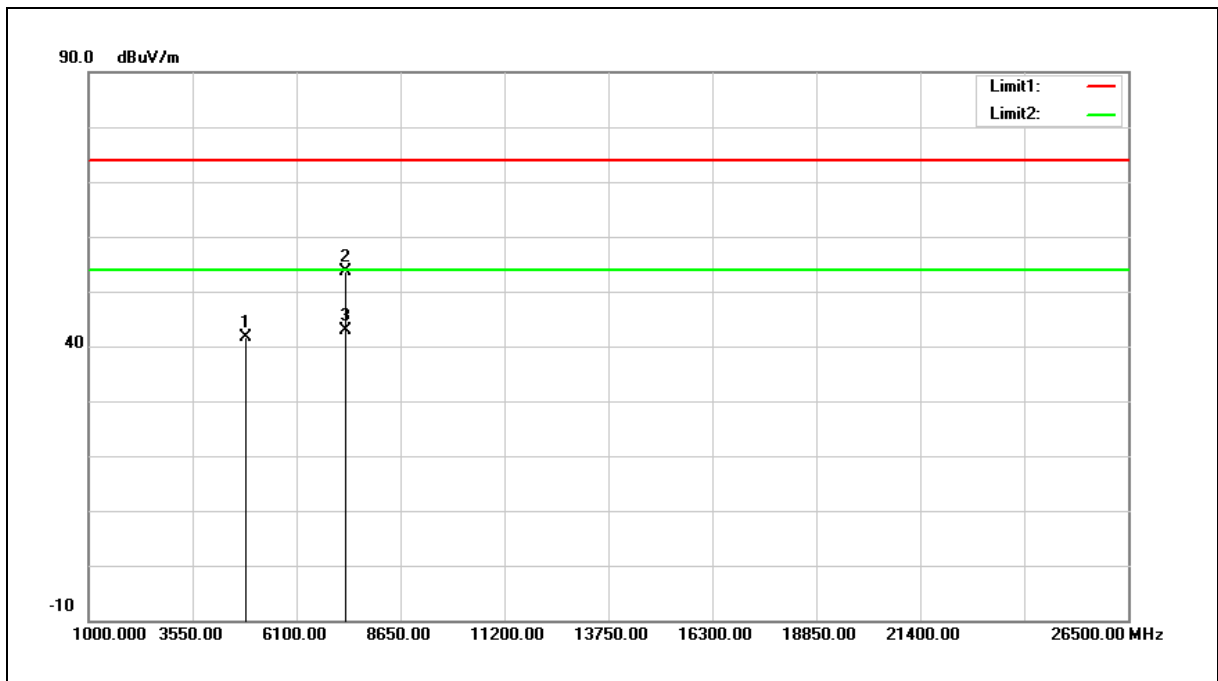
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.



|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2437MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



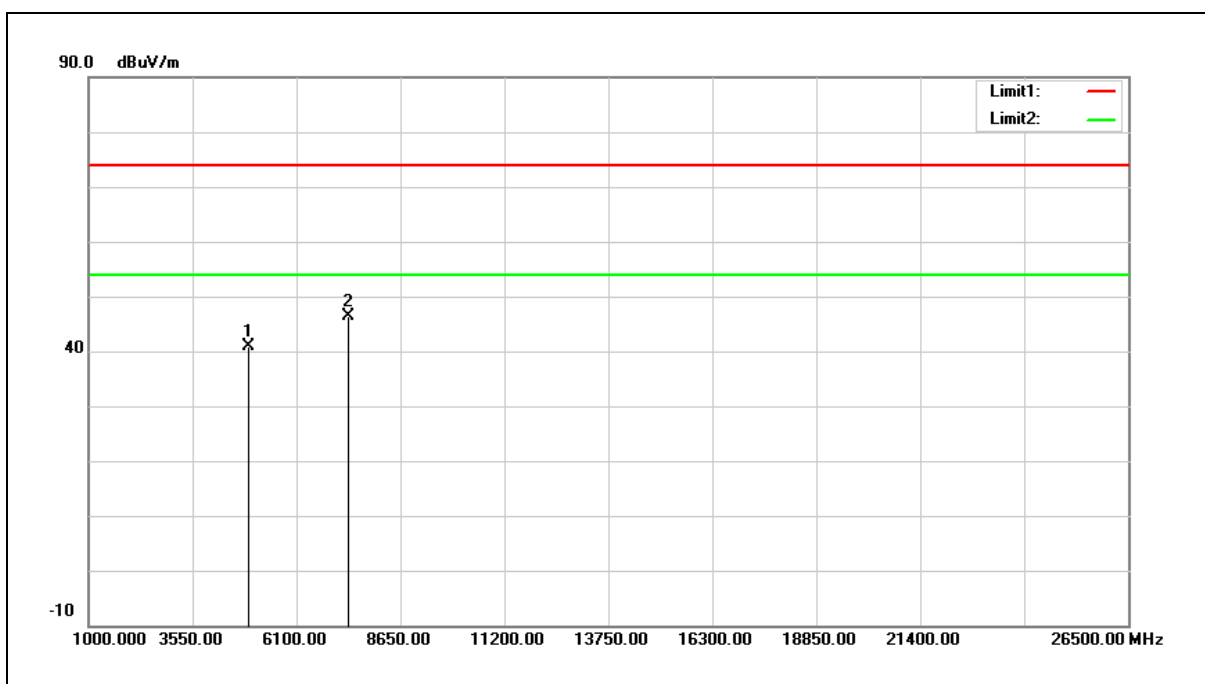
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4874.000        | 35.42          | 6.12                  | 41.54           | 74.00          | -32.46      | peak   |
| 2   | 7311.000        | 40.86          | 12.73                 | 53.59           | 74.00          | -20.41      | peak   |
| 3   | 7311.000        | 30.16          | 12.73                 | 42.89           | 54.00          | -11.11      | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-Gen    | Test Distance:       | 3m             |
| Test item:  | Harmonic   | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



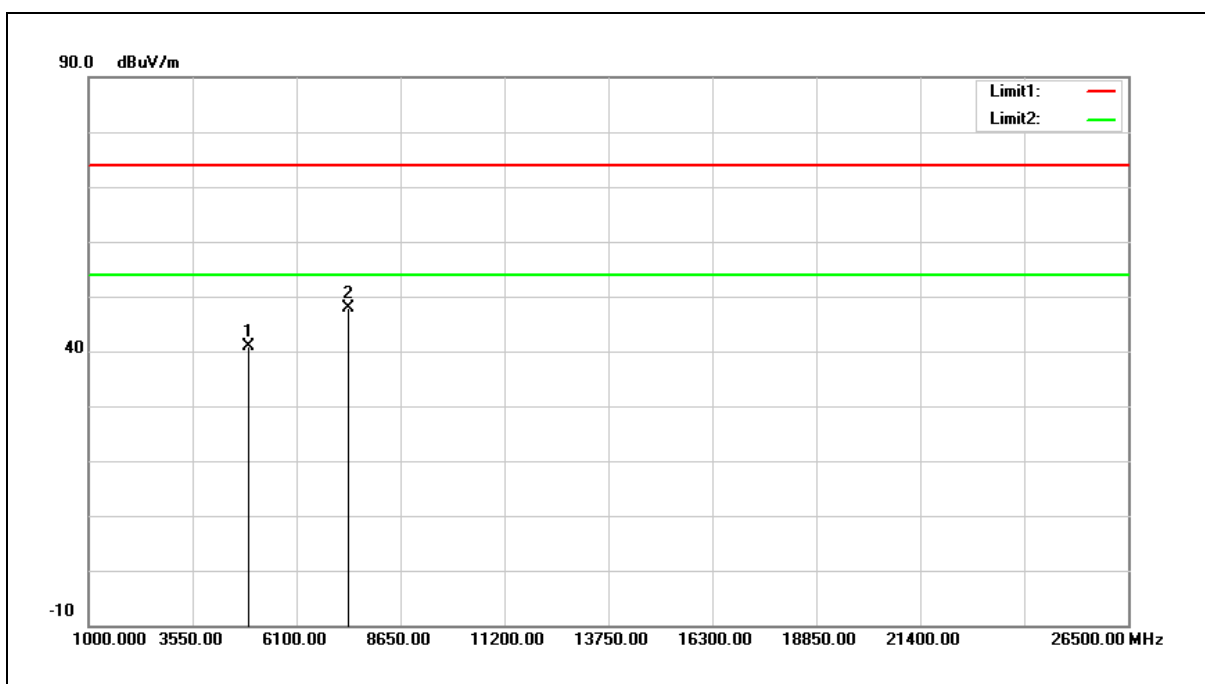
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 4924.000        | 34.56          | 6.28                  | 40.84           | 74.00          | -33.16      | peak   |
| 2   | 7386.000        | 33.51          | 12.99                 | 46.50           | 74.00          | -27.50      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |          |                      |                |
|-------------|----------|----------------------|----------------|
| Standard:   | RSS-Gen  | Test Distance:       | 3m             |
| Test item:  | Harmonic | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz  | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4   |                      |                |
| Ant.Polar.: | Vertical |                      |                |



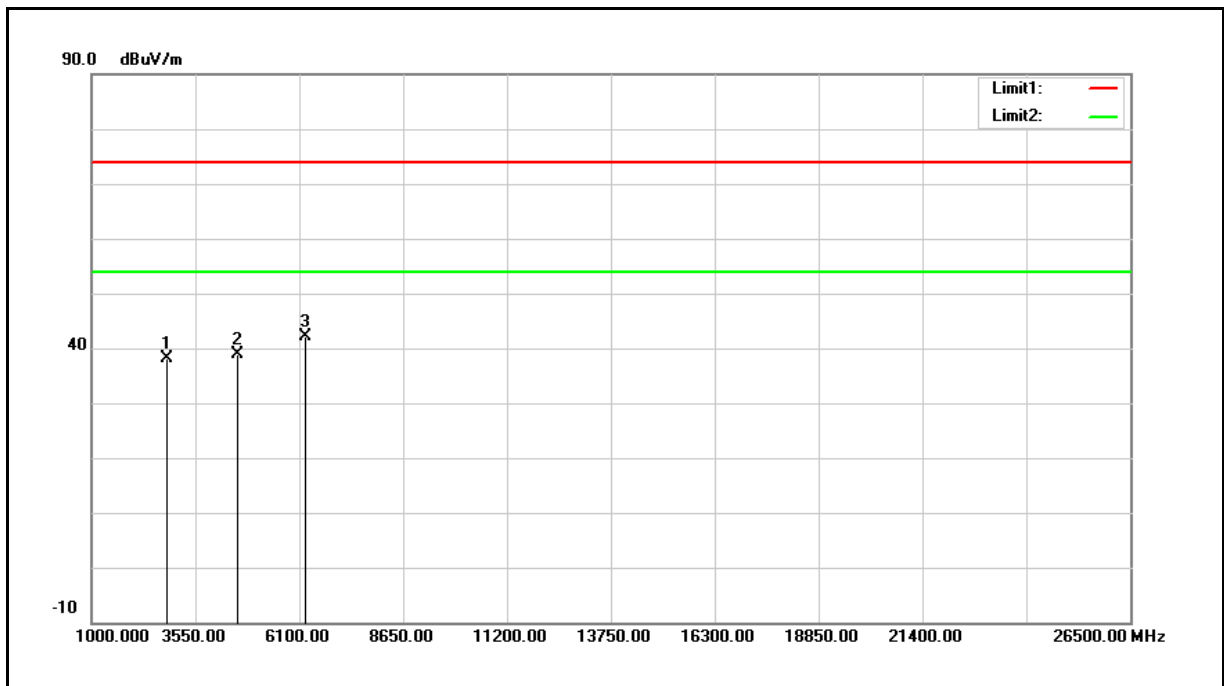
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 4924.000           | 34.70             | 6.28                     | 40.98              | 74.00             | -33.02         | peak   |
| 2   | 7386.000           | 34.86             | 12.99                    | 47.85              | 74.00             | -26.15         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |                                                         |                      |                |
|-------------|---------------------------------------------------------|----------------------|----------------|
| Standard:   | RSS-Gen                                                 | Test Distance:       | 3m             |
| Test item:  | Harmonic                                                | Power:               | AC 120 V/60 Hz |
| Mode:       | Simultaneous Transmitting<br>(WLAN 2.4 GHz + Bluetooth) | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Ant.Polar.: | Horizontal                                              |                      |                |



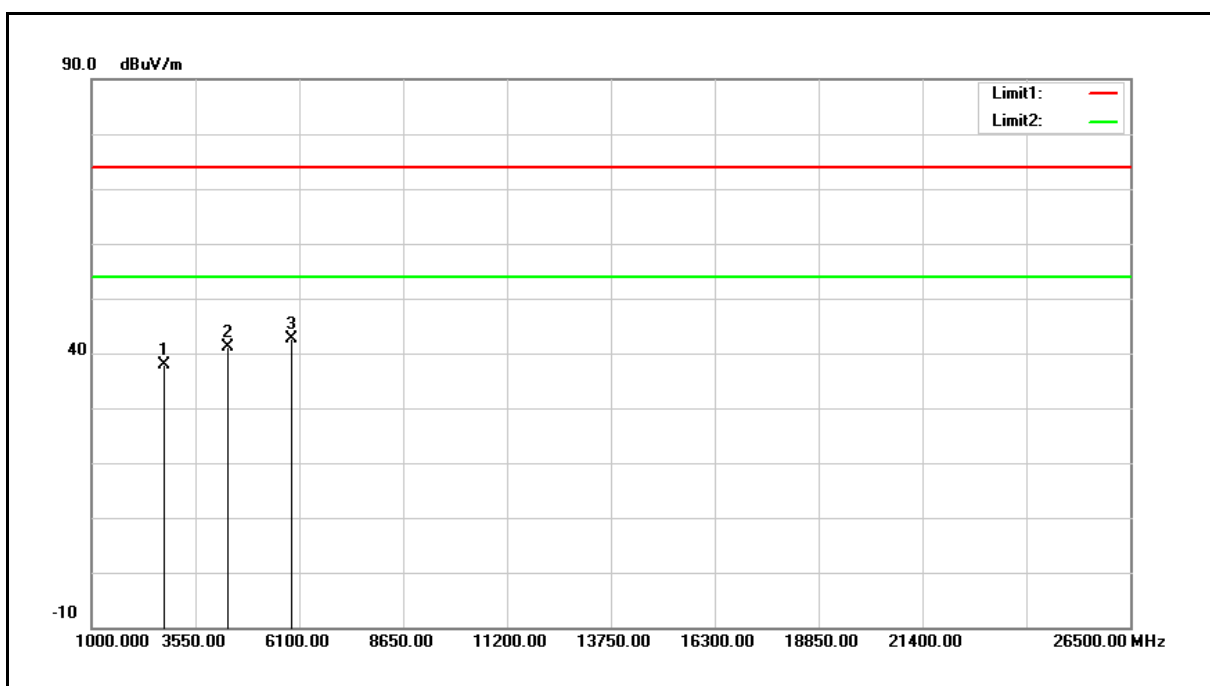
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2819.000           | 37.45             | 0.62                     | 38.07              | 74.00             | -35.93         | peak   |
| 2   | 4570.000           | 33.58             | 5.19                     | 38.77              | 74.00             | -35.23         | peak   |
| 3   | 6253.000           | 32.43             | 9.69                     | 42.12              | 74.00             | -31.88         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |                                                         |                      |                |
|-------------|---------------------------------------------------------|----------------------|----------------|
| Standard:   | RSS-Gen                                                 | Test Distance:       | 3m             |
| Test item:  | Harmonic                                                | Power:               | AC 120 V/60 Hz |
| Mode:       | Simultaneous Transmitting<br>(WLAN 2.4 GHz + Bluetooth) | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Ant.Polar.: | Vertical                                                |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2785.000        | 37.46          | 0.52                  | 37.98           | 74.00          | -36.02      | peak   |
| 2   | 4332.000        | 36.37          | 4.65                  | 41.02           | 74.00          | -32.98      | peak   |
| 3   | 5913.000        | 33.80          | 8.76                  | 42.56           | 74.00          | -31.44      | peak   |

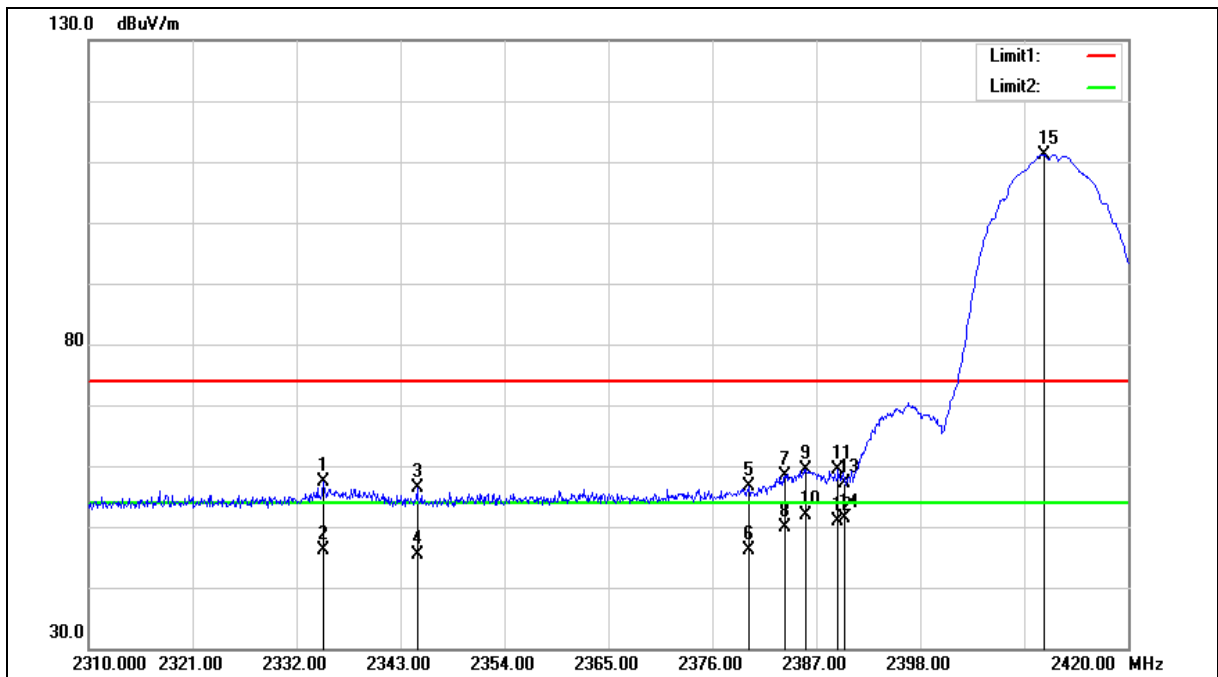
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

## Band Edge

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

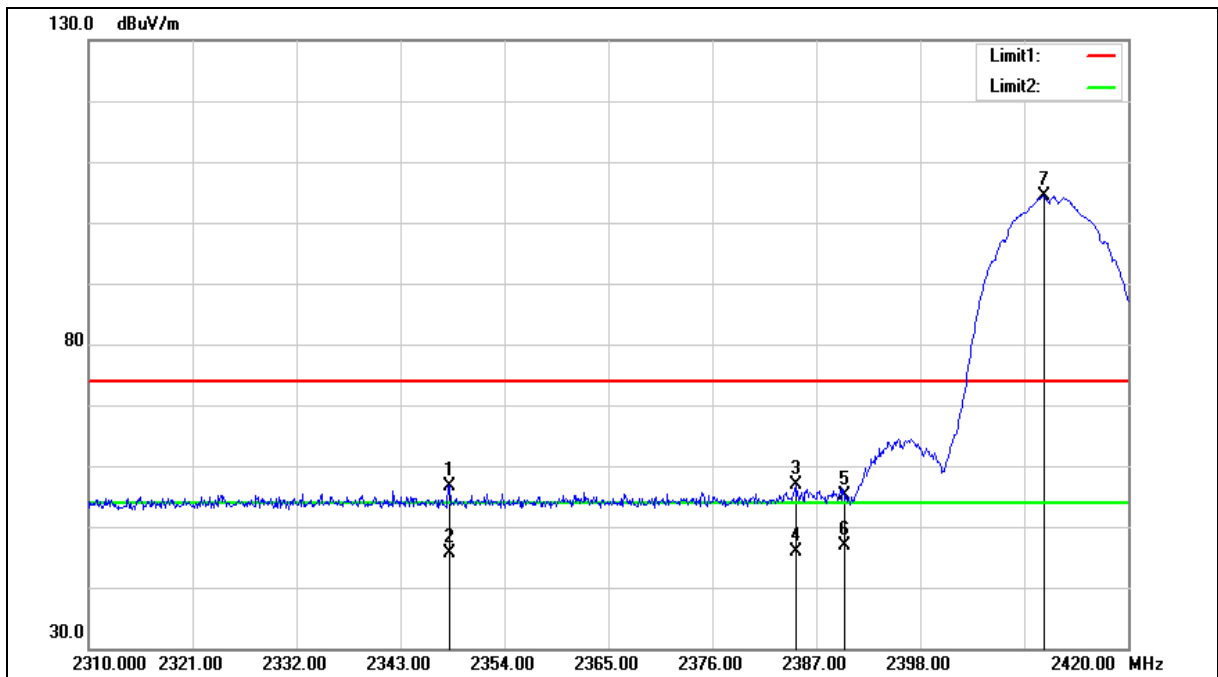
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2334.860           | 58.47             | -1.14                    | 57.33              | 74.00             | -16.67         | peak   |
| 2   | 2334.860           | 47.32             | -1.14                    | 46.18              | 54.00             | -7.82          | AVG    |
| 3   | 2344.760           | 57.45             | -1.10                    | 56.35              | 74.00             | -17.65         | peak   |
| 4   | 2344.760           | 46.60             | -1.10                    | 45.50              | 54.00             | -8.50          | AVG    |
| 5   | 2379.850           | 57.58             | -0.93                    | 56.65              | 74.00             | -17.35         | peak   |
| 6   | 2379.850           | 47.18             | -0.93                    | 46.25              | 54.00             | -7.75          | AVG    |
| 7   | 2383.700           | 59.18             | -0.91                    | 58.27              | 74.00             | -15.73         | peak   |
| 8   | 2383.700           | 50.84             | -0.91                    | 49.93              | 54.00             | -4.07          | AVG    |
| 9   | 2385.900           | 60.30             | -0.90                    | 59.40              | 74.00             | -14.60         | peak   |
| 10  | 2385.900           | 52.72             | -0.90                    | 51.82              | 54.00             | -2.18          | AVG    |
| 11  | 2389.310           | 60.23             | -0.88                    | 59.35              | 74.00             | -14.65         | peak   |
| 12  | 2389.310           | 51.83             | -0.88                    | 50.95              | 54.00             | -3.05          | AVG    |
| 13  | 2390.000           | 58.05             | -0.87                    | 57.18              | 74.00             | -16.82         | peak   |
| 14  | 2390.000           | 52.28             | -0.87                    | 51.41              | 54.00             | -2.59          | AVG    |
| 15  | 2411.090           | 112.01            | -0.76                    | 111.25             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



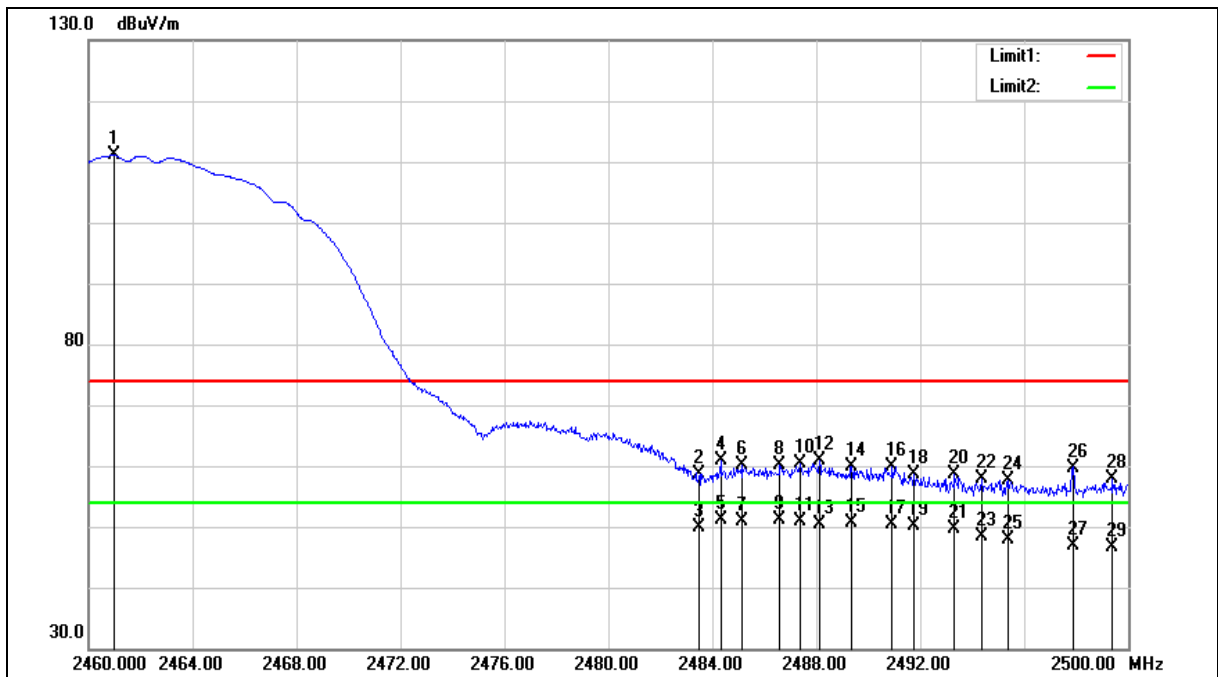
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2348.170        | 57.83          | -1.08                 | 56.75           | 74.00          | -17.25      | peak   |
| 2   | 2348.170        | 46.59          | -1.08                 | 45.51           | 54.00          | -8.49       | AVG    |
| 3   | 2384.800        | 57.66          | -0.90                 | 56.76           | 74.00          | -17.24      | peak   |
| 4   | 2384.800        | 46.66          | -0.90                 | 45.76           | 54.00          | -8.24       | AVG    |
| 5   | 2390.000        | 55.89          | -0.87                 | 55.02           | 74.00          | -18.98      | peak   |
| 6   | 2390.000        | 47.70          | -0.87                 | 46.83           | 54.00          | -7.17       | AVG    |
| 7   | 2411.090        | 105.06         | -0.76                 | 104.30          | --             | --          | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2460.960           | 111.57            | -0.51                    | 111.06             | --                | --             | peak   |
| 2   | 2483.500           | 59.01             | -0.40                    | 58.61              | 74.00             | -15.39         | peak   |
| 3   | 2483.500           | 50.16             | -0.40                    | 49.76              | 54.00             | -4.24          | AVG    |
| 4   | 2484.320           | 61.15             | -0.39                    | 60.76              | 74.00             | -13.24         | peak   |
| 5   | 2484.320           | 51.62             | -0.39                    | 51.23              | 54.00             | -2.77          | AVG    |
| 6   | 2485.160           | 60.62             | -0.39                    | 60.23              | 74.00             | -13.77         | peak   |
| 7   | 2485.160           | 51.36             | -0.39                    | 50.97              | 54.00             | -3.03          | AVG    |
| 8   | 2486.600           | 60.49             | -0.38                    | 60.11              | 74.00             | -13.89         | peak   |
| 9   | 2486.600           | 51.54             | -0.38                    | 51.16              | 54.00             | -2.84          | AVG    |
| 10  | 2487.360           | 60.72             | -0.37                    | 60.35              | 74.00             | -13.65         | peak   |
| 11  | 2487.360           | 51.21             | -0.37                    | 50.84              | 54.00             | -3.16          | AVG    |
| 12  | 2488.120           | 61.33             | -0.37                    | 60.96              | 74.00             | -13.04         | peak   |
| 13  | 2488.120           | 50.74             | -0.37                    | 50.37              | 54.00             | -3.63          | AVG    |
| 14  | 2489.360           | 60.30             | -0.37                    | 59.93              | 74.00             | -14.07         | peak   |
| 15  | 2489.360           | 50.96             | -0.37                    | 50.59              | 54.00             | -3.41          | AVG    |
| 16  | 2490.920           | 60.27             | -0.36                    | 59.91              | 74.00             | -14.09         | peak   |
| 17  | 2490.920           | 50.73             | -0.36                    | 50.37              | 54.00             | -3.63          | AVG    |
| 18  | 2491.760           | 58.88             | -0.35                    | 58.53              | 74.00             | -15.47         | peak   |
| 19  | 2491.760           | 50.57             | -0.35                    | 50.22              | 54.00             | -3.78          | AVG    |
| 20  | 2493.320           | 59.06             | -0.34                    | 58.72              | 74.00             | -15.28         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

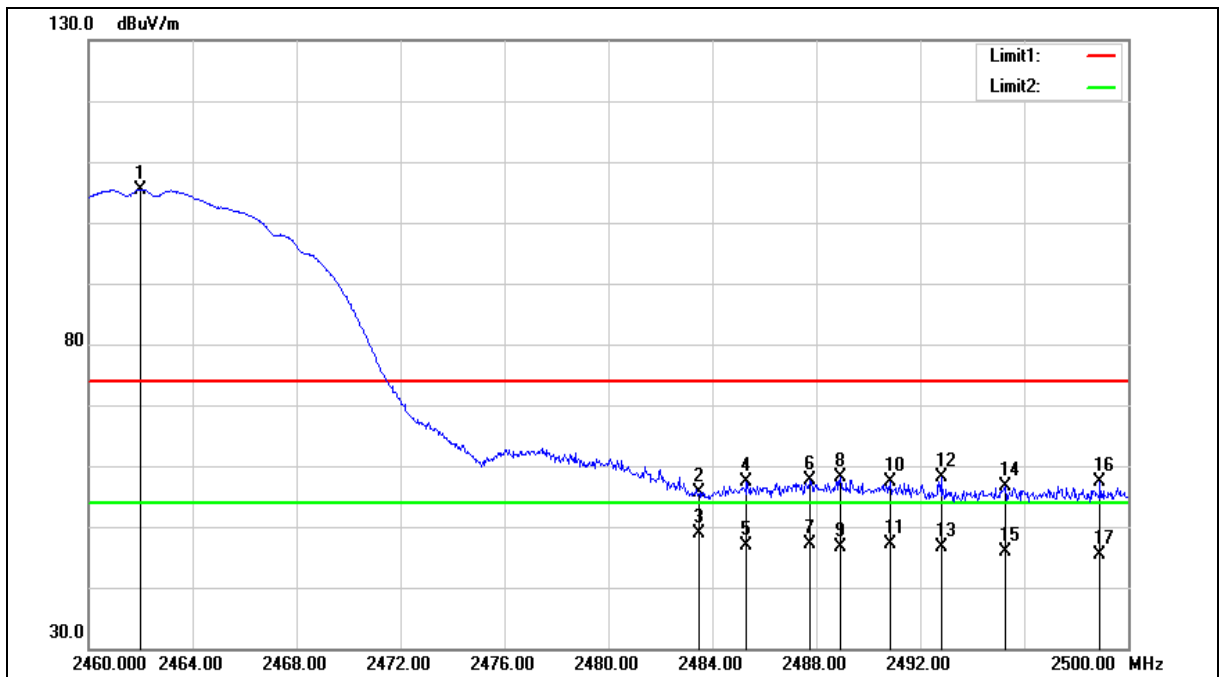
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 21  | 2493.320           | 49.85             | -0.34                    | 49.51              | 54.00             | -4.49          | AVG    |
| 22  | 2494.360           | 58.11             | -0.34                    | 57.77              | 74.00             | -16.23         | peak   |
| 23  | 2494.360           | 48.69             | -0.34                    | 48.35              | 54.00             | -5.65          | AVG    |
| 24  | 2495.360           | 58.03             | -0.34                    | 57.69              | 74.00             | -16.31         | peak   |
| 25  | 2495.360           | 48.14             | -0.34                    | 47.80              | 54.00             | -6.20          | AVG    |
| 26  | 2497.880           | 60.07             | -0.32                    | 59.75              | 74.00             | -14.25         | peak   |
| 27  | 2497.880           | 47.16             | -0.32                    | 46.84              | 54.00             | -7.16          | AVG    |
| 28  | 2499.400           | 58.28             | -0.31                    | 57.97              | 74.00             | -16.03         | peak   |
| 29  | 2499.400           | 46.87             | -0.31                    | 46.56              | 54.00             | -7.44          | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



|             |           |                       |                |
|-------------|-----------|-----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:        | 3m             |
| Test item:  | Band edge | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 2    |                       |                |
| Ant.Polar.: | Vertical  |                       |                |

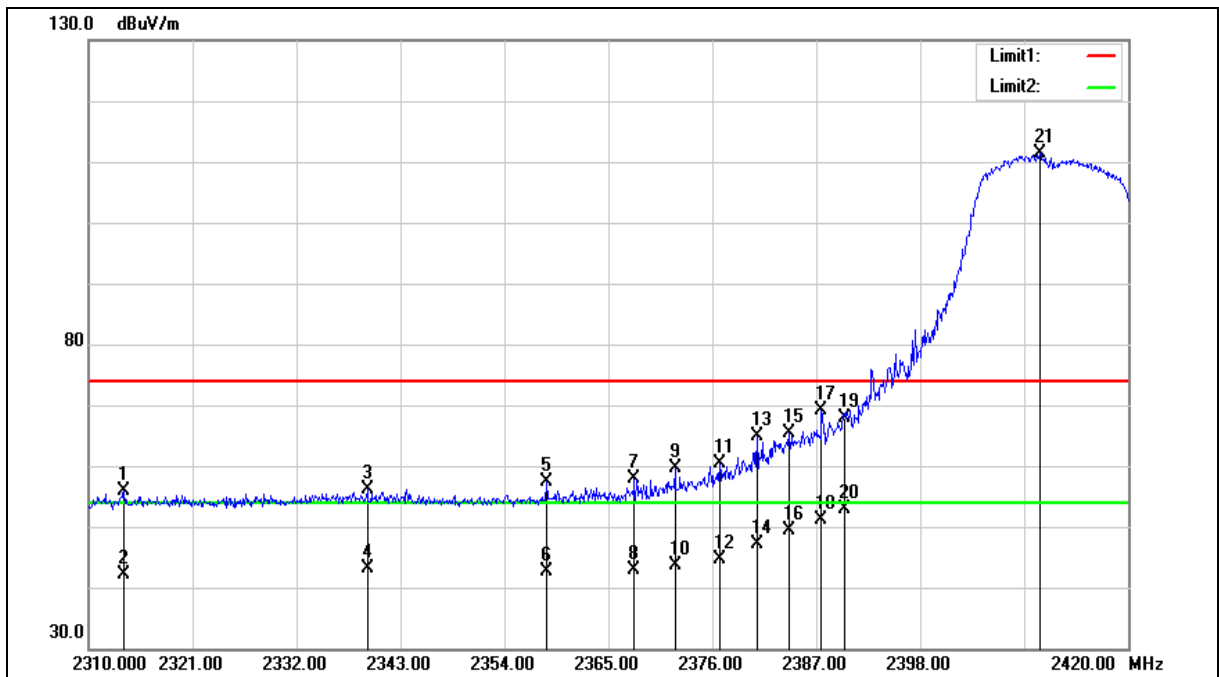
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2462.000           | 105.95            | -0.51                    | 105.44             | --                | --             | peak   |
| 2   | 2483.500           | 55.91             | -0.40                    | 55.51              | 74.00             | -18.49         | peak   |
| 3   | 2483.500           | 49.26             | -0.40                    | 48.86              | 54.00             | -5.14          | AVG    |
| 4   | 2485.320           | 57.66             | -0.39                    | 57.27              | 74.00             | -16.73         | peak   |
| 5   | 2485.320           | 47.17             | -0.39                    | 46.78              | 54.00             | -7.22          | AVG    |
| 6   | 2487.760           | 58.07             | -0.37                    | 57.70              | 74.00             | -16.30         | peak   |
| 7   | 2487.760           | 47.46             | -0.37                    | 47.09              | 54.00             | -6.91          | AVG    |
| 8   | 2488.920           | 58.42             | -0.37                    | 58.05              | 74.00             | -15.95         | peak   |
| 9   | 2488.920           | 46.90             | -0.37                    | 46.53              | 54.00             | -7.47          | AVG    |
| 10  | 2490.840           | 57.68             | -0.36                    | 57.32              | 74.00             | -16.68         | peak   |
| 11  | 2490.840           | 47.37             | -0.36                    | 47.01              | 54.00             | -6.99          | AVG    |
| 12  | 2492.800           | 58.56             | -0.34                    | 58.22              | 74.00             | -15.78         | peak   |
| 13  | 2492.800           | 47.09             | -0.34                    | 46.75              | 54.00             | -7.25          | AVG    |
| 14  | 2495.280           | 57.01             | -0.34                    | 56.67              | 74.00             | -17.33         | peak   |
| 15  | 2495.280           | 46.25             | -0.34                    | 45.91              | 54.00             | -8.09          | AVG    |
| 16  | 2498.920           | 57.80             | -0.31                    | 57.49              | 74.00             | -16.51         | peak   |
| 17  | 2498.920           | 45.68             | -0.31                    | 45.37              | 54.00             | -8.63          | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

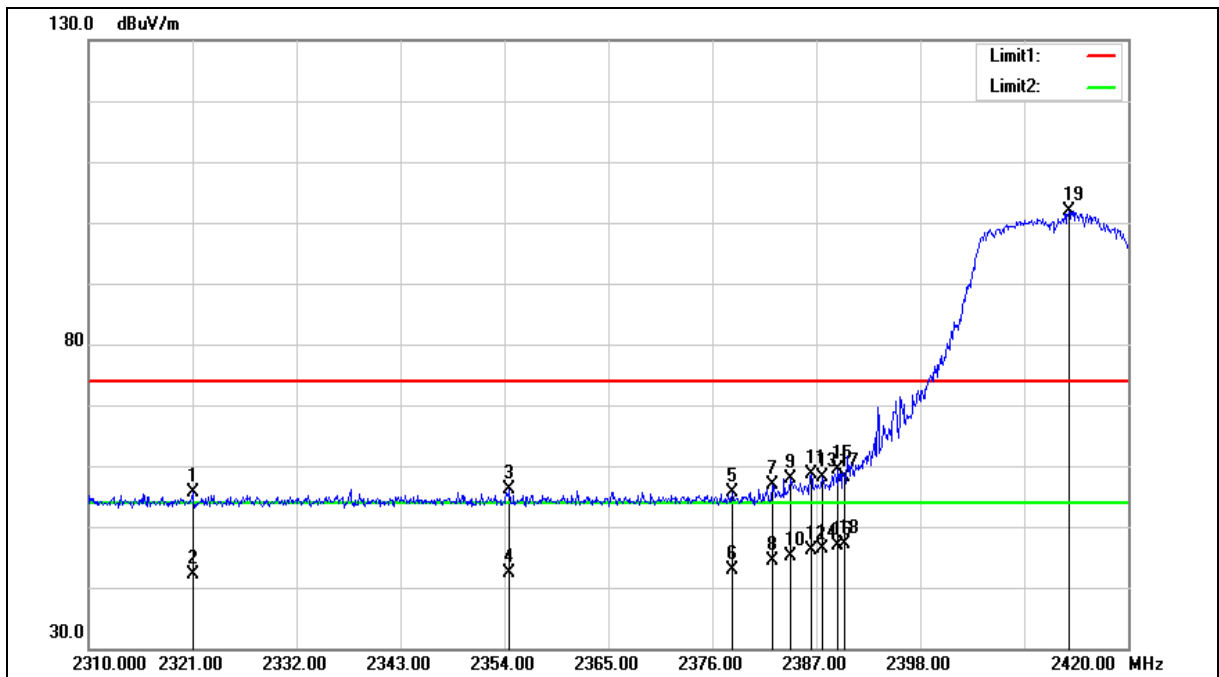
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2313.740           | 57.02             | -1.25                    | 55.77              | 74.00             | -18.23         | peak   |
| 2   | 2313.740           | 43.40             | -1.25                    | 42.15              | 54.00             | -11.85         | AVG    |
| 3   | 2339.480           | 57.16             | -1.13                    | 56.03              | 74.00             | -17.97         | peak   |
| 4   | 2339.480           | 44.21             | -1.13                    | 43.08              | 54.00             | -10.92         | AVG    |
| 5   | 2358.510           | 58.51             | -1.03                    | 57.48              | 74.00             | -16.52         | peak   |
| 6   | 2358.510           | 43.70             | -1.03                    | 42.67              | 54.00             | -11.33         | AVG    |
| 7   | 2367.750           | 58.97             | -0.99                    | 57.98              | 74.00             | -16.02         | peak   |
| 8   | 2367.750           | 43.91             | -0.99                    | 42.92              | 54.00             | -11.08         | AVG    |
| 9   | 2372.040           | 60.52             | -0.97                    | 59.55              | 74.00             | -14.45         | peak   |
| 10  | 2372.040           | 44.57             | -0.97                    | 43.60              | 54.00             | -10.40         | AVG    |
| 11  | 2376.770           | 61.36             | -0.94                    | 60.42              | 74.00             | -13.58         | peak   |
| 12  | 2376.770           | 45.51             | -0.94                    | 44.57              | 54.00             | -9.43          | AVG    |
| 13  | 2380.730           | 65.85             | -0.93                    | 64.92              | 74.00             | -9.08          | peak   |
| 14  | 2380.730           | 48.00             | -0.93                    | 47.07              | 54.00             | -6.93          | AVG    |
| 15  | 2384.140           | 66.17             | -0.90                    | 65.27              | 74.00             | -8.73          | peak   |
| 16  | 2384.140           | 50.23             | -0.90                    | 49.33              | 54.00             | -4.67          | AVG    |
| 17  | 2387.550           | 70.05             | -0.88                    | 69.17              | 74.00             | -4.83          | peak   |
| 18  | 2387.550           | 51.98             | -0.88                    | 51.10              | 54.00             | -2.90          | AVG    |
| 19  | 2390.000           | 68.75             | -0.87                    | 67.88              | 74.00             | -6.12          | peak   |
| 20  | 2390.000           | 53.70             | -0.87                    | 52.83              | 54.00             | -1.17          | AVG    |
| 21  | 2410.650           | 112.12            | -0.76                    | 111.36             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



|             |           |                       |                |
|-------------|-----------|-----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:        | 3m             |
| Test item:  | Band edge | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2412MHz   | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3    |                       |                |
| Ant.Polar.: | Vertical  |                       |                |

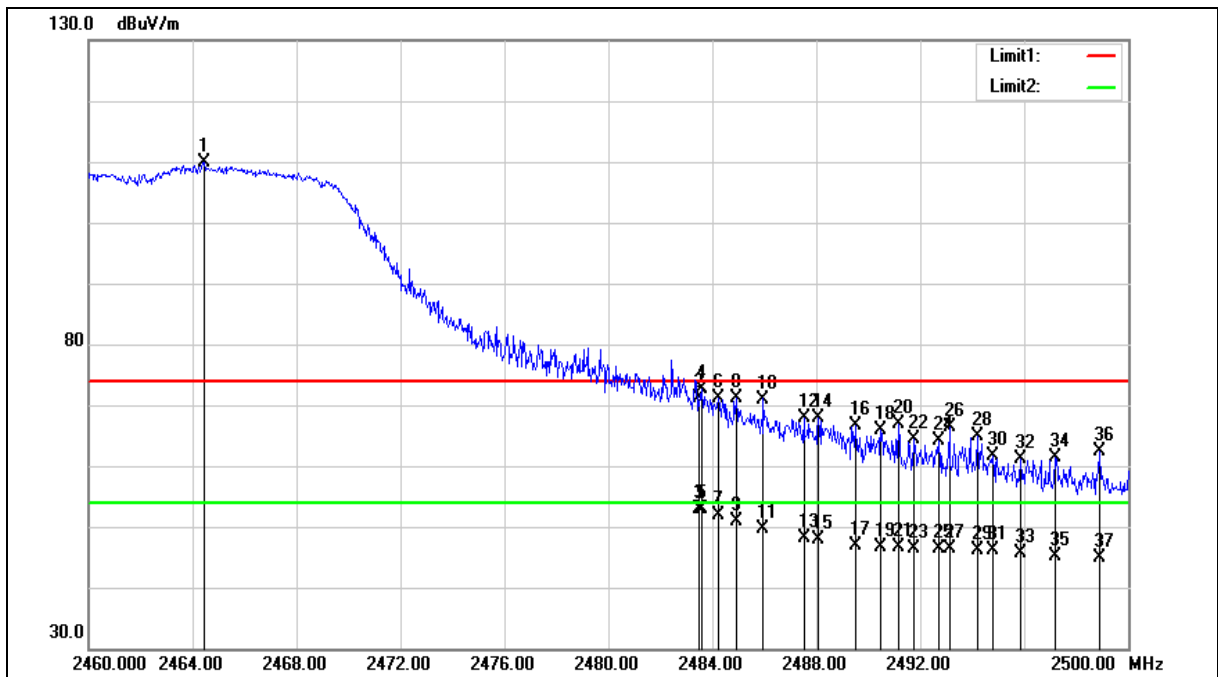
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2321.000           | 56.89             | -1.22                    | 55.67              | 74.00             | -18.33         | peak   |
| 2   | 2321.000           | 43.44             | -1.22                    | 42.22              | 54.00             | -11.78         | AVG    |
| 3   | 2354.550           | 57.10             | -1.04                    | 56.06              | 74.00             | -17.94         | peak   |
| 4   | 2354.550           | 43.35             | -1.04                    | 42.31              | 54.00             | -11.69         | AVG    |
| 5   | 2378.090           | 56.59             | -0.93                    | 55.66              | 74.00             | -18.34         | peak   |
| 6   | 2378.090           | 43.83             | -0.93                    | 42.90              | 54.00             | -11.10         | AVG    |
| 7   | 2382.380           | 57.90             | -0.91                    | 56.99              | 74.00             | -17.01         | peak   |
| 8   | 2382.380           | 45.20             | -0.91                    | 44.29              | 54.00             | -9.71          | AVG    |
| 9   | 2384.250           | 58.70             | -0.90                    | 57.80              | 74.00             | -16.20         | peak   |
| 10  | 2384.250           | 46.15             | -0.90                    | 45.25              | 54.00             | -8.75          | AVG    |
| 11  | 2386.450           | 59.43             | -0.90                    | 58.53              | 74.00             | -15.47         | peak   |
| 12  | 2386.450           | 47.04             | -0.90                    | 46.14              | 54.00             | -7.86          | AVG    |
| 13  | 2387.660           | 58.93             | -0.88                    | 58.05              | 74.00             | -15.95         | peak   |
| 14  | 2387.660           | 47.19             | -0.88                    | 46.31              | 54.00             | -7.69          | AVG    |
| 15  | 2389.310           | 60.19             | -0.88                    | 59.31              | 74.00             | -14.69         | peak   |
| 16  | 2389.310           | 47.74             | -0.88                    | 46.86              | 54.00             | -7.14          | AVG    |
| 17  | 2390.000           | 59.05             | -0.87                    | 58.18              | 74.00             | -15.82         | peak   |
| 18  | 2390.000           | 47.99             | -0.87                    | 47.12              | 54.00             | -6.88          | AVG    |
| 19  | 2413.730           | 102.62            | -0.75                    | 101.87             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2464.440           | 110.39            | -0.49                    | 109.90             | --                | --             | peak   |
| 2   | 2483.500           | 71.64             | -0.40                    | 71.24              | 74.00             | -2.76          | peak   |
| 3   | 2483.500           | 53.30             | -0.40                    | 52.90              | 54.00             | -1.10          | AVG    |
| 4   | 2483.600           | 73.09             | -0.40                    | 72.69              | 74.00             | -1.31          | peak   |
| 5   | 2483.600           | 53.25             | -0.40                    | 52.85              | 54.00             | -1.15          | AVG    |
| 6   | 2484.240           | 71.50             | -0.39                    | 71.11              | 74.00             | -2.89          | peak   |
| 7   | 2484.240           | 52.27             | -0.39                    | 51.88              | 54.00             | -2.12          | AVG    |
| 8   | 2484.920           | 71.62             | -0.39                    | 71.23              | 74.00             | -2.77          | peak   |
| 9   | 2484.920           | 51.23             | -0.39                    | 50.84              | 54.00             | -3.16          | AVG    |
| 10  | 2485.960           | 71.38             | -0.38                    | 71.00              | 74.00             | -3.00          | peak   |
| 11  | 2485.960           | 49.91             | -0.38                    | 49.53              | 54.00             | -4.47          | AVG    |
| 12  | 2487.520           | 68.30             | -0.37                    | 67.93              | 74.00             | -6.07          | peak   |
| 13  | 2487.520           | 48.49             | -0.37                    | 48.12              | 54.00             | -5.88          | AVG    |
| 14  | 2488.080           | 68.17             | -0.37                    | 67.80              | 74.00             | -6.20          | peak   |
| 15  | 2488.080           | 48.19             | -0.37                    | 47.82              | 54.00             | -6.18          | AVG    |
| 16  | 2489.520           | 66.90             | -0.37                    | 66.53              | 74.00             | -7.47          | peak   |
| 17  | 2489.520           | 47.26             | -0.37                    | 46.89              | 54.00             | -7.11          | AVG    |
| 18  | 2490.480           | 66.30             | -0.36                    | 65.94              | 74.00             | -8.06          | peak   |
| 19  | 2490.480           | 47.01             | -0.36                    | 46.65              | 54.00             | -7.35          | AVG    |
| 20  | 2491.160           | 67.15             | -0.36                    | 66.79              | 74.00             | -7.21          | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                       |                |
|-------------|------------|-----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:        | 3m             |
| Test item:  | Band edge  | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3     |                       |                |
| Ant.Polar.: | Horizontal |                       |                |

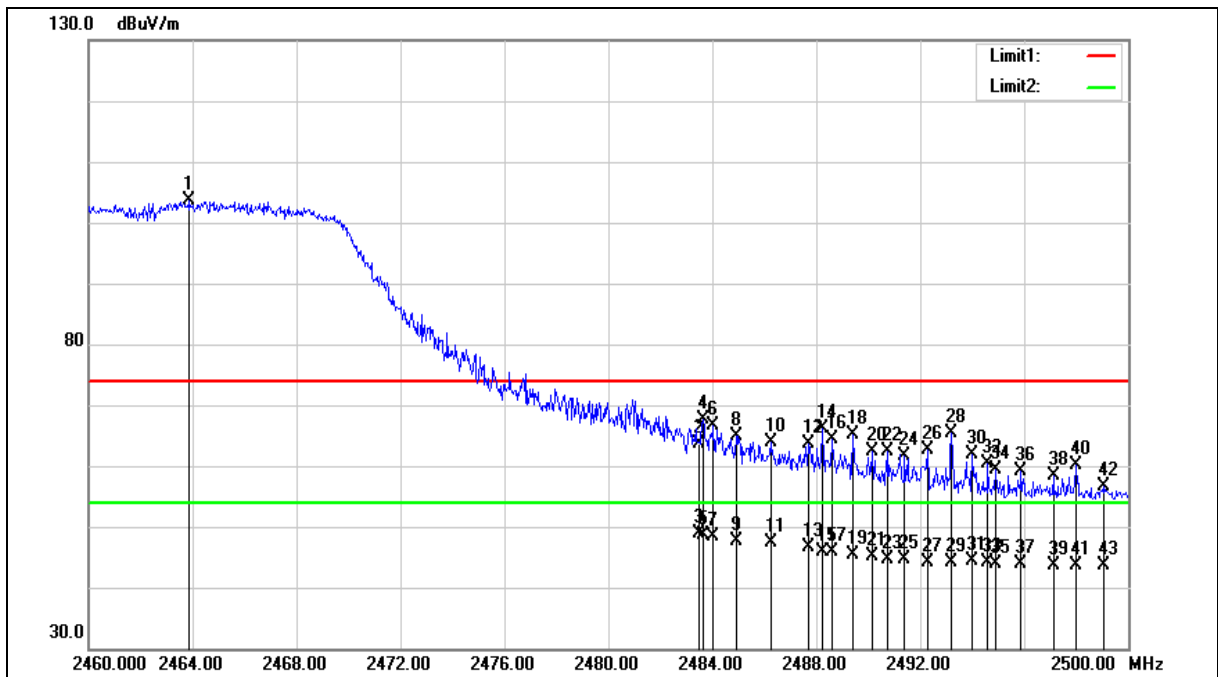
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 21  | 2491.160           | 47.02             | -0.36                    | 46.66              | 54.00             | -7.34          | AVG    |
| 22  | 2491.760           | 64.67             | -0.35                    | 64.32              | 74.00             | -9.68          | peak   |
| 23  | 2491.760           | 46.83             | -0.35                    | 46.48              | 54.00             | -7.52          | AVG    |
| 24  | 2492.720           | 64.57             | -0.34                    | 64.23              | 74.00             | -9.77          | peak   |
| 25  | 2492.720           | 46.83             | -0.34                    | 46.49              | 54.00             | -7.51          | AVG    |
| 26  | 2493.120           | 66.65             | -0.34                    | 66.31              | 74.00             | -7.69          | peak   |
| 27  | 2493.120           | 46.63             | -0.34                    | 46.29              | 54.00             | -7.71          | AVG    |
| 28  | 2494.200           | 65.27             | -0.34                    | 64.93              | 74.00             | -9.07          | peak   |
| 29  | 2494.200           | 46.43             | -0.34                    | 46.09              | 54.00             | -7.91          | AVG    |
| 30  | 2494.800           | 61.90             | -0.34                    | 61.56              | 74.00             | -12.44         | peak   |
| 31  | 2494.800           | 46.44             | -0.34                    | 46.10              | 54.00             | -7.90          | AVG    |
| 32  | 2495.880           | 61.34             | -0.33                    | 61.01              | 74.00             | -12.99         | peak   |
| 33  | 2495.880           | 45.97             | -0.33                    | 45.64              | 54.00             | -8.36          | AVG    |
| 34  | 2497.200           | 61.66             | -0.32                    | 61.34              | 74.00             | -12.66         | peak   |
| 35  | 2497.200           | 45.46             | -0.32                    | 45.14              | 54.00             | -8.86          | AVG    |
| 36  | 2498.920           | 62.69             | -0.31                    | 62.38              | 74.00             | -11.62         | peak   |
| 37  | 2498.920           | 45.14             | -0.31                    | 44.83              | 54.00             | -9.17          | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2463.880        | 104.00         | -0.49                 | 103.51          | --             | --          | peak   |
| 2   | 2483.500        | 64.10          | -0.40                 | 63.70           | 74.00          | -10.30      | peak   |
| 3   | 2483.500        | 49.17          | -0.40                 | 48.77           | 54.00          | -5.23       | AVG    |
| 4   | 2483.640        | 68.06          | -0.40                 | 67.66           | 74.00          | -6.34       | peak   |
| 5   | 2483.640        | 49.15          | -0.40                 | 48.75           | 54.00          | -5.25       | AVG    |
| 6   | 2484.040        | 67.03          | -0.39                 | 66.64           | 74.00          | -7.36       | peak   |
| 7   | 2484.040        | 48.74          | -0.39                 | 48.35           | 54.00          | -5.65       | AVG    |
| 8   | 2484.920        | 65.32          | -0.39                 | 64.93           | 74.00          | -9.07       | peak   |
| 9   | 2484.920        | 47.98          | -0.39                 | 47.59           | 54.00          | -6.41       | AVG    |
| 10  | 2486.240        | 64.26          | -0.38                 | 63.88           | 74.00          | -10.12      | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                       |                |
|-------------|-----------|-----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:        | 3m             |
| Test item:  | Band edge | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3    |                       |                |
| Ant.Polar.: | Vertical  |                       |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 11  | 2486.240           | 47.66             | -0.38                    | 47.28              | 54.00             | -6.72          | AVG    |
| 12  | 2487.680           | 63.90             | -0.37                    | 63.53              | 74.00             | -10.47         | peak   |
| 13  | 2487.680           | 46.91             | -0.37                    | 46.54              | 54.00             | -7.46          | AVG    |
| 14  | 2488.240           | 66.44             | -0.37                    | 66.07              | 74.00             | -7.93          | peak   |
| 15  | 2488.240           | 46.29             | -0.37                    | 45.92              | 54.00             | -8.08          | AVG    |
| 16  | 2488.600           | 64.78             | -0.37                    | 64.41              | 74.00             | -9.59          | peak   |
| 17  | 2488.600           | 46.37             | -0.37                    | 46.00              | 54.00             | -8.00          | AVG    |
| 18  | 2489.400           | 65.40             | -0.37                    | 65.03              | 74.00             | -8.97          | peak   |
| 19  | 2489.400           | 45.70             | -0.37                    | 45.33              | 54.00             | -8.67          | AVG    |
| 20  | 2490.160           | 62.62             | -0.36                    | 62.26              | 74.00             | -11.74         | peak   |
| 21  | 2490.160           | 45.49             | -0.36                    | 45.13              | 54.00             | -8.87          | AVG    |
| 22  | 2490.760           | 62.74             | -0.36                    | 62.38              | 74.00             | -11.62         | peak   |
| 23  | 2490.760           | 45.04             | -0.36                    | 44.68              | 54.00             | -9.32          | AVG    |
| 24  | 2491.400           | 61.91             | -0.35                    | 61.56              | 74.00             | -12.44         | peak   |
| 25  | 2491.400           | 44.94             | -0.35                    | 44.59              | 54.00             | -9.41          | AVG    |
| 26  | 2492.280           | 63.03             | -0.35                    | 62.68              | 74.00             | -11.32         | peak   |
| 27  | 2492.280           | 44.53             | -0.35                    | 44.18              | 54.00             | -9.82          | AVG    |
| 28  | 2493.200           | 65.77             | -0.34                    | 65.43              | 74.00             | -8.57          | peak   |
| 29  | 2493.200           | 44.53             | -0.34                    | 44.19              | 54.00             | -9.81          | AVG    |
| 30  | 2494.000           | 62.31             | -0.34                    | 61.97              | 74.00             | -12.03         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 3    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |

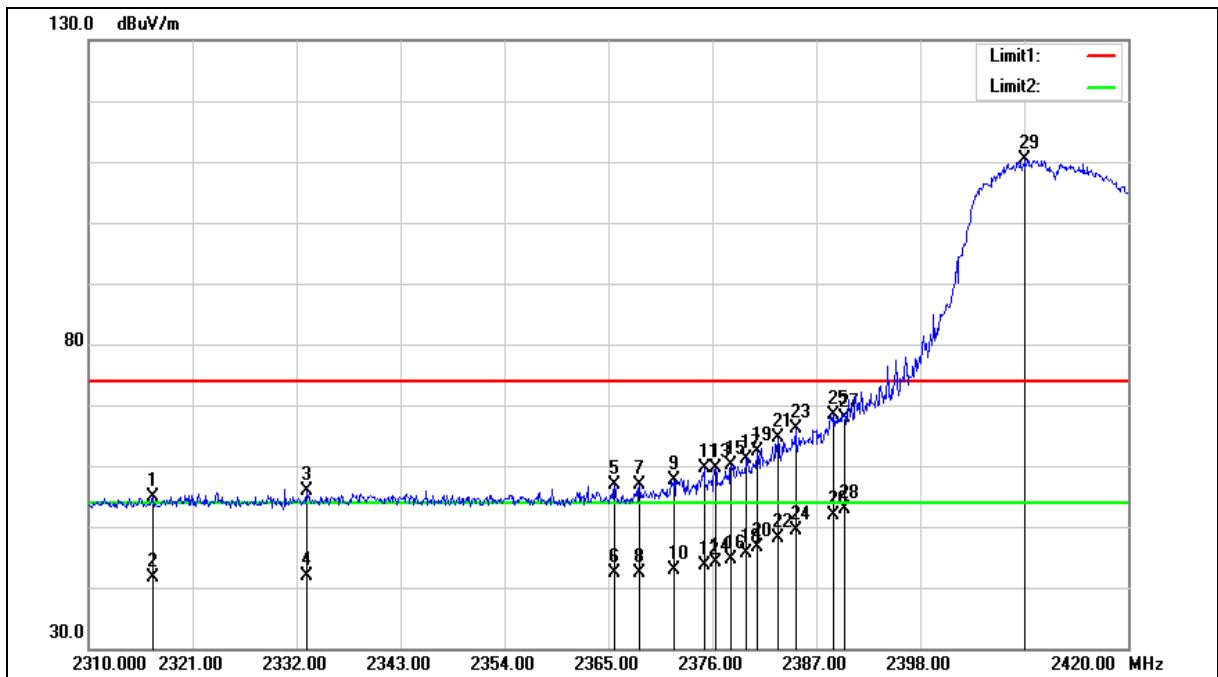
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 31  | 2494.000           | 44.66             | -0.34                    | 44.32              | 54.00             | -9.68          | AVG    |
| 32  | 2494.600           | 60.83             | -0.34                    | 60.49              | 74.00             | -13.51         | peak   |
| 33  | 2494.600           | 44.45             | -0.34                    | 44.11              | 54.00             | -9.89          | AVG    |
| 34  | 2494.880           | 59.76             | -0.34                    | 59.42              | 74.00             | -14.58         | peak   |
| 35  | 2494.880           | 44.33             | -0.34                    | 43.99              | 54.00             | -10.01         | AVG    |
| 36  | 2495.880           | 59.48             | -0.33                    | 59.15              | 74.00             | -14.85         | peak   |
| 37  | 2495.880           | 44.11             | -0.33                    | 43.78              | 54.00             | -10.22         | AVG    |
| 38  | 2497.120           | 58.62             | -0.32                    | 58.30              | 74.00             | -15.70         | peak   |
| 39  | 2497.120           | 43.96             | -0.32                    | 43.64              | 54.00             | -10.36         | AVG    |
| 40  | 2498.000           | 60.55             | -0.32                    | 60.23              | 74.00             | -13.77         | peak   |
| 41  | 2498.000           | 43.90             | -0.32                    | 43.58              | 54.00             | -10.42         | AVG    |
| 42  | 2499.080           | 56.89             | -0.31                    | 56.58              | 74.00             | -17.42         | peak   |
| 43  | 2499.080           | 43.89             | -0.31                    | 43.58              | 54.00             | -10.42         | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2316.820        | 56.04          | -1.24                 | 54.80           | 74.00          | -19.20      | peak   |
| 2   | 2316.820        | 42.80          | -1.24                 | 41.56           | 54.00          | -12.44      | AVG    |
| 3   | 2333.100        | 56.92          | -1.16                 | 55.76           | 74.00          | -18.24      | peak   |
| 4   | 2333.100        | 43.14          | -1.16                 | 41.98           | 54.00          | -12.02      | AVG    |
| 5   | 2365.660        | 57.99          | -1.00                 | 56.99           | 74.00          | -17.01      | peak   |
| 6   | 2365.660        | 43.31          | -1.00                 | 42.31           | 54.00          | -11.69      | AVG    |
| 7   | 2368.300        | 57.80          | -0.99                 | 56.81           | 74.00          | -17.19      | peak   |
| 8   | 2368.300        | 43.32          | -0.99                 | 42.33           | 54.00          | -11.67      | AVG    |
| 9   | 2371.930        | 58.48          | -0.97                 | 57.51           | 74.00          | -16.49      | peak   |
| 10  | 2371.930        | 43.88          | -0.97                 | 42.91           | 54.00          | -11.09      | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

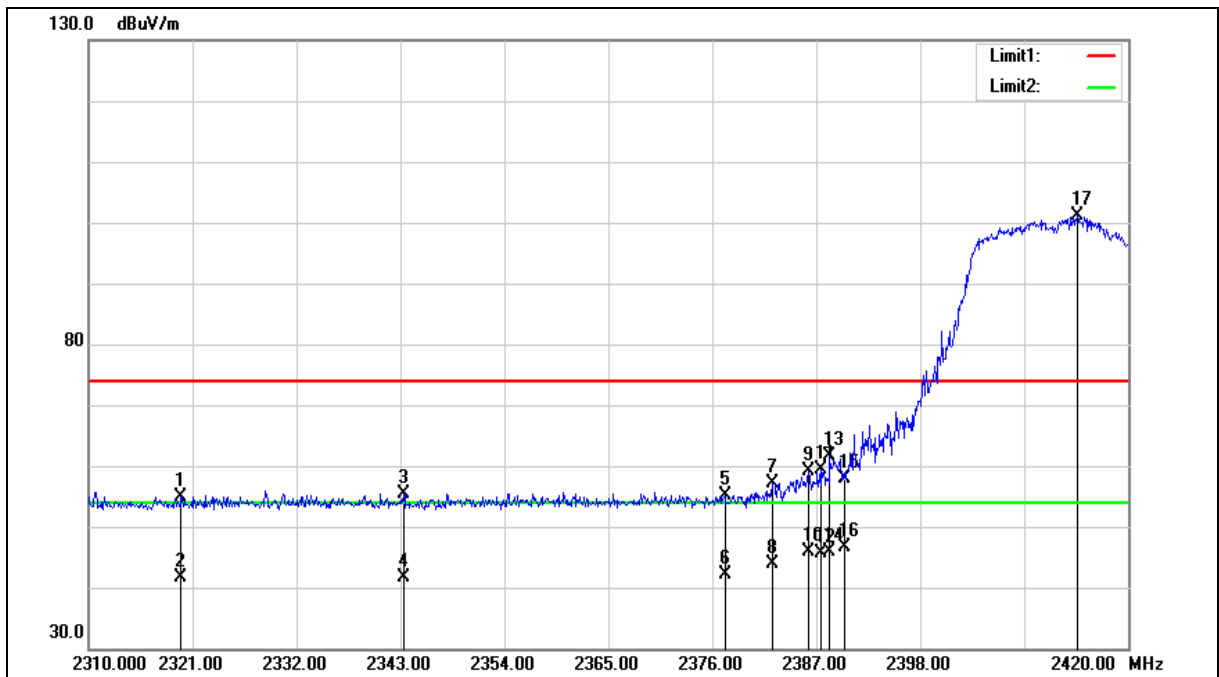
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 11  | 2375.120           | 60.46             | -0.94                    | 59.52              | 74.00             | -14.48         | peak   |
| 12  | 2375.120           | 44.58             | -0.94                    | 43.64              | 54.00             | -10.36         | AVG    |
| 13  | 2376.330           | 60.68             | -0.94                    | 59.74              | 74.00             | -14.26         | peak   |
| 14  | 2376.330           | 44.96             | -0.94                    | 44.02              | 54.00             | -9.98          | AVG    |
| 15  | 2377.980           | 61.09             | -0.93                    | 60.16              | 74.00             | -13.84         | peak   |
| 16  | 2377.980           | 45.67             | -0.93                    | 44.74              | 54.00             | -9.26          | AVG    |
| 17  | 2379.630           | 62.18             | -0.93                    | 61.25              | 74.00             | -12.75         | peak   |
| 18  | 2379.630           | 46.66             | -0.93                    | 45.73              | 54.00             | -8.27          | AVG    |
| 19  | 2380.730           | 63.38             | -0.93                    | 62.45              | 74.00             | -11.55         | peak   |
| 20  | 2380.730           | 47.45             | -0.93                    | 46.52              | 54.00             | -7.48          | AVG    |
| 21  | 2382.930           | 65.60             | -0.91                    | 64.69              | 74.00             | -9.31          | peak   |
| 22  | 2382.930           | 49.15             | -0.91                    | 48.24              | 54.00             | -5.76          | AVG    |
| 23  | 2384.800           | 66.99             | -0.90                    | 66.09              | 74.00             | -7.91          | peak   |
| 24  | 2384.800           | 50.40             | -0.90                    | 49.50              | 54.00             | -4.50          | AVG    |
| 25  | 2388.870           | 69.29             | -0.88                    | 68.41              | 74.00             | -5.59          | peak   |
| 26  | 2388.870           | 52.86             | -0.88                    | 51.98              | 54.00             | -2.02          | AVG    |
| 27  | 2390.000           | 68.80             | -0.87                    | 67.93              | 74.00             | -6.07          | peak   |
| 28  | 2390.000           | 53.63             | -0.87                    | 52.76              | 54.00             | -1.24          | AVG    |
| 29  | 2409.110           | 111.05            | -0.78                    | 110.27             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2412MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



|             |           |                       |                |
|-------------|-----------|-----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:        | 3m             |
| Test item:  | Band edge | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2412MHz   | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4    |                       |                |
| Ant.Polar.: | Vertical  |                       |                |

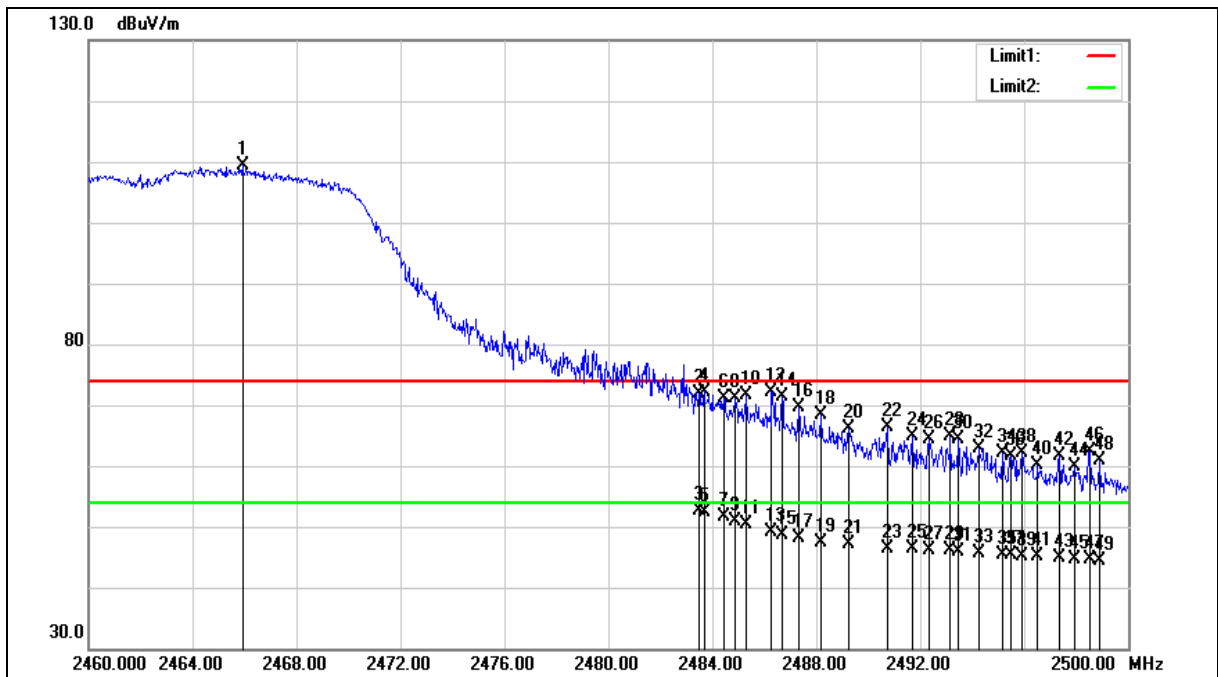
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2319.790           | 56.11             | -1.22                    | 54.89              | 74.00             | -19.11         | peak   |
| 2   | 2319.790           | 42.75             | -1.22                    | 41.53              | 54.00             | -12.47         | AVG    |
| 3   | 2343.330           | 56.57             | -1.10                    | 55.47              | 74.00             | -18.53         | peak   |
| 4   | 2343.330           | 42.80             | -1.10                    | 41.70              | 54.00             | -12.30         | AVG    |
| 5   | 2377.320           | 56.15             | -0.94                    | 55.21              | 74.00             | -18.79         | peak   |
| 6   | 2377.320           | 43.04             | -0.94                    | 42.10              | 54.00             | -11.90         | AVG    |
| 7   | 2382.380           | 57.97             | -0.91                    | 57.06              | 74.00             | -16.94         | peak   |
| 8   | 2382.380           | 44.72             | -0.91                    | 43.81              | 54.00             | -10.19         | AVG    |
| 9   | 2386.230           | 59.99             | -0.90                    | 59.09              | 74.00             | -14.91         | peak   |
| 10  | 2386.230           | 46.75             | -0.90                    | 45.85              | 54.00             | -8.15          | AVG    |
| 11  | 2387.440           | 60.15             | -0.88                    | 59.27              | 74.00             | -14.73         | peak   |
| 12  | 2387.440           | 46.58             | -0.88                    | 45.70              | 54.00             | -8.30          | AVG    |
| 13  | 2388.430           | 62.41             | -0.88                    | 61.53              | 74.00             | -12.47         | peak   |
| 14  | 2388.430           | 46.86             | -0.88                    | 45.98              | 54.00             | -8.02          | AVG    |
| 15  | 2390.000           | 58.71             | -0.87                    | 57.84              | 74.00             | -16.16         | peak   |
| 16  | 2390.000           | 47.56             | -0.87                    | 46.69              | 54.00             | -7.31          | AVG    |
| 17  | 2414.610           | 101.90            | -0.75                    | 101.15             | --                | --             | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2465.920        | 109.75         | -0.49                 | 109.26          | --             | --          | peak   |
| 2   | 2483.500        | 72.18          | -0.40                 | 71.78           | 74.00          | -2.22       | peak   |
| 3   | 2483.500        | 53.13          | -0.40                 | 52.73           | 54.00          | -1.27       | AVG    |
| 4   | 2483.680        | 72.65          | -0.40                 | 72.25           | 74.00          | -1.75       | peak   |
| 5   | 2483.680        | 52.88          | -0.40                 | 52.48           | 54.00          | -1.52       | AVG    |
| 6   | 2484.440        | 71.50          | -0.39                 | 71.11           | 74.00          | -2.89       | peak   |
| 7   | 2484.440        | 51.90          | -0.39                 | 51.51           | 54.00          | -2.49       | AVG    |
| 8   | 2484.880        | 71.47          | -0.39                 | 71.08           | 74.00          | -2.92       | peak   |
| 9   | 2484.880        | 51.30          | -0.39                 | 50.91           | 54.00          | -3.09       | AVG    |
| 10  | 2485.320        | 71.97          | -0.39                 | 71.58           | 74.00          | -2.42       | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                      |                |
|-------------|------------|----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:       | 3m             |
| Test item:  | Band edge  | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                      |                |
| Ant.Polar.: | Horizontal |                      |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 11  | 2485.320           | 50.72             | -0.39                    | 50.33              | 54.00             | -3.67          | AVG    |
| 12  | 2486.280           | 72.51             | -0.38                    | 72.13              | 74.00             | -1.87          | peak   |
| 13  | 2486.280           | 49.55             | -0.38                    | 49.17              | 54.00             | -4.83          | AVG    |
| 14  | 2486.680           | 71.66             | -0.38                    | 71.28              | 74.00             | -2.72          | peak   |
| 15  | 2486.680           | 49.10             | -0.38                    | 48.72              | 54.00             | -5.28          | AVG    |
| 16  | 2487.320           | 69.89             | -0.37                    | 69.52              | 74.00             | -4.48          | peak   |
| 17  | 2487.320           | 48.49             | -0.37                    | 48.12              | 54.00             | -5.88          | AVG    |
| 18  | 2488.160           | 68.84             | -0.37                    | 68.47              | 74.00             | -5.53          | peak   |
| 19  | 2488.160           | 47.83             | -0.37                    | 47.46              | 54.00             | -6.54          | AVG    |
| 20  | 2489.240           | 66.41             | -0.37                    | 66.04              | 74.00             | -7.96          | peak   |
| 21  | 2489.240           | 47.48             | -0.37                    | 47.11              | 54.00             | -6.89          | AVG    |
| 22  | 2490.720           | 66.85             | -0.36                    | 66.49              | 74.00             | -7.51          | peak   |
| 23  | 2490.720           | 46.81             | -0.36                    | 46.45              | 54.00             | -7.55          | AVG    |
| 24  | 2491.720           | 65.11             | -0.35                    | 64.76              | 74.00             | -9.24          | peak   |
| 25  | 2491.720           | 46.61             | -0.35                    | 46.26              | 54.00             | -7.74          | AVG    |
| 26  | 2492.360           | 64.82             | -0.35                    | 64.47              | 74.00             | -9.53          | peak   |
| 27  | 2492.360           | 46.52             | -0.35                    | 46.17              | 54.00             | -7.83          | AVG    |
| 28  | 2493.160           | 65.14             | -0.34                    | 64.80              | 74.00             | -9.20          | peak   |
| 29  | 2493.160           | 46.35             | -0.34                    | 46.01              | 54.00             | -7.99          | AVG    |
| 30  | 2493.480           | 64.71             | -0.34                    | 64.37              | 74.00             | -9.63          | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |            |                       |                |
|-------------|------------|-----------------------|----------------|
| Standard:   | RSS-247    | Test Distance:        | 3m             |
| Test item:  | Band edge  | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2462MHz    | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4     |                       |                |
| Ant.Polar.: | Horizontal |                       |                |

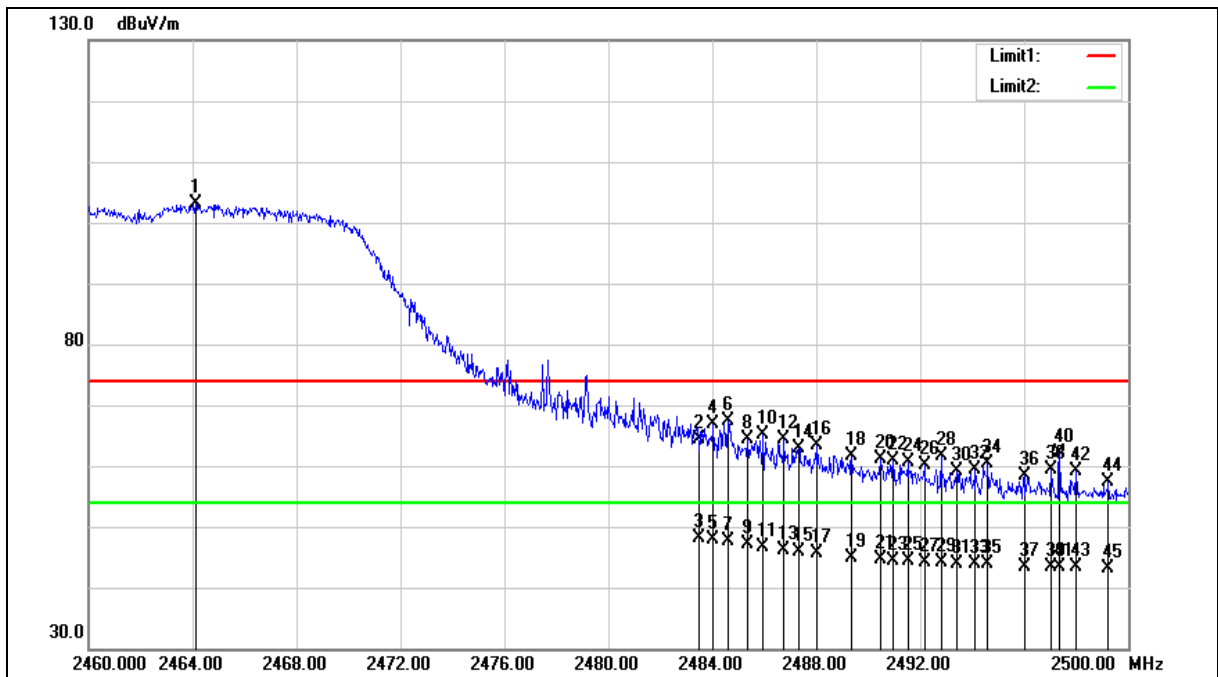
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 31  | 2493.480           | 46.28             | -0.34                    | 45.94              | 54.00             | -8.06          | AVG    |
| 32  | 2494.240           | 63.16             | -0.34                    | 62.82              | 74.00             | -11.18         | peak   |
| 33  | 2494.240           | 46.06             | -0.34                    | 45.72              | 54.00             | -8.28          | AVG    |
| 34  | 2495.160           | 62.39             | -0.34                    | 62.05              | 74.00             | -11.95         | peak   |
| 35  | 2495.160           | 45.81             | -0.34                    | 45.47              | 54.00             | -8.53          | AVG    |
| 36  | 2495.480           | 62.01             | -0.34                    | 61.67              | 74.00             | -12.33         | peak   |
| 37  | 2495.480           | 45.66             | -0.34                    | 45.32              | 54.00             | -8.68          | AVG    |
| 38  | 2495.920           | 62.51             | -0.33                    | 62.18              | 74.00             | -11.82         | peak   |
| 39  | 2495.920           | 45.54             | -0.33                    | 45.21              | 54.00             | -8.79          | AVG    |
| 40  | 2496.520           | 60.44             | -0.33                    | 60.11              | 74.00             | -13.89         | peak   |
| 41  | 2496.520           | 45.38             | -0.33                    | 45.05              | 54.00             | -8.95          | AVG    |
| 42  | 2497.360           | 61.84             | -0.32                    | 61.52              | 74.00             | -12.48         | peak   |
| 43  | 2497.360           | 45.15             | -0.32                    | 44.83              | 54.00             | -9.17          | AVG    |
| 44  | 2497.960           | 60.10             | -0.32                    | 59.78              | 74.00             | -14.22         | peak   |
| 45  | 2497.960           | 45.02             | -0.32                    | 44.70              | 54.00             | -9.30          | AVG    |
| 46  | 2498.520           | 62.70             | -0.32                    | 62.38              | 74.00             | -11.62         | peak   |
| 47  | 2498.520           | 44.88             | -0.32                    | 44.56              | 54.00             | -9.44          | AVG    |
| 48  | 2498.880           | 61.14             | -0.31                    | 60.83              | 74.00             | -13.17         | peak   |
| 49  | 2498.880           | 44.79             | -0.31                    | 44.48              | 54.00             | -9.52          | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 2464.120        | 103.56         | -0.49                 | 103.07          | --             | --          | peak   |
| 2   | 2483.500        | 64.90          | -0.40                 | 64.50           | 74.00          | -9.50       | peak   |
| 3   | 2483.500        | 48.62          | -0.40                 | 48.22           | 54.00          | -5.78       | AVG    |
| 4   | 2484.040        | 67.23          | -0.39                 | 66.84           | 74.00          | -7.16       | peak   |
| 5   | 2484.040        | 48.33          | -0.39                 | 47.94           | 54.00          | -6.06       | AVG    |
| 6   | 2484.600        | 67.68          | -0.39                 | 67.29           | 74.00          | -6.71       | peak   |
| 7   | 2484.600        | 48.03          | -0.39                 | 47.64           | 54.00          | -6.36       | AVG    |
| 8   | 2485.360        | 64.65          | -0.39                 | 64.26           | 74.00          | -9.74       | peak   |
| 9   | 2485.360        | 47.47          | -0.39                 | 47.08           | 54.00          | -6.92       | AVG    |
| 10  | 2485.960        | 65.61          | -0.38                 | 65.23           | 74.00          | -8.77       | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                      |                |
|-------------|-----------|----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:       | 3m             |
| Test item:  | Band edge | Power:               | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum.(%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4    |                      |                |
| Ant.Polar.: | Vertical  |                      |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 11  | 2485.960           | 47.11             | -0.38                    | 46.73              | 54.00             | -7.27          | AVG    |
| 12  | 2486.760           | 64.88             | -0.38                    | 64.50              | 74.00             | -9.50          | peak   |
| 13  | 2486.760           | 46.61             | -0.38                    | 46.23              | 54.00             | -7.77          | AVG    |
| 14  | 2487.320           | 63.30             | -0.37                    | 62.93              | 74.00             | -11.07         | peak   |
| 15  | 2487.320           | 46.27             | -0.37                    | 45.90              | 54.00             | -8.10          | AVG    |
| 16  | 2488.040           | 63.71             | -0.37                    | 63.34              | 74.00             | -10.66         | peak   |
| 17  | 2488.040           | 45.88             | -0.37                    | 45.51              | 54.00             | -8.49          | AVG    |
| 18  | 2489.360           | 62.10             | -0.37                    | 61.73              | 74.00             | -12.27         | peak   |
| 19  | 2489.360           | 45.35             | -0.37                    | 44.98              | 54.00             | -9.02          | AVG    |
| 20  | 2490.480           | 61.43             | -0.36                    | 61.07              | 74.00             | -12.93         | peak   |
| 21  | 2490.480           | 44.91             | -0.36                    | 44.55              | 54.00             | -9.45          | AVG    |
| 22  | 2490.960           | 61.22             | -0.36                    | 60.86              | 74.00             | -13.14         | peak   |
| 23  | 2490.960           | 44.81             | -0.36                    | 44.45              | 54.00             | -9.55          | AVG    |
| 24  | 2491.520           | 61.05             | -0.35                    | 60.70              | 74.00             | -13.30         | peak   |
| 25  | 2491.520           | 44.66             | -0.35                    | 44.31              | 54.00             | -9.69          | AVG    |
| 26  | 2492.160           | 60.36             | -0.35                    | 60.01              | 74.00             | -13.99         | peak   |
| 27  | 2492.160           | 44.52             | -0.35                    | 44.17              | 54.00             | -9.83          | AVG    |
| 28  | 2492.800           | 62.06             | -0.34                    | 61.72              | 74.00             | -12.28         | peak   |
| 29  | 2492.800           | 44.42             | -0.34                    | 44.08              | 54.00             | -9.92          | AVG    |
| 30  | 2493.400           | 59.48             | -0.34                    | 59.14              | 74.00             | -14.86         | peak   |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

|             |           |                       |                |
|-------------|-----------|-----------------------|----------------|
| Standard:   | RSS-247   | Test Distance:        | 3m             |
| Test item:  | Band edge | Power:                | AC 120 V/60 Hz |
| Frequency:  | 2462MHz   | Temp.(°C)/Hum. (%RH): | 26(°C)/60 %RH  |
| Mode:       | Mode 4    |                       |                |
| Ant.Polar.: | Vertical  |                       |                |

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct Factor<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|--------------------------|--------------------|-------------------|----------------|--------|
| 31  | 2493.400           | 44.32             | -0.34                    | 43.98              | 54.00             | -10.02         | AVG    |
| 32  | 2494.120           | 59.83             | -0.34                    | 59.49              | 74.00             | -14.51         | peak   |
| 33  | 2494.120           | 44.20             | -0.34                    | 43.86              | 54.00             | -10.14         | AVG    |
| 34  | 2494.600           | 60.60             | -0.34                    | 60.26              | 74.00             | -13.74         | peak   |
| 35  | 2494.600           | 44.13             | -0.34                    | 43.79              | 54.00             | -10.21         | AVG    |
| 36  | 2496.000           | 58.62             | -0.33                    | 58.29              | 74.00             | -15.71         | peak   |
| 37  | 2496.000           | 43.83             | -0.33                    | 43.50              | 54.00             | -10.50         | AVG    |
| 38  | 2497.040           | 59.72             | -0.33                    | 59.39              | 74.00             | -14.61         | peak   |
| 39  | 2497.040           | 43.76             | -0.33                    | 43.43              | 54.00             | -10.57         | AVG    |
| 40  | 2497.360           | 62.40             | -0.32                    | 62.08              | 74.00             | -11.92         | peak   |
| 41  | 2497.360           | 43.72             | -0.32                    | 43.40              | 54.00             | -10.60         | AVG    |
| 42  | 2498.000           | 59.39             | -0.32                    | 59.07              | 74.00             | -14.93         | peak   |
| 43  | 2498.000           | 43.67             | -0.32                    | 43.35              | 54.00             | -10.65         | AVG    |
| 44  | 2499.240           | 57.61             | -0.31                    | 57.30              | 74.00             | -16.70         | peak   |
| 45  | 2499.240           | 43.56             | -0.31                    | 43.25              | 54.00             | -10.75         | AVG    |

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3.When the peak results are less than average limit, so not need to evaluate the average.

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