



CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

MAYA-W2 host-based multiradio modules

MODEL NUMBER: MAYA-W271-00B

REPORT NUMBER: 4791682450-1-RF-5

ISSUE DATE: May 12, 2025

FCC ID: XPYMAYAW2A

Prepared for

**u-blox AG
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Prepared by

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Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|--------------|---------------|------------|
| V0 | May 12, 2025 | Initial Issue | |

Summary of Test Results

| Test Item | Clause | Limit/Requirement | Result |
|---|---|---|--------|
| Antenna Requirement | N/A | FCC Part 15.203/15.247 (c) | Pass |
| AC Power Line Conducted Emission | ANSI C63.10-2013, Clause 6.2 | FCC Part 15.207 | Pass |
| Conducted Output Power | ANSI C63.10-2013, Clause 11.9.1.3 | FCC Part 15.247 (b)(3) | Pass |
| 6dB Bandwidth and 99% Occupied Bandwidth | ANSI C63.10-2013, Clause 11.8.1 | FCC Part 15.247 (a)(2) | Pass |
| Power Spectral Density | ANSI C63.10-2013, Clause 11.10.2 | FCC Part 15.247 (e) | Pass |
| Conducted Band edge and spurious emission | ANSI C63.10-2013, Clause 11.11 | FCC Part 15.247(d) | Pass |
| Radiated Band edge and Spurious Emission | ANSI C63.10-2013, Clause 11.12 & Clause 11.13 | FCC Part 15.247 (d) FCC Part 15.205/15.209 | Pass |
| Duty Cycle | ANSI C63.10-2013, Clause 11.6 | None; for reporting purposes only. | Pass |

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Simple Acceptance> decision rule is applied.

Note: This report is based on report No.: G0M-2302-1881-TFC247ZB-W271-V03 which is issued by Eurofins Product Service GmbH on Jan. 11, 2024. The module has been certified for FCC ID, the antenna type and gain changed. The RF technical construction including circuit diagram, PCB Layout, components, component layout and performance does not change. The output power is verified close to the original report. Only radiated test item performed and reported in this report.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: u-blox AG
Address: Zuercherstrasse 68, Thalwil, Ch-8800 Switzerland

Manufacturer Information

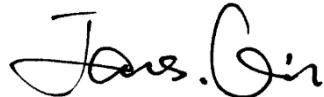
Company Name: u-blox AG
Address: Zuercherstrasse 68, Thalwil, Ch-8800 Switzerland

EUT Information

EUT Name: MAYA-W2 host-based multiradio modules
Model: MAYA-W271-00B
Series Model: \\\
Brand: \\\
Sample Received Date: February 21, 2025
Sample Status: Normal
Sample ID: 8456961
Date of Tested: February 24, 2025 to April 30, 2025

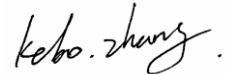
| APPLICABLE STANDARDS | |
|------------------------------|--------------|
| STANDARD | TEST RESULTS |
| CFR 47 FCC PART 15 SUBPART C | Pass |

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2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C, KDB 558074 D01 15.247 Meas Guidance v05r02, 414788 D01 Radiated Test Site v01r01, CFR 47 FCC Part 2, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

| | |
|---------------------------|---|
| Accreditation Certificate | <p>A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p>ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793.</p> <p>Facility Name: Chamber D, the VCCI registration No. is G-20192 and R-20202 Shielding Room B, the VCCI registration No. is C-20153 and T-20155</p> |
|---------------------------|---|

Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Item | Uncertainty |
|--|---------------------------|
| Conduction emission | 3.62 dB |
| Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz) | 2.2 dB |
| Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz) | 4.00 dB |
| Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz) | 5.78 dB (1 GHz ~ 18 GHz) |
| | 5.23 dB (18 GHz ~ 26 GHz) |

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

| | |
|------------------|---------------------------------------|
| EUT Name | MAYA-W2 host-based multiradio modules |
| Model | MAYA-W271-00B |
| Series Model | \ |
| Model Difference | \ |

| | |
|---------------------|----------------------|
| Frequency Range: | 2405 MHz to 2480 MHz |
| Type of Modulation: | OQPSK |
| Data Rates: | 250kbps |
| Rated Input | DC 5 V, 1 A |

5.2. CHANNEL LIST

| Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| 11 | 2405 | 15 | 2425 | 19 | 2445 | 23 | 2465 |
| 12 | 2410 | 16 | 2430 | 20 | 2450 | 24 | 2470 |
| 13 | 2415 | 17 | 2435 | 21 | 2455 | 25 | 2475 |
| 14 | 2420 | 18 | 2440 | 22 | 2460 | 26 | 2480 |

5.3. TEST CHANNEL CONFIGURATION

| Test Mode | Test Channel | Frequency |
|-----------|--|--|
| ZigBee | CH 11(Low Channel), CH 19(MID Channel), CH 25, CH 26(High Channel) | 2405 MHz, 2445 MHz, 2475 MHz, 2480 MHz |

5.4. THE WORSE CASE POWER SETTING PARAMETER

| The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band | | | | | | |
|--|-------------------------|-----------------------------|-------|-------|-------|--|
| Test Software Version | | CMD | | | | |
| Modulation Type | Transmit Antenna Number | Test Software setting value | | | | |
| | | CH 11 | CH 19 | CH 25 | CH 26 | |
| ZigBee | J21 | 15 | 15 | 15 | 15 | |

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna Gain (dBi) |
|---------|-----------------|--------------|------------------------|
| J21 | 2405-2480 | FPC | 2.13 |

| Test Mode | Transmit and Receive Mode | Description |
|--|--|--|
| ZigBee | <input checked="" type="checkbox"/> 1TX, 1RX | Antenna J21 can be used as transmitting/receiving antenna. |
| Note: 1. WIFI 5G & Zigbee, WIFI 5G & BT, WIFI 2.4G & Zigbee, WIFI 2.4G & BT can transmit simultaneously. (declared by client) | | |

5.6. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

| Item | Equipment | Brand Name | Model Name | P/N |
|------|------------------|------------|----------------|---|
| 1 | Adapter | / | FH12W-1201000C | Input: 100-240V ~50/60Hz, 0.6 A Output Voltage: 5Vdc, 1A |
| 2 | UART Serial Port | / | / | / |

I/O CABLES

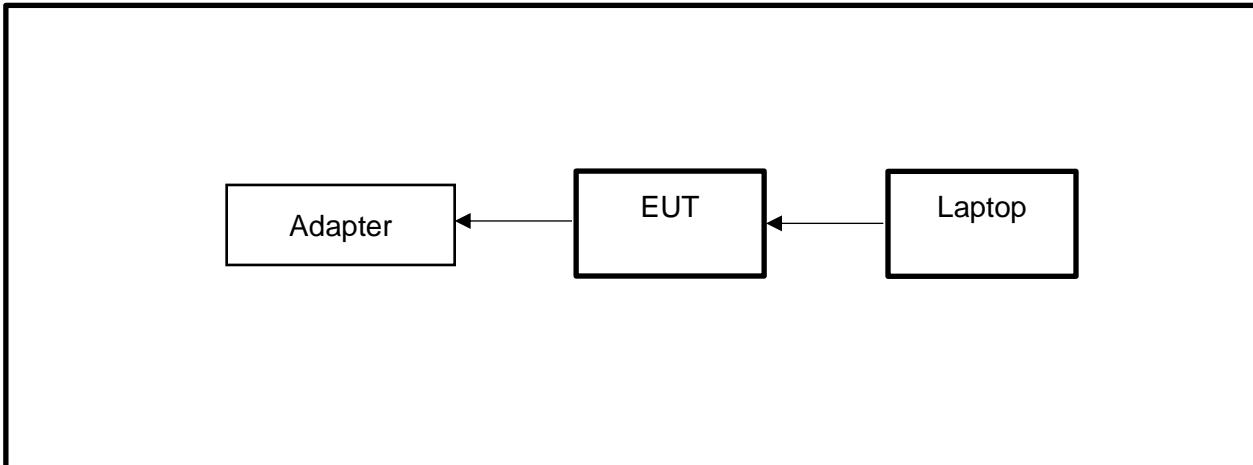
| able No | Port | Connector Type | Cable Type | Cable Length(m) | Remarks |
|---------|------|----------------|------------|-----------------|---------|
| 1 | / | / | / | / | / |

ACCESSORY

| Item | Accessory | Brand Name | Model Name | Description |
|------|-----------|------------|------------|-------------|
| 1 | / | / | / | / |

TEST SETUP

The EUT can work in an engineer mode by running with CMD command.

SETUP DIAGRAM FOR TESTS

6. MEASURING EQUIPMENT AND SOFTWARE USED

| Radiated Emissions | | | | | |
|--------------------------------------|--------------|-------------------------------------|---------------|---------------|--------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| MXE EMI Receiver | KESIGHT | N9038A | MY56400036 | Sep.28, 2024 | Sep.27, 2025 |
| Hybrid Log Periodic Antenna | TDK | HLP-3003C | 130960 | June 28, 2024 | June.27 2027 |
| Preamplifier | HP | 8447D | 2944A09099 | Sep.28, 2024 | Sep.27, 2025 |
| EMI Measurement Receiver | R&S | ESR26 | 101377 | Sep.28, 2024 | Sep.27, 2025 |
| Horn Antenna | TDK | HRN-0118 | 130939 | Apr.29, 2022 | Apr.28, 2025 |
| Preamplifier | TDK | PA-02-0118 | TRS-305-00067 | Sep.28, 2024 | Sep.27, 2025 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 697 | Jun 30, 2024 | Jun 29, 2027 |
| Preamplifier | TDK | PA-02-2 | TRS-307-00003 | Sep.28, 2024 | Sep.27, 2025 |
| Preamplifier | TDK | PA-02-3 | TRS-308-00002 | Sep.28, 2024 | Sep.27, 2025 |
| Loop antenna | Schwarzbeck | 1519B | 00008 | Dec. 09, 2024 | Dec.08, 2027 |
| High Pass Filter | Wi | WHKX10-2700-3000-18000-40SS | 23 | Sep.28, 2024 | Sep.27, 2025 |
| Band Reject Filter | Wainwright | WRCJV8-2350-2400-2483.5-2533.5-40SS | 4 | Sep.28, 2024 | Sep.27, 2025 |
| Software | | | | | |
| Description | | Manufacturer | | Name | Version |
| Test Software for Radiated Emissions | | Farad | | EZ-EMC | Ver. UL-3A1 |

| Other Instrument | | | | | |
|----------------------------|--------------|-----------|------------|--------------|--------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| Temperature humidity probe | OMEGA | ITHX-SD-5 | 18470007 | Oct.8, 2024 | Oct.7, 2025 |
| Barometer | Yiyi | Baro | N/A | Oct.10, 2024 | Oct.9, 2025 |
| Attenuator | Agilent | 8495B | 2814a12853 | Sep.28, 2024 | Sep.27, 2025 |

7. ANTENNA PORT TEST RESULTS

8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

| Emissions radiated outside of the specified frequency bands above 30 MHz | | | |
|--|---------------------------------------|---|---------|
| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m | |
| | | Quasi-Peak | |
| 30 - 88 | 100 | 40 | |
| 88 - 216 | 150 | 43.5 | |
| 216 - 960 | 200 | 46 | |
| Above 960 | 500 | 54 | |
| Above 1000 | 500 | Peak | Average |
| | | 74 | 54 |

| FCC Emissions radiated outside of the specified frequency bands below 30 MHz | | |
|--|-----------------------------------|-------------------------------|
| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |

FCC Restricted bands of operation refer to FCC §15.205 (a):

| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.490-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (²) |
| 13.36-13.41 | | | |

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

| | |
|-------|--|
| RBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| VBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| Sweep | Auto |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made

to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

| | |
|----------|----------|
| RBW | 120 kHz |
| VBW | 300 kHz |
| Sweep | Auto |
| Detector | Peak/QP |
| Trace | Max hold |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

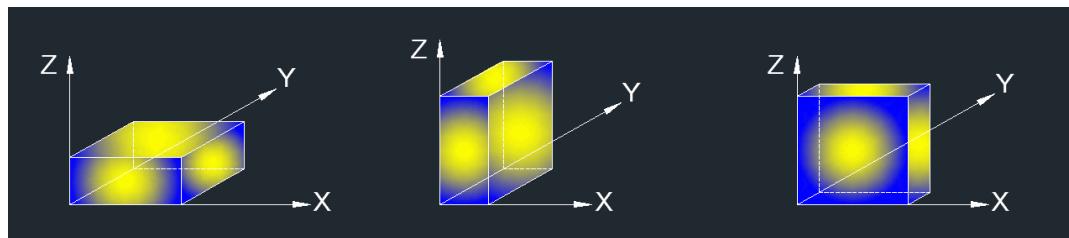
Above 1 GHz

The setting of the spectrum analyzer

| | |
|----------|--------------------------------|
| RBW | 1 MHz |
| VBW | PEAK: 3 MHz AVG: see note 6 |
| Sweep | Auto |
| Detector | Peak |
| Trace | Max hold |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Restricted Bandedge:

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: $VBW=1/Ton$, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. $dBuA/m = dBuV/m - 20\log_{10}[120\pi] = dBuV/m - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

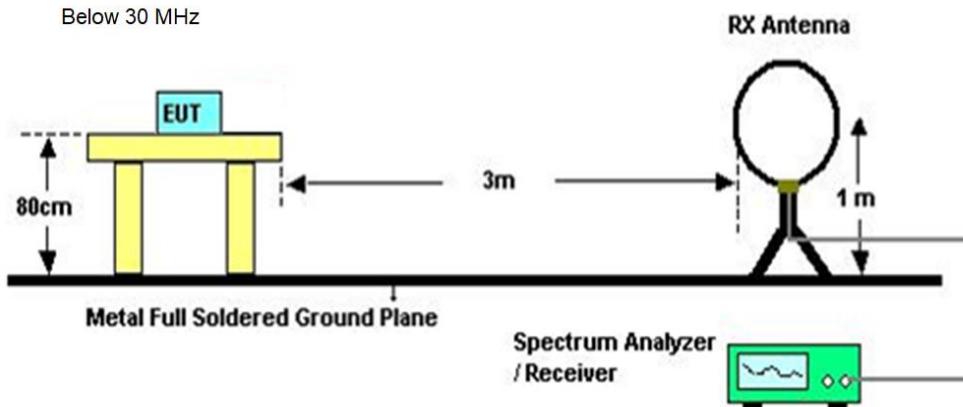
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

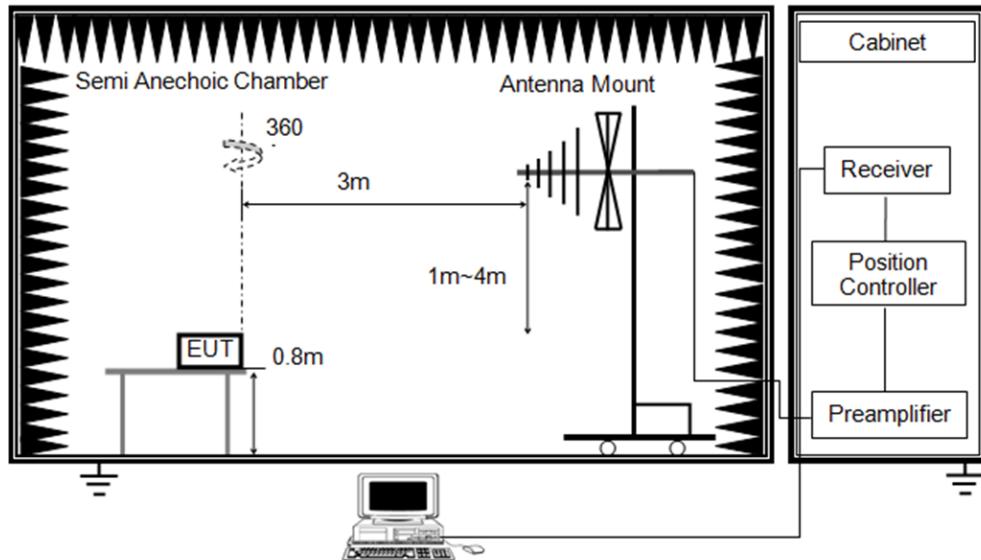
Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

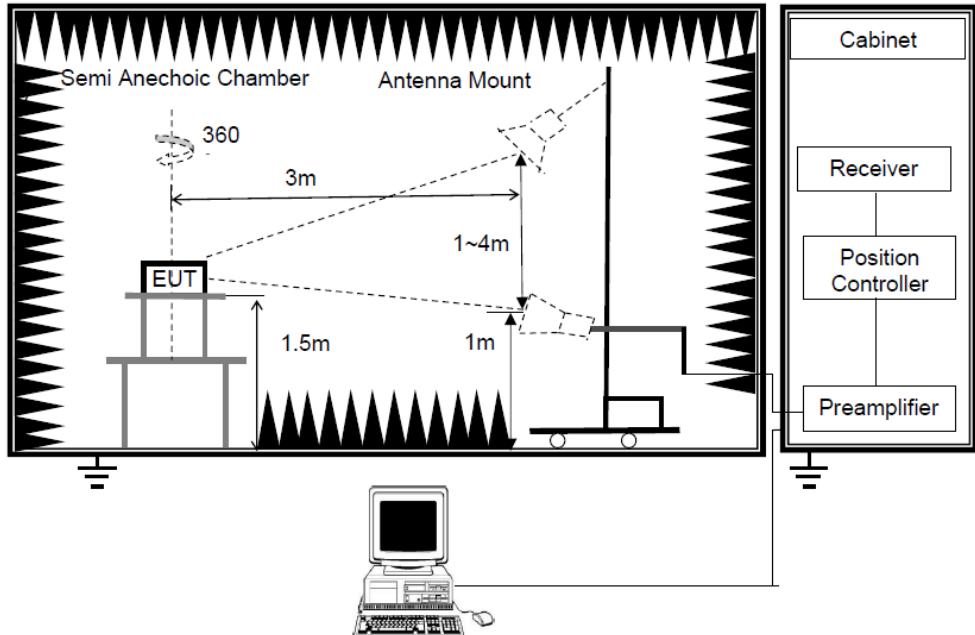
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

| | | | |
|---------------------|---------|-------------------|--------|
| Temperature | 21.5 °C | Relative Humidity | 59.4 % |
| Atmosphere Pressure | 101 kPa | Test Voltage | |

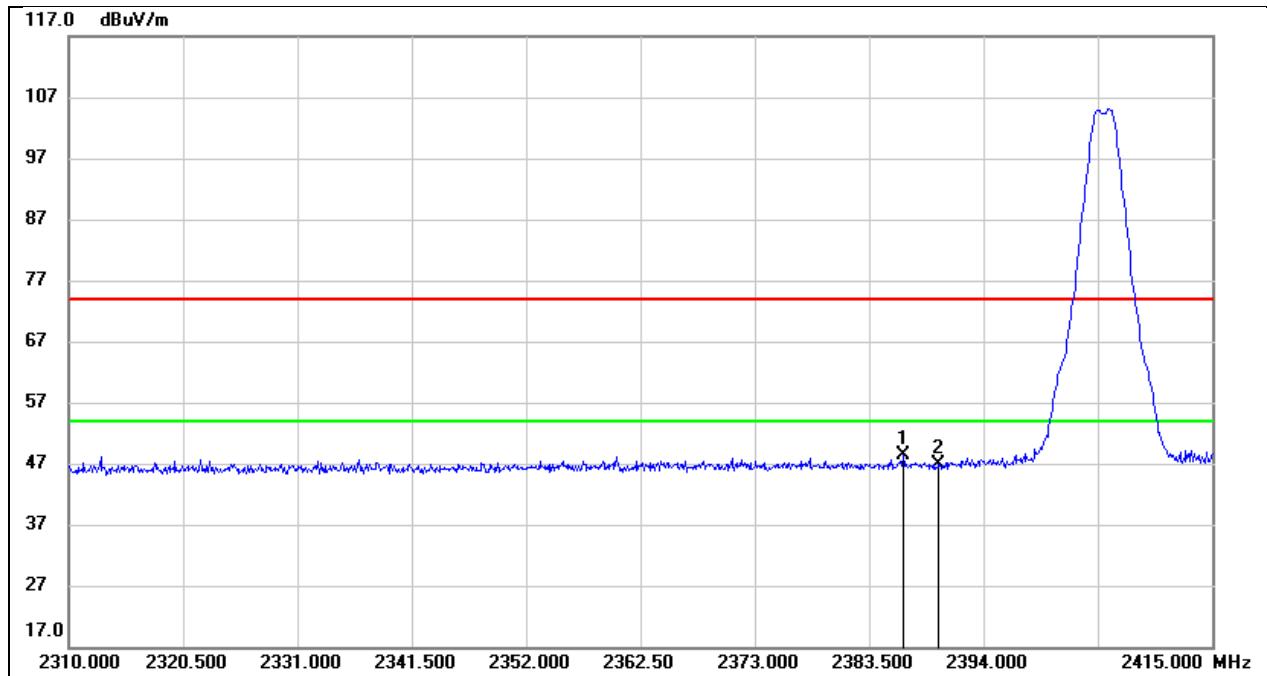
TEST DATE / ENGINEER

| | | | |
|-----------|------------------|---------|------------|
| Test Date | January 13, 2025 | Test By | Mason Wang |
|-----------|------------------|---------|------------|

TEST RESULTS

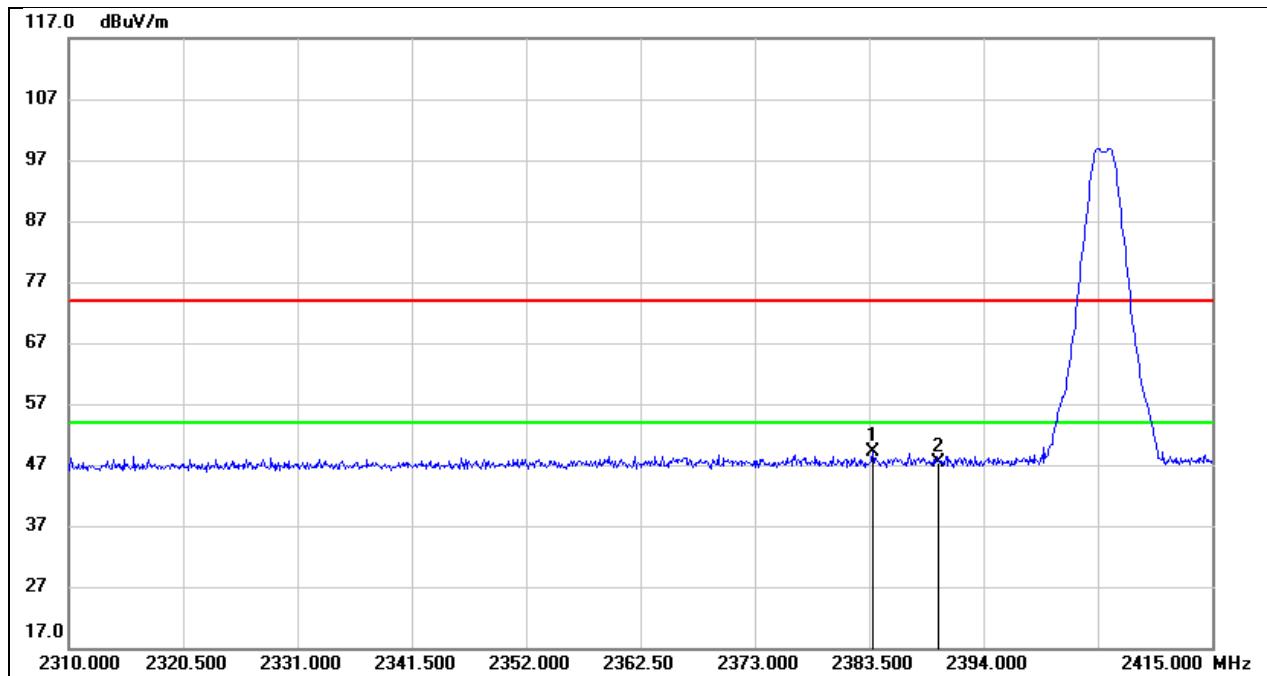
8.1. RESTRICTED BANDEDGE

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee PK | Frequency(MHz): | 2405 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



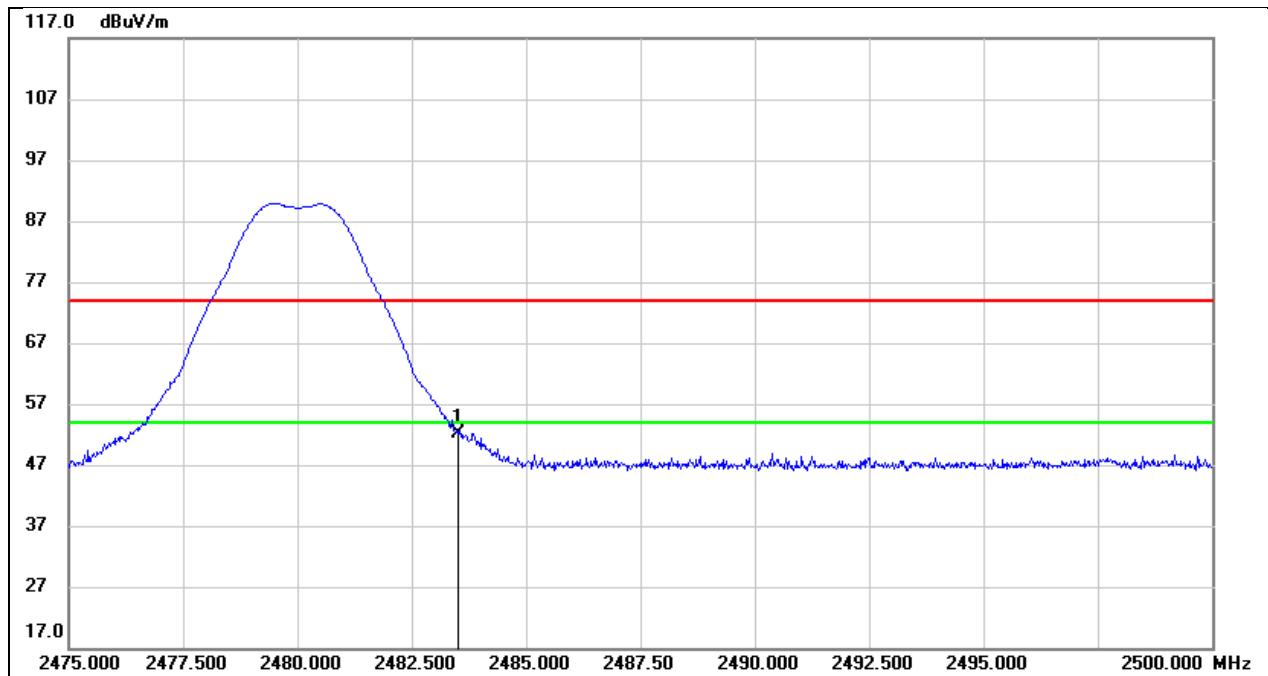
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 2386.650 | 16.58 | 31.72 | 48.30 | 74.00 | -25.70 | peak |
| 2 | 2390.000 | 15.09 | 31.73 | 46.82 | 74.00 | -27.18 | peak |

| | | | |
|------------|-----------|-----------------|--------------|
| Test Mode: | Zigbee PK | Frequency(MHz): | 2405 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



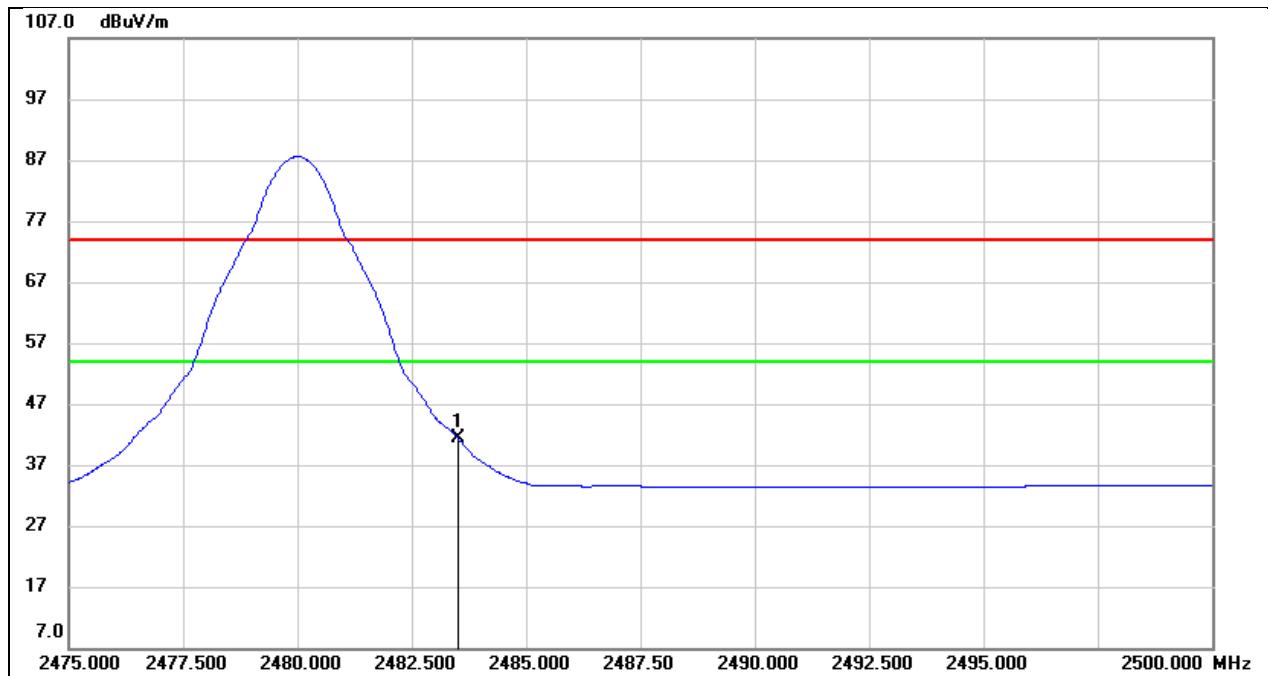
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 2383.815 | 16.55 | 32.53 | 49.08 | 74.00 | -24.92 | peak |
| 2 | 2390.000 | 14.85 | 32.55 | 47.40 | 74.00 | -26.60 | peak |

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee PK | Frequency(MHz): | 2480 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 2483.500 | 20.17 | 32.00 | 52.17 | 74.00 | -21.83 | peak |

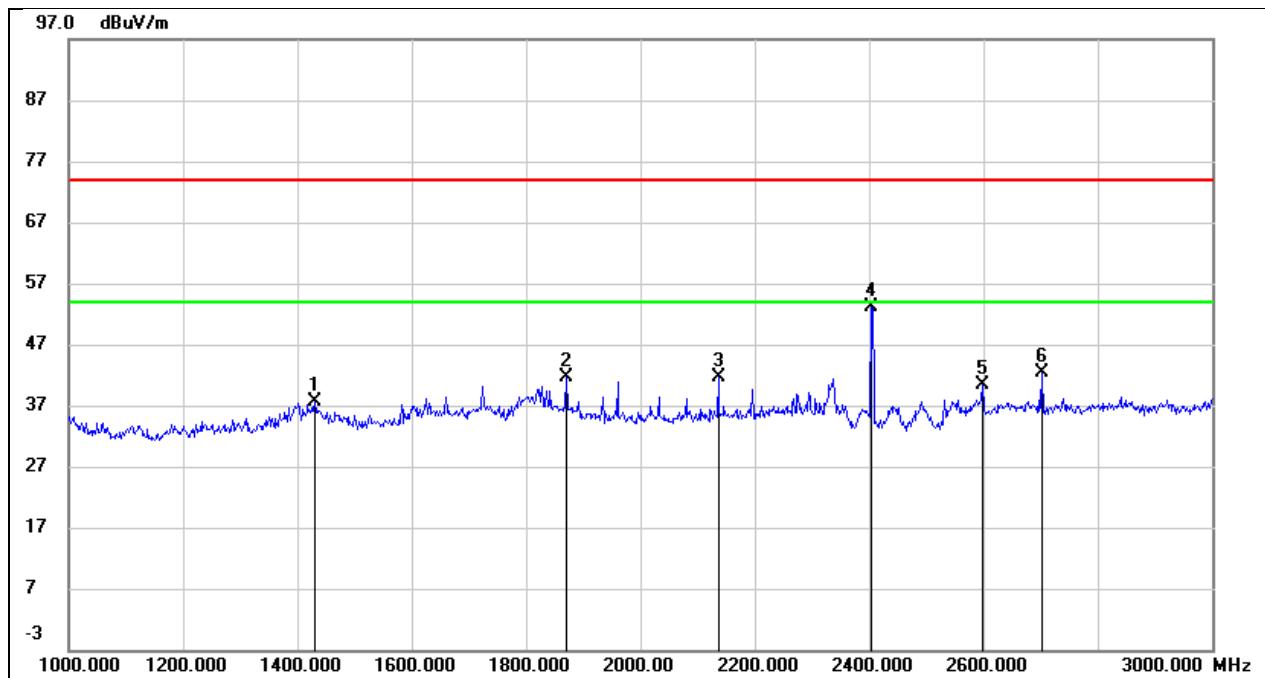
| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee AV | Frequency(MHz): | 2480 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 2483.500 | 9.47 | 32.00 | 41.47 | 54.00 | -12.53 | AVG |

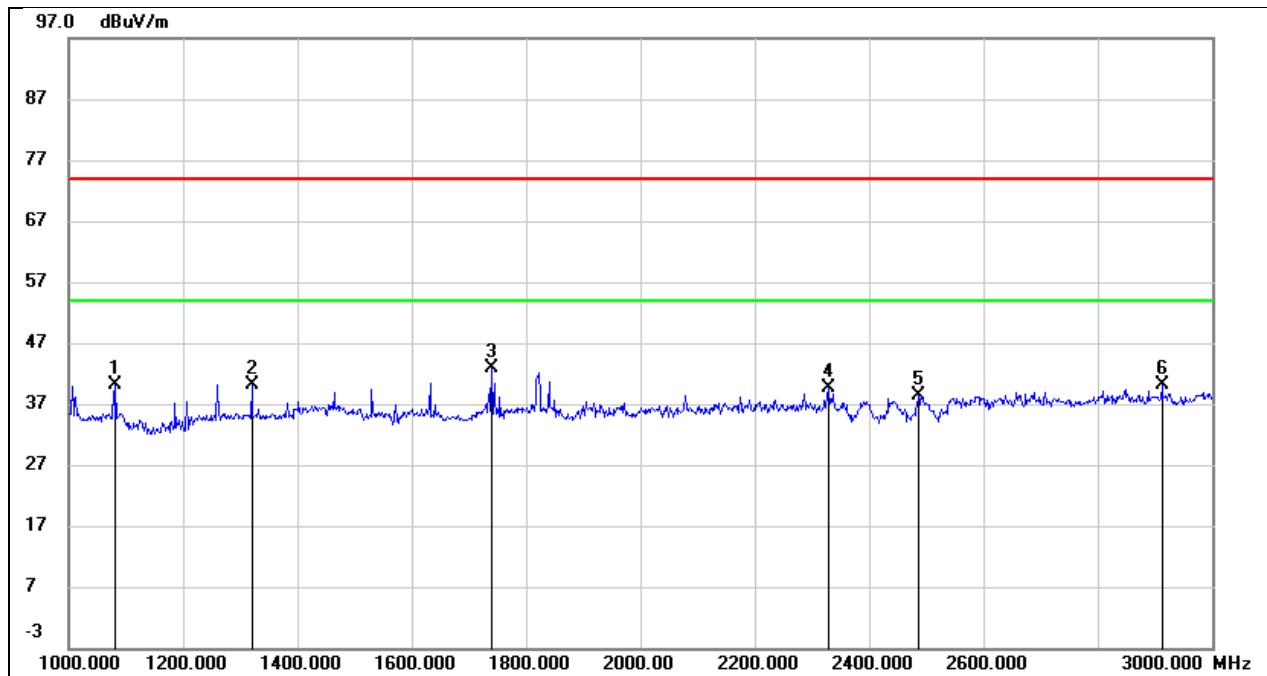
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2405 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



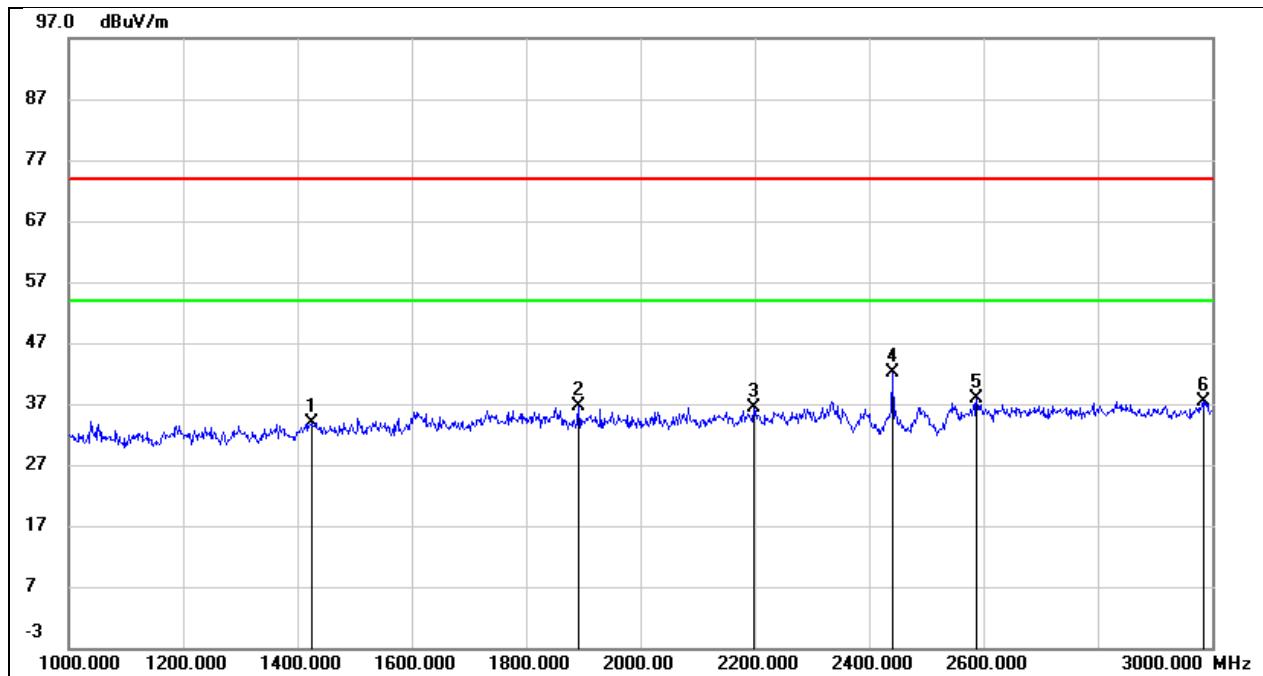
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1430.000 | 50.00 | -12.28 | 37.72 | 74.00 | -36.28 | peak |
| 2 | 1870.000 | 51.56 | -10.02 | 41.54 | 74.00 | -32.46 | peak |
| 3 | 2136.000 | 51.22 | -9.59 | 41.63 | 74.00 | -32.37 | peak |
| 4 | 2404.000 | 61.74 | -8.58 | 53.16 | 74.00 | -20.84 | peak |
| 5 | 2598.000 | 48.20 | -7.77 | 40.43 | 74.00 | -33.57 | peak |
| 6 | 2702.000 | 49.73 | -7.33 | 42.40 | 74.00 | -31.60 | peak |

| | | | |
|------------|----------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2405 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



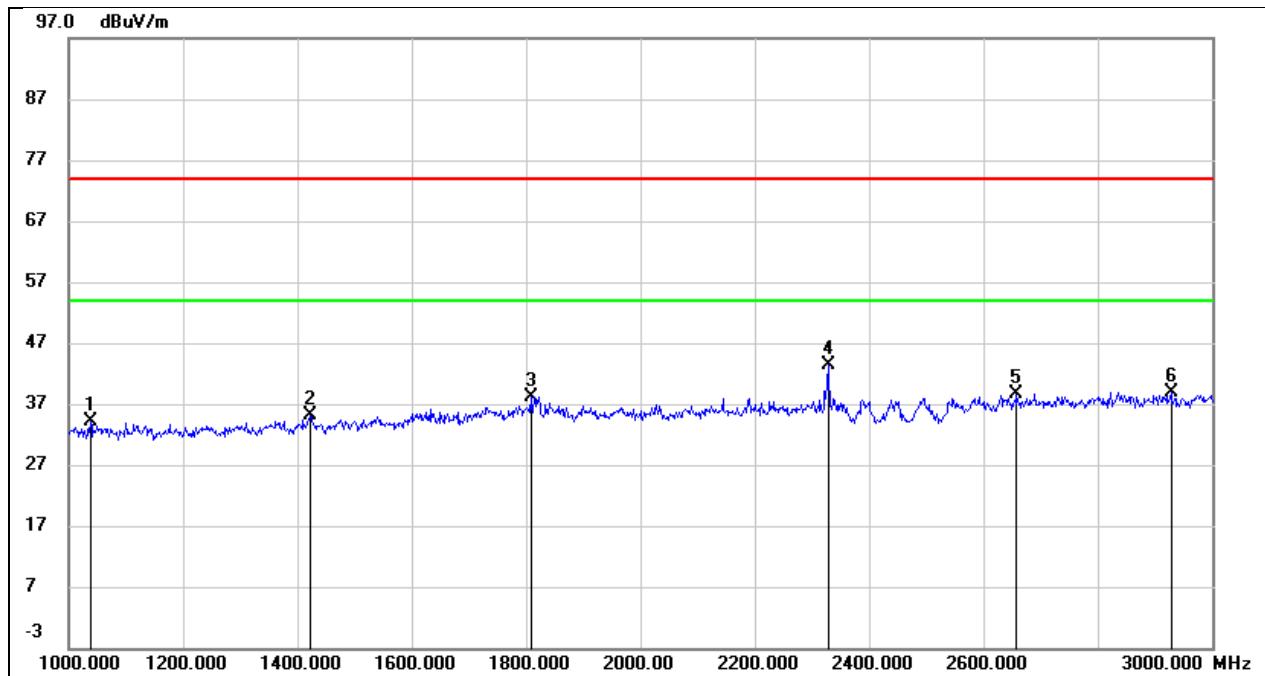
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1082.000 | 53.51 | -13.43 | 40.08 | 74.00 | -33.92 | peak |
| 2 | 1320.000 | 52.79 | -12.55 | 40.24 | 74.00 | -33.76 | peak |
| 3 | 1740.000 | 52.83 | -9.90 | 42.93 | 74.00 | -31.07 | peak |
| 4 | 2328.000 | 47.62 | -8.02 | 39.60 | 74.00 | -34.40 | peak |
| 5 | 2486.000 | 45.82 | -7.46 | 38.36 | 74.00 | -35.64 | peak |
| 6 | 2912.000 | 45.21 | -5.20 | 40.01 | 74.00 | -33.99 | peak |

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2440 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



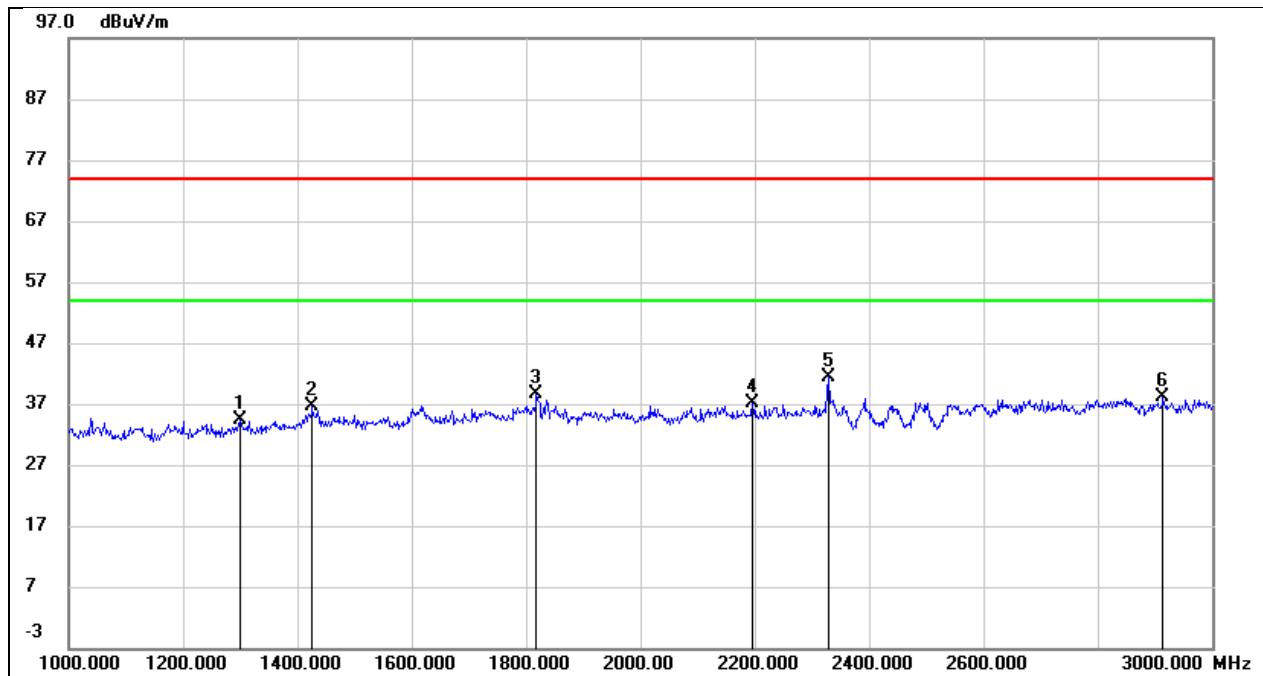
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1426.000 | 46.06 | -12.30 | 33.76 | 74.00 | -40.24 | peak |
| 2 | 1892.000 | 46.76 | -10.03 | 36.73 | 74.00 | -37.27 | peak |
| 3 | 2198.000 | 45.64 | -9.34 | 36.30 | 74.00 | -37.70 | peak |
| 4 | 2442.000 | 50.55 | -8.43 | 42.12 | 74.00 | -31.88 | peak |
| 5 | 2588.000 | 45.74 | -7.82 | 37.92 | 74.00 | -36.08 | peak |
| 6 | 2984.000 | 43.37 | -6.08 | 37.29 | 74.00 | -36.71 | peak |

| | | | |
|------------|----------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2440 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



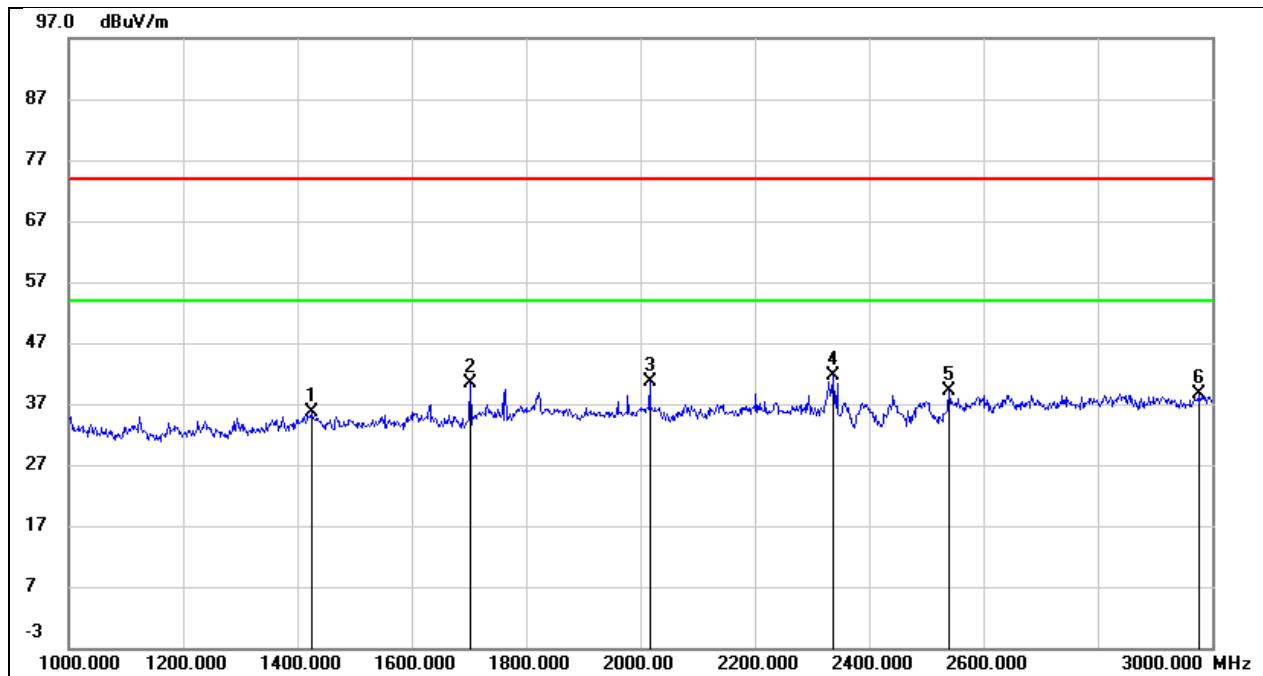
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1038.000 | 47.84 | -13.60 | 34.24 | 74.00 | -39.76 | peak |
| 2 | 1422.000 | 47.36 | -12.14 | 35.22 | 74.00 | -38.78 | peak |
| 3 | 1808.000 | 47.62 | -9.37 | 38.25 | 74.00 | -35.75 | peak |
| 4 | 2328.000 | 51.42 | -8.02 | 43.40 | 74.00 | -30.60 | peak |
| 5 | 2658.000 | 45.26 | -6.56 | 38.70 | 74.00 | -35.30 | peak |
| 6 | 2928.000 | 44.08 | -5.11 | 38.97 | 74.00 | -35.03 | peak |

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2480 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1300.000 | 47.40 | -12.96 | 34.44 | 74.00 | -39.56 | peak |
| 2 | 1426.000 | 48.94 | -12.30 | 36.64 | 74.00 | -37.36 | peak |
| 3 | 1818.000 | 48.53 | -9.98 | 38.55 | 74.00 | -35.45 | peak |
| 4 | 2196.000 | 46.37 | -9.35 | 37.02 | 74.00 | -36.98 | peak |
| 5 | 2330.000 | 50.25 | -8.85 | 41.40 | 74.00 | -32.60 | peak |
| 6 | 2914.000 | 44.45 | -6.40 | 38.05 | 74.00 | -35.95 | peak |

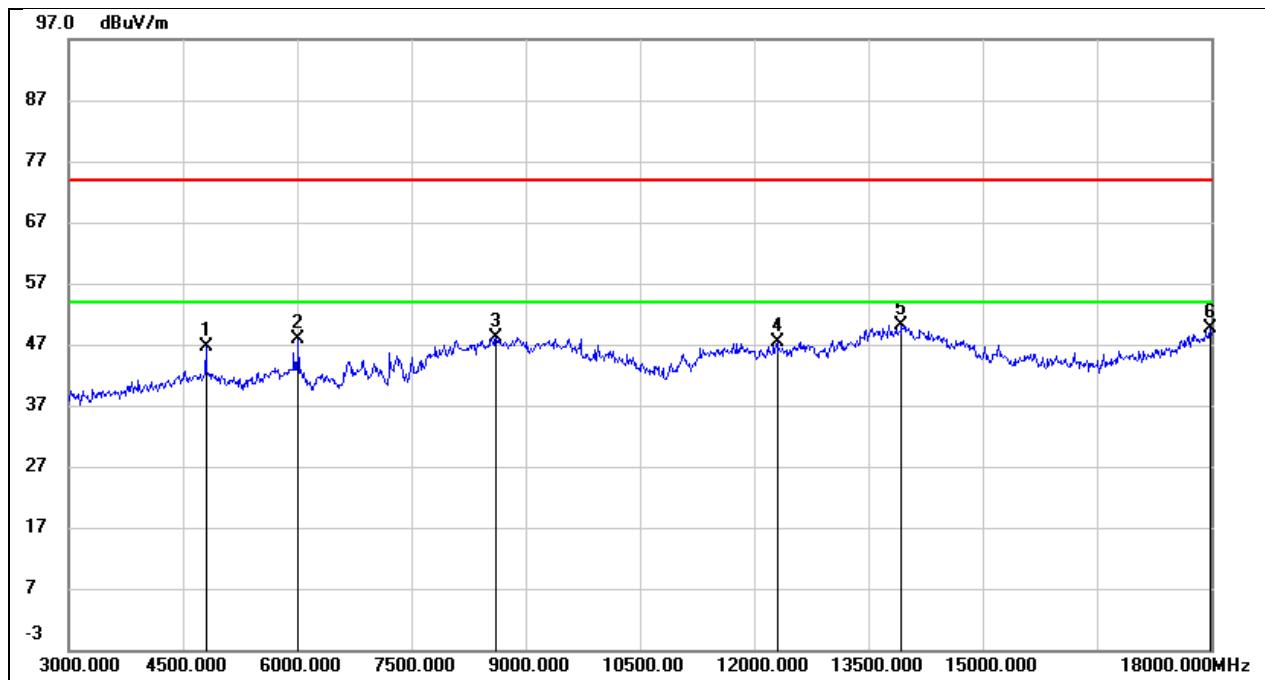
| | | | |
|------------|----------|-----------------|--------------|
| Test Mode: | Zigbee | Frequency(MHz): | 2480 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 1424.000 | 47.77 | -12.14 | 35.63 | 74.00 | -38.37 | peak |
| 2 | 1702.000 | 50.61 | -10.23 | 40.38 | 74.00 | -33.62 | peak |
| 3 | 2016.000 | 49.72 | -9.14 | 40.58 | 74.00 | -33.42 | peak |
| 4 | 2336.000 | 49.51 | -8.00 | 41.51 | 74.00 | -32.49 | peak |
| 5 | 2540.000 | 46.22 | -7.20 | 39.02 | 74.00 | -34.98 | peak |
| 6 | 2978.000 | 43.54 | -4.83 | 38.71 | 74.00 | -35.29 | peak |

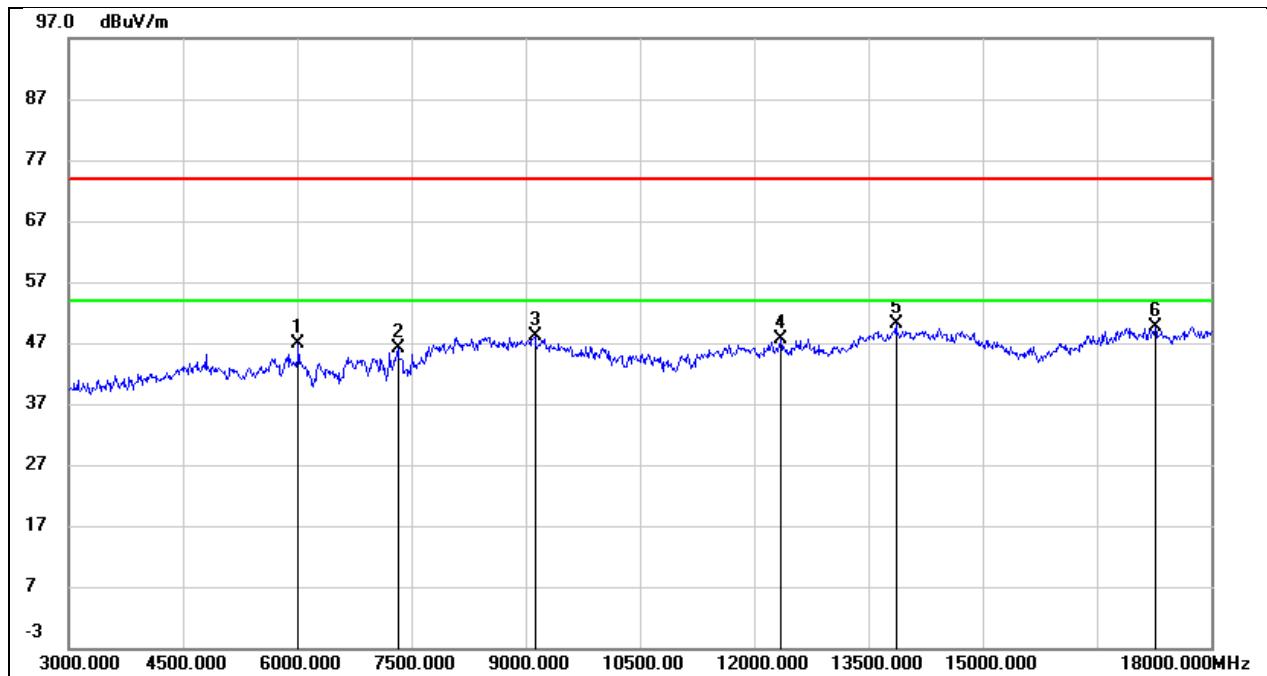
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ) - ANT1

| | | | |
|------------|------------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2405 |
| Polarity: | Horizontal | Test Voltage: | DC 3.3V |



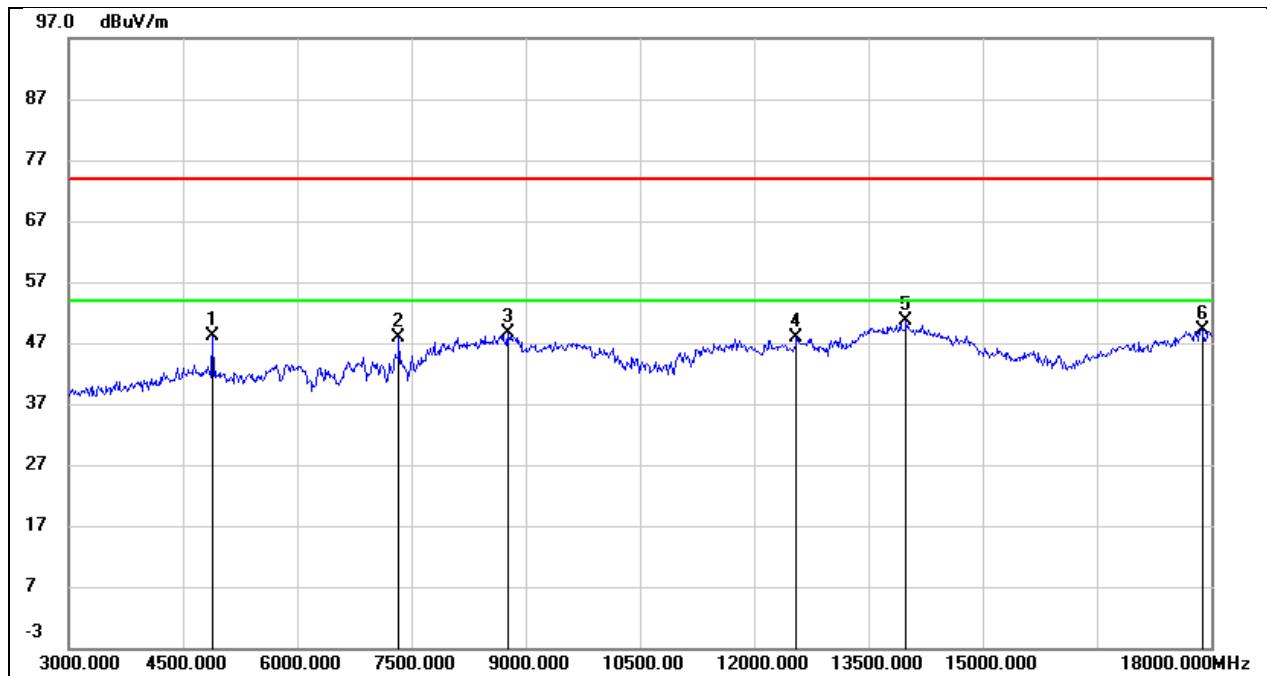
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 4800.000 | 46.18 | 0.47 | 46.65 | 74.00 | -27.35 | peak |
| 2 | 6015.000 | 44.63 | 3.20 | 47.83 | 74.00 | -26.17 | peak |
| 3 | 8610.000 | 38.88 | 9.32 | 48.20 | 74.00 | -25.80 | peak |
| 4 | 12300.000 | 28.60 | 18.85 | 47.45 | 74.00 | -26.55 | peak |
| 5 | 13935.000 | 26.62 | 23.52 | 50.14 | 74.00 | -23.86 | peak |
| 6 | 17985.000 | 20.17 | 29.49 | 49.66 | 74.00 | -24.34 | peak |

| | | | |
|------------|----------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2405 |
| Polarity: | Vertical | Test Voltage: | DC 3.3V |



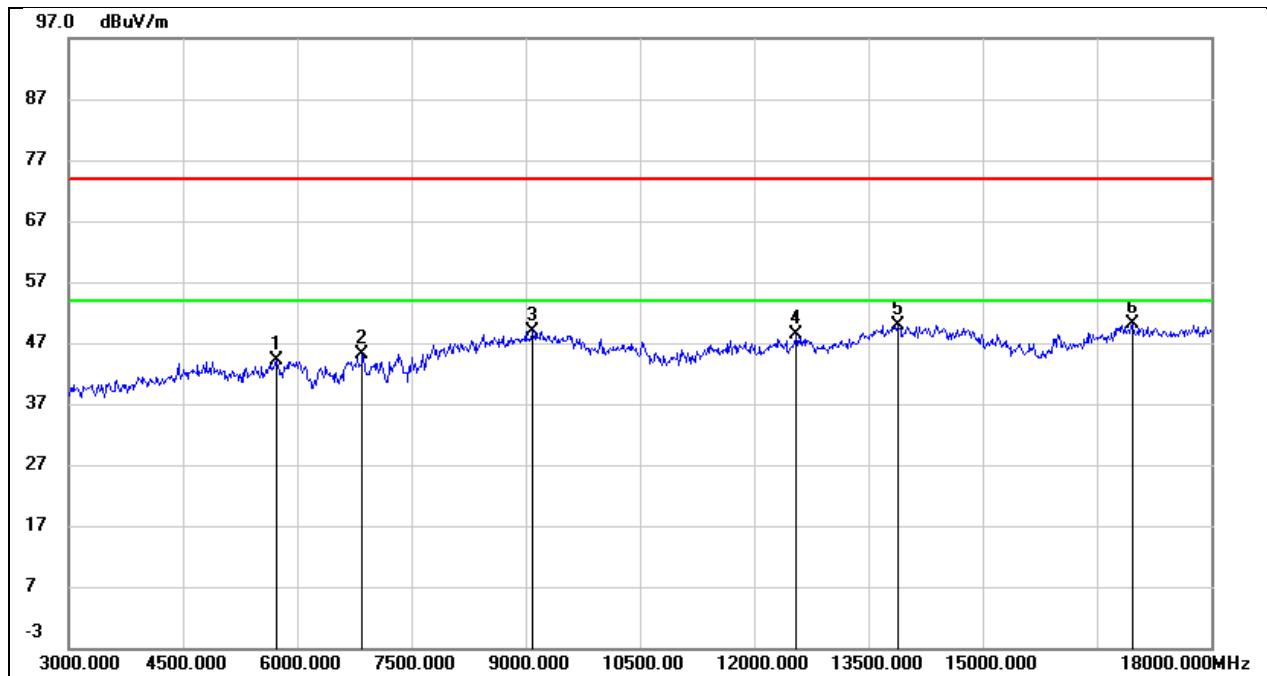
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 6015.000 | 42.64 | 4.19 | 46.83 | 74.00 | -27.17 | peak |
| 2 | 7320.000 | 38.47 | 7.69 | 46.16 | 74.00 | -27.84 | peak |
| 3 | 9120.000 | 36.98 | 11.03 | 48.01 | 74.00 | -25.99 | peak |
| 4 | 12345.000 | 29.81 | 17.94 | 47.75 | 74.00 | -26.25 | peak |
| 5 | 13860.000 | 28.57 | 21.56 | 50.13 | 74.00 | -23.87 | peak |
| 6 | 17265.000 | 24.31 | 25.34 | 49.65 | 74.00 | -24.35 | peak |

| | | | |
|------------|------------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2445 |
| Polarity: | Horizontal | Test Voltage: | DC 3.3V |



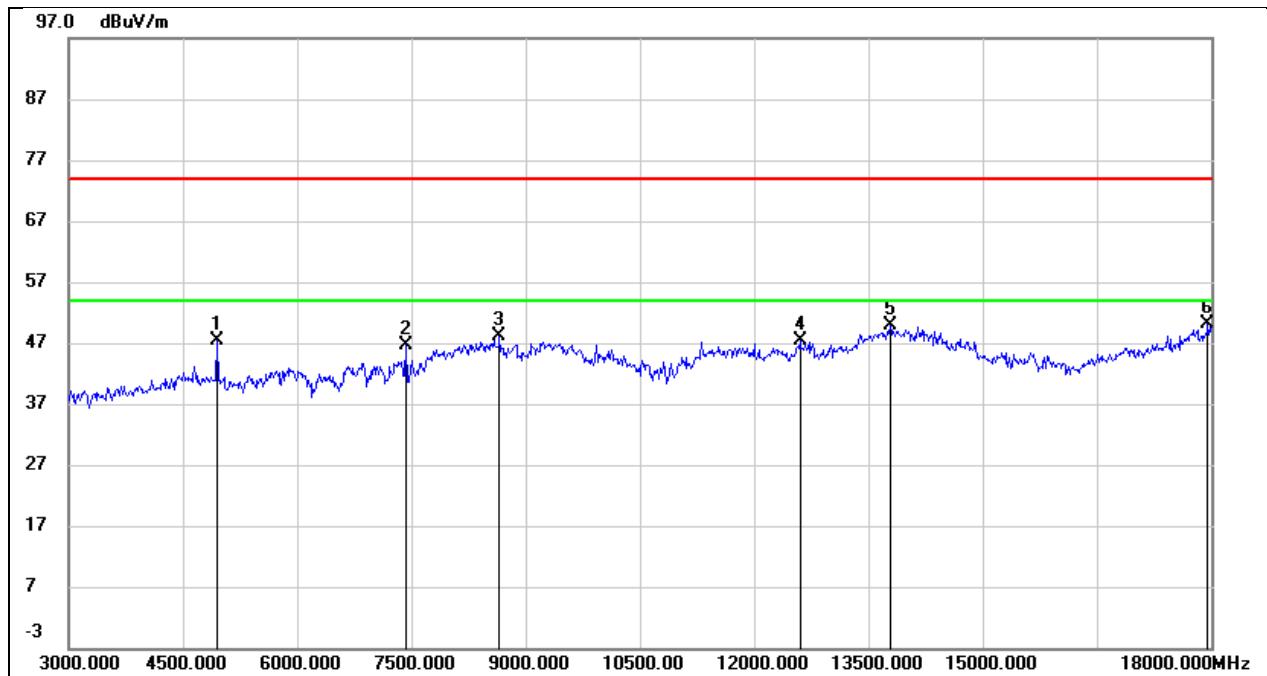
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 4890.000 | 47.41 | 0.68 | 48.09 | 74.00 | -25.91 | peak |
| 2 | 7335.000 | 40.84 | 7.07 | 47.91 | 74.00 | -26.09 | peak |
| 3 | 8760.000 | 39.01 | 9.51 | 48.52 | 74.00 | -25.48 | peak |
| 4 | 12555.000 | 29.06 | 18.94 | 48.00 | 74.00 | -26.00 | peak |
| 5 | 13995.000 | 26.75 | 23.78 | 50.53 | 74.00 | -23.47 | peak |
| 6 | 17880.000 | 20.69 | 28.42 | 49.11 | 74.00 | -24.89 | peak |

| | | | |
|------------|----------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2445 |
| Polarity: | Vertical | Test Voltage: | DC 3.3V |



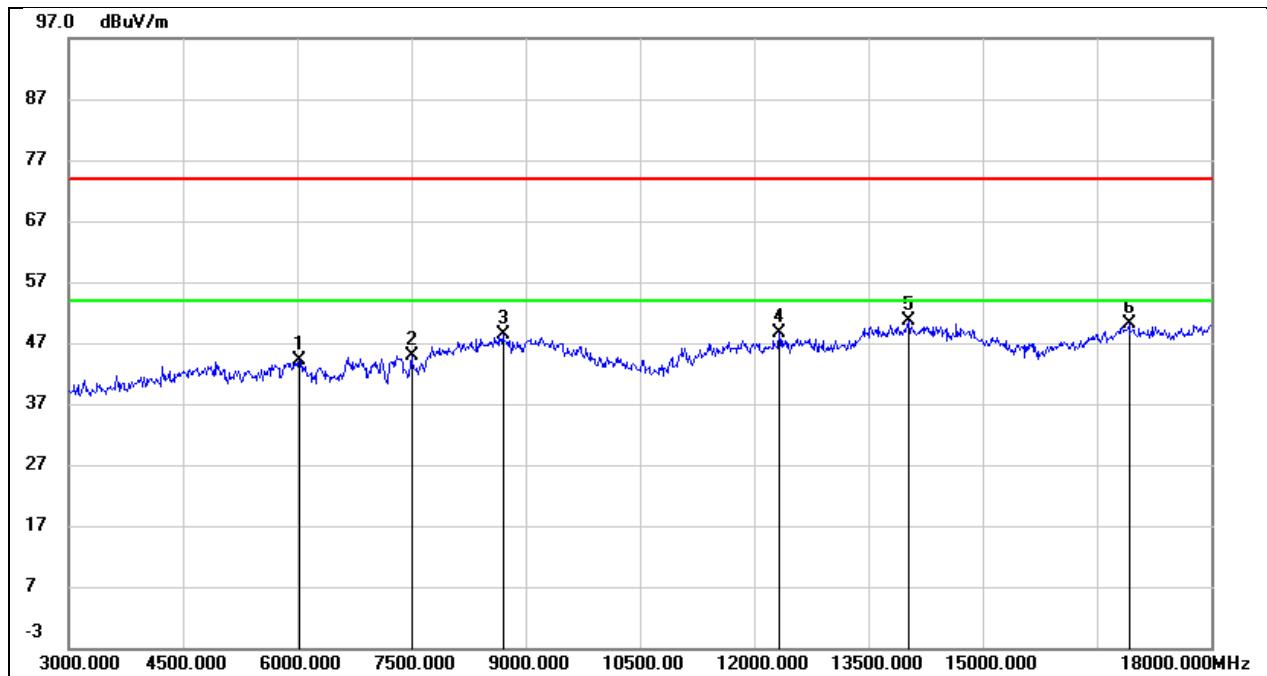
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 5730.000 | 40.36 | 3.71 | 44.07 | 74.00 | -29.93 | peak |
| 2 | 6855.000 | 38.14 | 6.88 | 45.02 | 74.00 | -28.98 | peak |
| 3 | 9090.000 | 38.07 | 10.91 | 48.98 | 74.00 | -25.02 | peak |
| 4 | 12555.000 | 30.37 | 18.00 | 48.37 | 74.00 | -25.63 | peak |
| 5 | 13890.000 | 28.27 | 21.70 | 49.97 | 74.00 | -24.03 | peak |
| 6 | 16965.000 | 25.04 | 25.14 | 50.18 | 74.00 | -23.82 | peak |

| | | | |
|------------|------------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2475 |
| Polarity: | Horizontal | Test Voltage: | DC 3.3V |



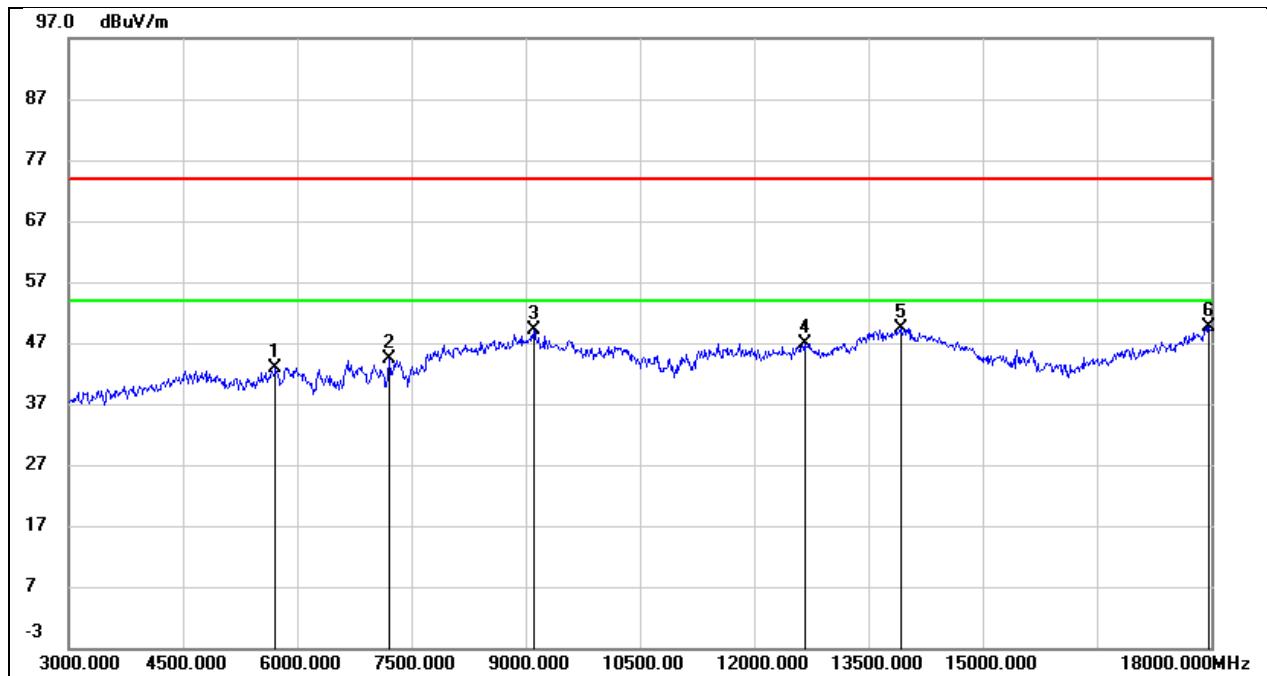
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 4950.000 | 46.57 | 0.83 | 47.40 | 74.00 | -26.60 | peak |
| 2 | 7425.000 | 39.44 | 7.21 | 46.65 | 74.00 | -27.35 | peak |
| 3 | 8655.000 | 38.69 | 9.38 | 48.07 | 74.00 | -25.93 | peak |
| 4 | 12600.000 | 28.47 | 18.97 | 47.44 | 74.00 | -26.56 | peak |
| 5 | 13785.000 | 27.01 | 22.90 | 49.91 | 74.00 | -24.09 | peak |
| 6 | 17955.000 | 21.04 | 29.18 | 50.22 | 74.00 | -23.78 | peak |

| | | | |
|------------|----------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2475 |
| Polarity: | Vertical | Test Voltage: | DC 3.3V |



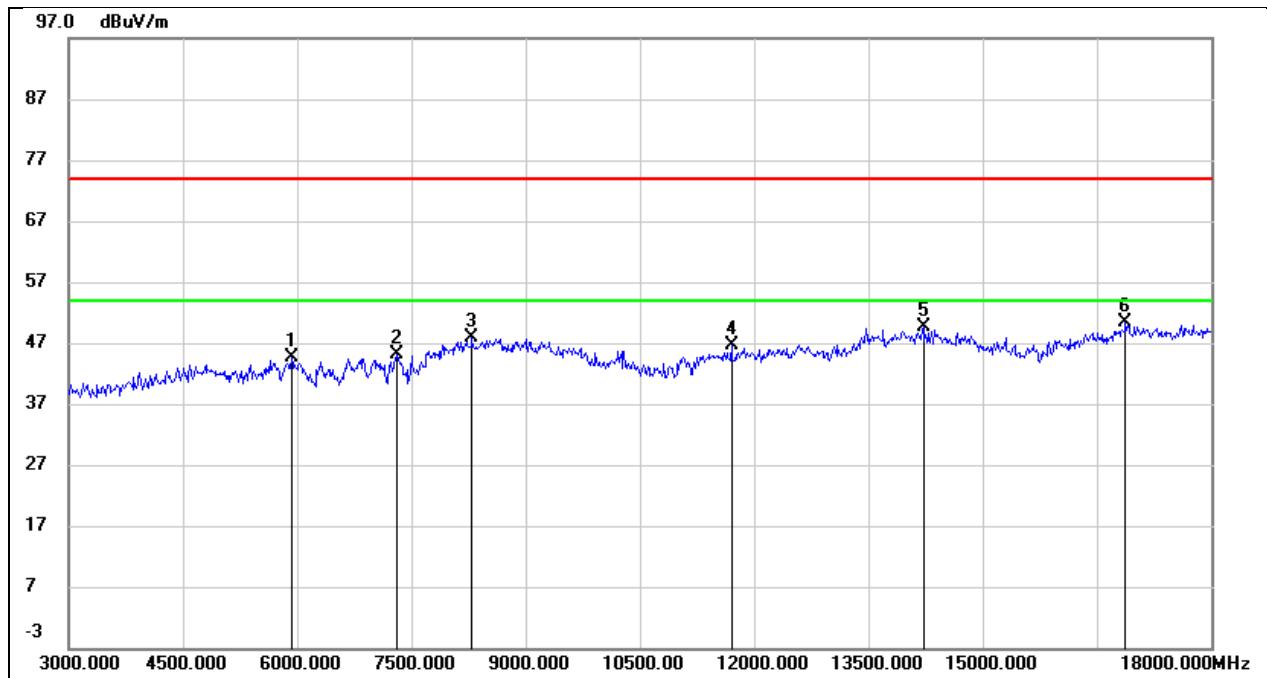
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 6030.000 | 39.94 | 4.25 | 44.19 | 74.00 | -29.81 | peak |
| 2 | 7500.000 | 37.02 | 7.89 | 44.91 | 74.00 | -29.09 | peak |
| 3 | 8700.000 | 38.41 | 9.95 | 48.36 | 74.00 | -25.64 | peak |
| 4 | 12330.000 | 30.59 | 17.93 | 48.52 | 74.00 | -25.48 | peak |
| 5 | 14025.000 | 28.32 | 22.20 | 50.52 | 74.00 | -23.48 | peak |
| 6 | 16920.000 | 25.15 | 25.08 | 50.23 | 74.00 | -23.77 | peak |

| | | | |
|------------|------------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2480 |
| Polarity: | Horizontal | Test Voltage: | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 5715.000 | 40.43 | 2.55 | 42.98 | 74.00 | -31.02 | peak |
| 2 | 7200.000 | 37.56 | 6.89 | 44.45 | 74.00 | -29.55 | peak |
| 3 | 9105.000 | 38.58 | 10.66 | 49.24 | 74.00 | -24.76 | peak |
| 4 | 12660.000 | 27.80 | 19.12 | 46.92 | 74.00 | -27.08 | peak |
| 5 | 13920.000 | 25.93 | 23.45 | 49.38 | 74.00 | -24.62 | peak |
| 6 | 17970.000 | 20.30 | 29.33 | 49.63 | 74.00 | -24.37 | peak |

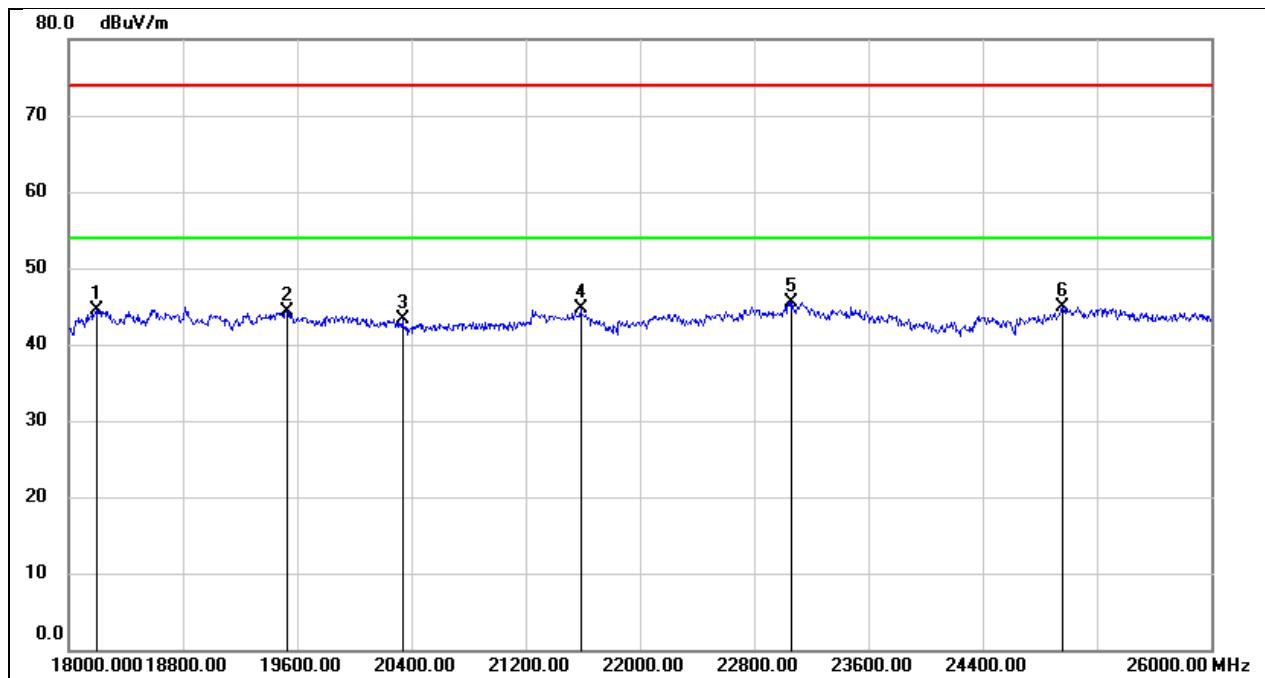
| | | | |
|------------|----------|-----------------|---------|
| Test Mode: | ZigBee | Frequency(MHz): | 2480 |
| Polarity: | Vertical | Test Voltage: | DC 3.3V |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 5925.000 | 40.51 | 4.02 | 44.53 | 74.00 | -29.47 | peak |
| 2 | 7305.000 | 37.39 | 7.68 | 45.07 | 74.00 | -28.93 | peak |
| 3 | 8295.000 | 38.63 | 9.26 | 47.89 | 74.00 | -26.11 | peak |
| 4 | 11700.000 | 29.73 | 16.98 | 46.71 | 74.00 | -27.29 | peak |
| 5 | 14220.000 | 27.29 | 22.22 | 49.51 | 74.00 | -24.49 | peak |
| 6 | 16875.000 | 25.42 | 25.02 | 50.44 | 74.00 | -23.56 | peak |

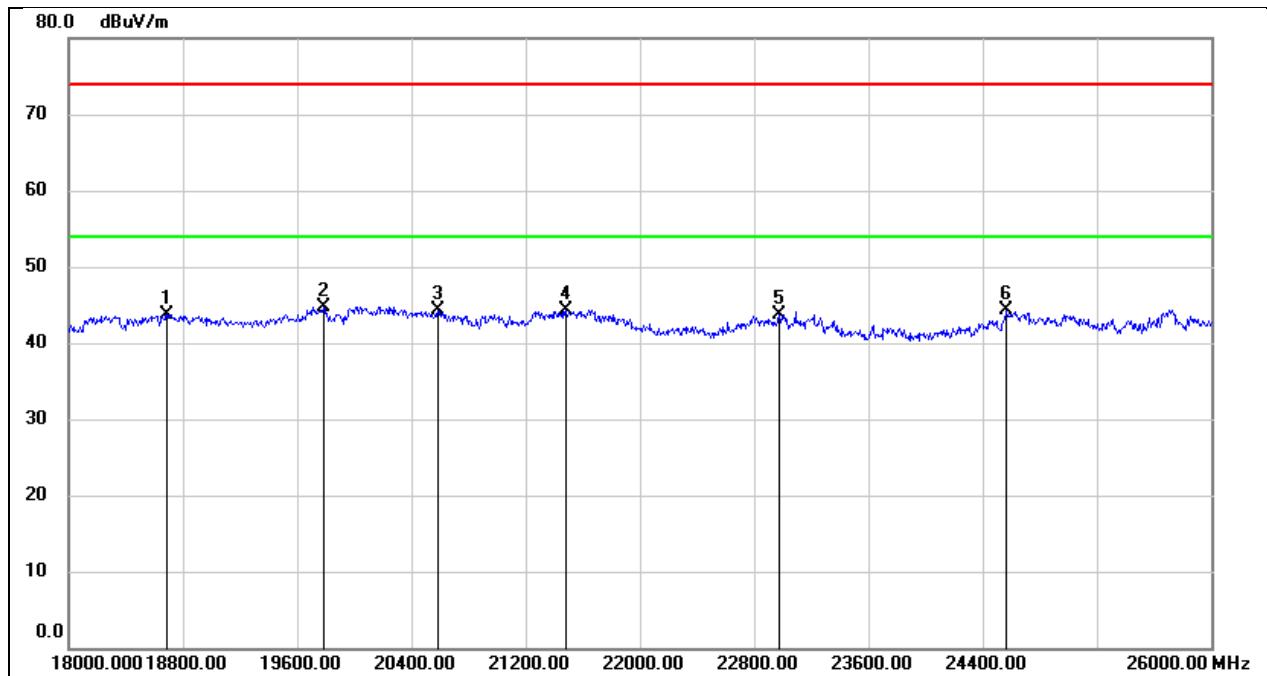
8.4. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 18192.000 | 49.98 | -5.51 | 44.47 | 74.00 | -29.53 | peak |
| 2 | 19528.000 | 49.87 | -5.52 | 44.35 | 74.00 | -29.65 | peak |
| 3 | 20336.000 | 48.74 | -5.52 | 43.22 | 74.00 | -30.78 | peak |
| 4 | 21584.000 | 49.19 | -4.56 | 44.63 | 74.00 | -29.37 | peak |
| 5 | 23064.000 | 48.99 | -3.42 | 45.57 | 74.00 | -28.43 | peak |
| 6 | 24960.000 | 47.14 | -2.14 | 45.00 | 74.00 | -29.00 | peak |

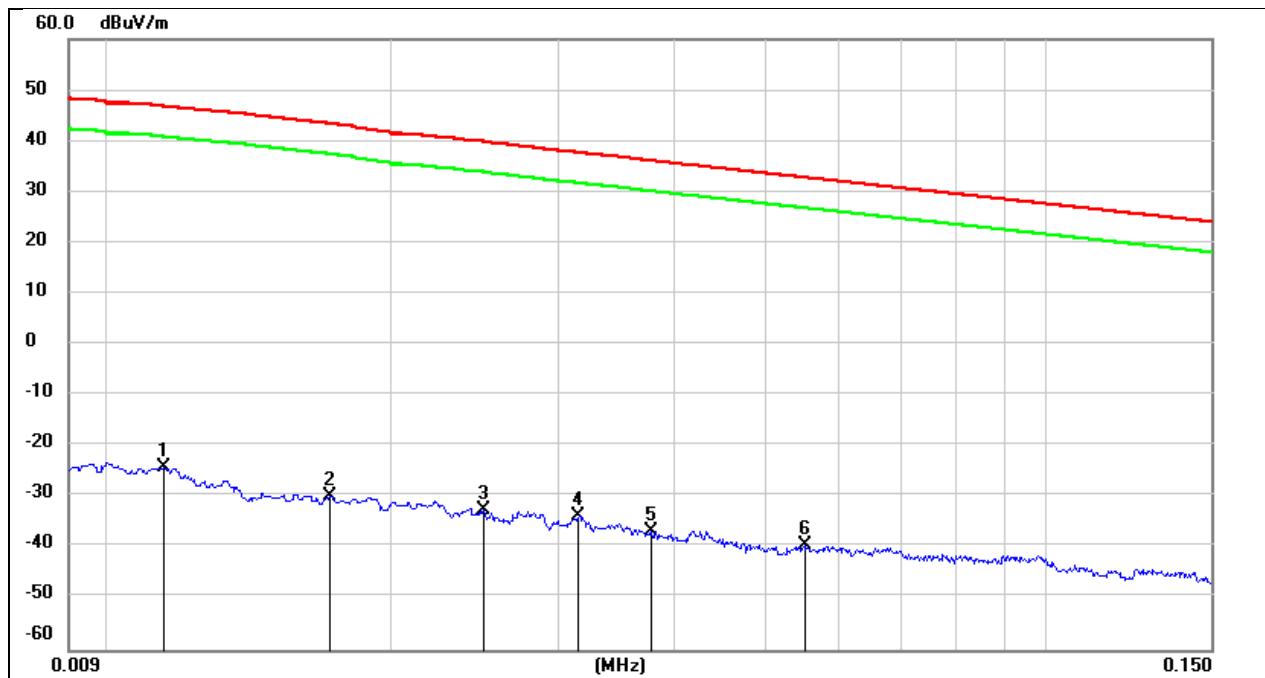
| | | | |
|------------|----------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 18688.000 | 49.11 | -5.38 | 43.73 | 74.00 | -30.27 | peak |
| 2 | 19784.000 | 50.07 | -5.28 | 44.79 | 74.00 | -29.21 | peak |
| 3 | 20584.000 | 49.50 | -5.27 | 44.23 | 74.00 | -29.77 | peak |
| 4 | 21480.000 | 48.99 | -4.70 | 44.29 | 74.00 | -29.71 | peak |
| 5 | 22976.000 | 47.26 | -3.46 | 43.80 | 74.00 | -30.20 | peak |
| 6 | 24568.000 | 46.60 | -2.33 | 44.27 | 74.00 | -29.73 | peak |

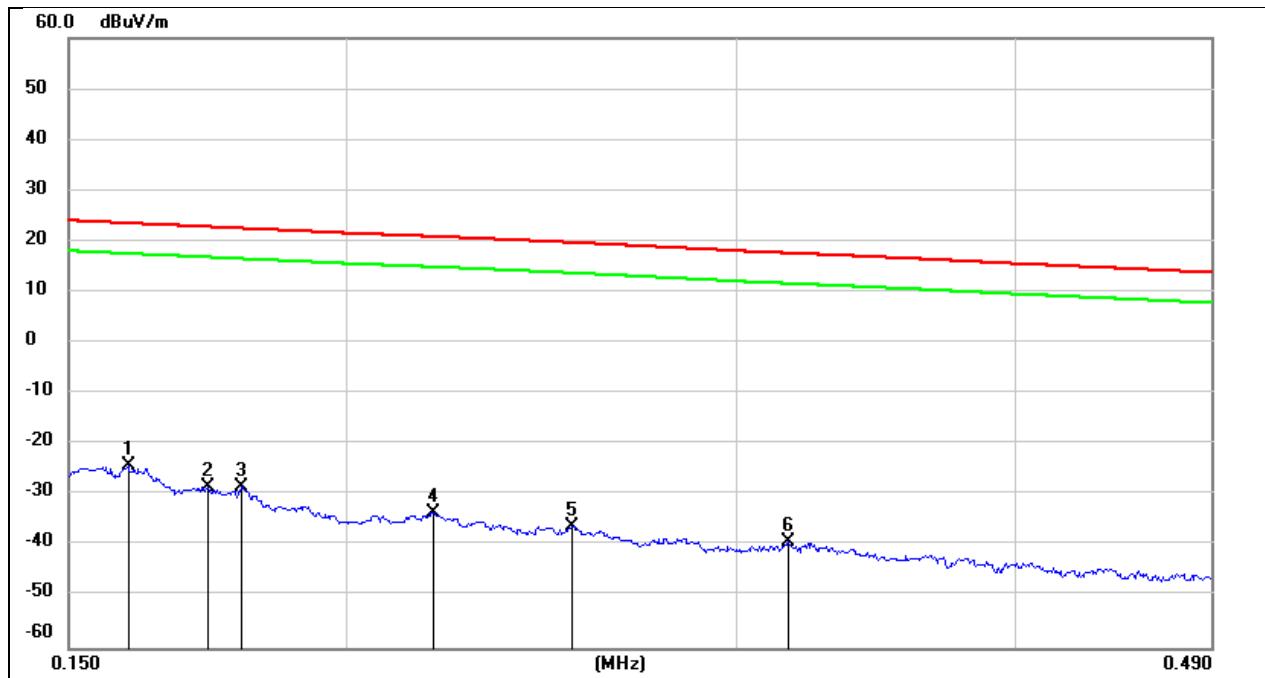
8.5. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



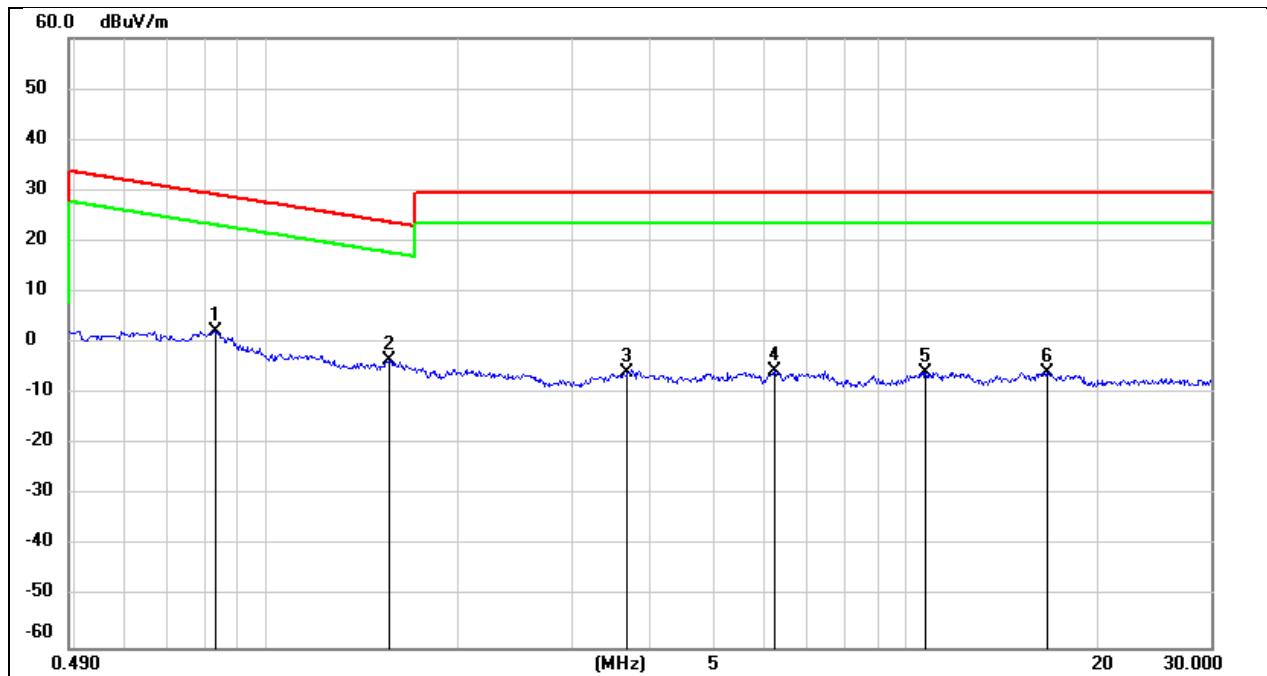
| No. | Frequency (KHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 0.0114 | 77.38 | -101.40 | -24.02 | 46.76 | -70.78 | peak |
| 2 | 0.0171 | 71.38 | -101.36 | -29.98 | 43.33 | -73.31 | peak |
| 3 | 0.0250 | 68.79 | -101.37 | -32.58 | 39.82 | -72.40 | peak |
| 4 | 0.0316 | 67.74 | -101.40 | -33.66 | 37.66 | -71.32 | peak |
| 5 | 0.0378 | 64.75 | -101.42 | -36.67 | 36.11 | -72.78 | peak |
| 6 | 0.0551 | 61.95 | -101.50 | -39.55 | 32.81 | -72.36 | peak |

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (KHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 0.1595 | 77.36 | -101.65 | -24.29 | 23.55 | -47.84 | peak |
| 2 | 0.1733 | 73.42 | -101.67 | -28.25 | 22.84 | -51.09 | peak |
| 3 | 0.1794 | 73.27 | -101.68 | -28.41 | 22.53 | -50.94 | peak |
| 4 | 0.2190 | 68.27 | -101.75 | -33.48 | 20.91 | -54.39 | peak |
| 5 | 0.2530 | 65.64 | -101.80 | -36.16 | 19.71 | -55.87 | peak |
| 6 | 0.3163 | 62.70 | -101.87 | -39.17 | 17.65 | -56.82 | peak |

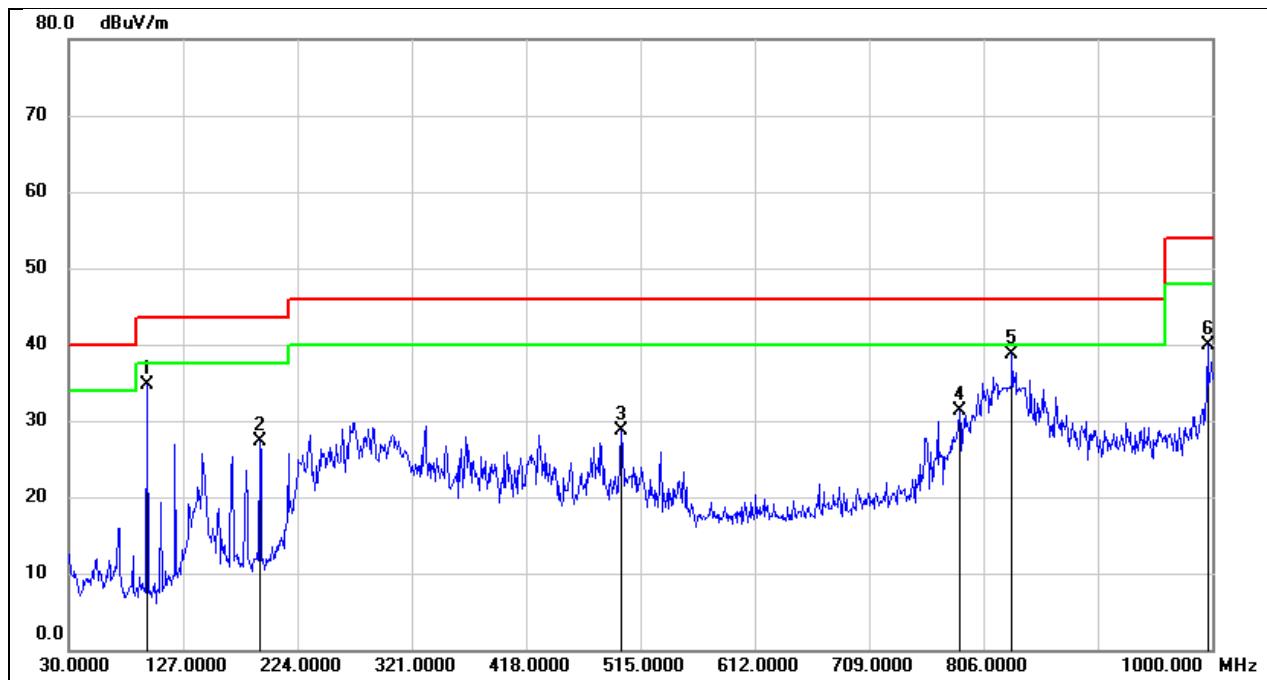
| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 0.8296 | 64.44 | -62.17 | 2.27 | 29.24 | -26.97 | peak |
| 2 | 1.5564 | 58.68 | -62.02 | -3.34 | 23.76 | -27.10 | peak |
| 3 | 3.6770 | 55.54 | -61.41 | -5.87 | 29.54 | -35.41 | peak |
| 4 | 6.2445 | 55.63 | -61.32 | -5.69 | 29.54 | -35.23 | peak |
| 5 | 10.7299 | 54.98 | -60.83 | -5.85 | 29.54 | -35.39 | peak |
| 6 | 16.6021 | 55.02 | -60.96 | -5.94 | 29.54 | -35.48 | peak |

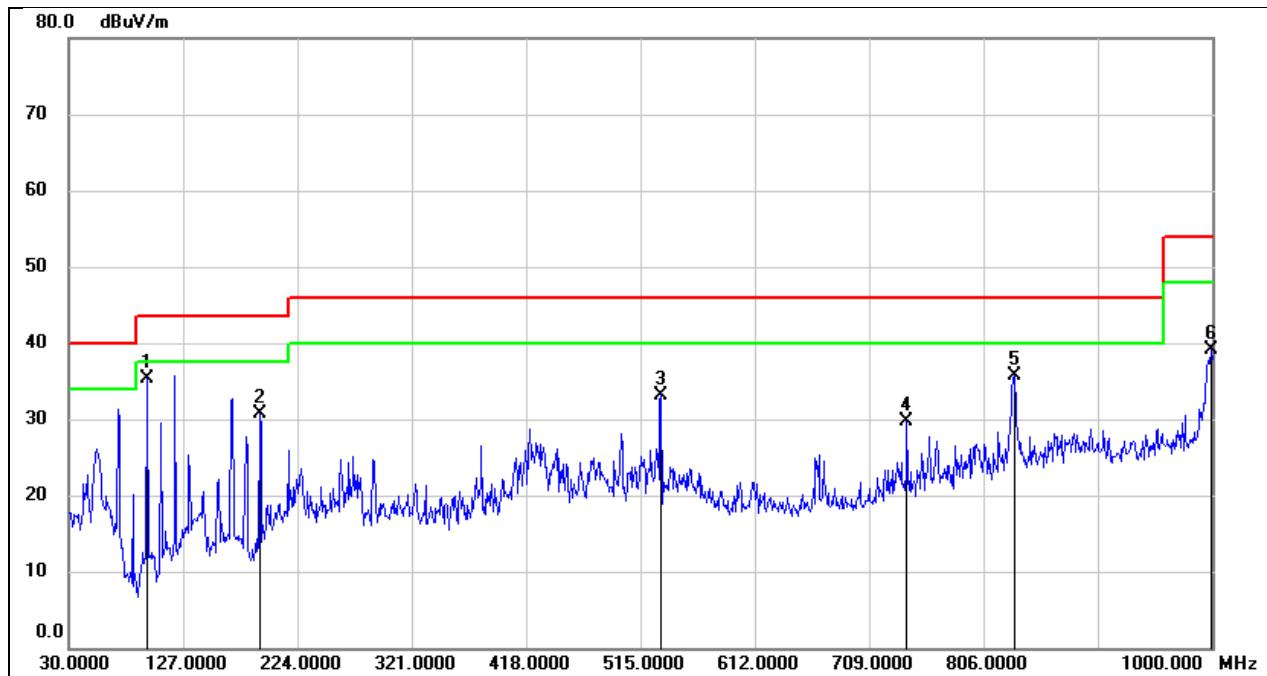
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

| | | | |
|------------|------------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 95.9600 | 50.97 | -16.36 | 34.61 | 43.50 | -8.89 | QP |
| 2 | 191.9900 | 39.29 | -12.00 | 27.29 | 43.50 | -16.21 | QP |
| 3 | 498.5100 | 36.41 | -7.71 | 28.70 | 46.00 | -17.30 | QP |
| 4 | 785.6300 | 34.16 | -2.86 | 31.30 | 46.00 | -14.70 | QP |
| 5 | 830.2500 | 40.66 | -1.89 | 38.77 | 46.00 | -7.23 | QP |
| 6 | 996.1200 | 40.17 | -0.17 | 40.00 | 54.00 | -14.00 | QP |

| | | | |
|------------|----------|-----------------|--------------|
| Test Mode: | SDR 2.4G | Frequency(MHz): | 2410 |
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1 | 95.9600 | 51.68 | -16.36 | 35.32 | 43.50 | -8.18 | QP |
| 2 | 191.9900 | 42.72 | -12.00 | 30.72 | 43.50 | -12.78 | QP |
| 3 | 532.4600 | 40.45 | -7.25 | 33.20 | 46.00 | -12.80 | QP |
| 4 | 741.0100 | 33.38 | -3.63 | 29.75 | 46.00 | -16.25 | QP |
| 5 | 832.1900 | 37.62 | -1.82 | 35.80 | 46.00 | -10.20 | QP |
| 6 | 999.0300 | 39.18 | -0.15 | 39.03 | 54.00 | -14.97 | QP |

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

END OF REPORT