

# TEST REPORT

**Applicant:** Shenzhen Sunricher Technology Limited

**Address of Applicant:** 3rd Floor, B building, Jia'an Industrial Building, Liu Xian Third road, No.72 area, Xin'an Street, Baoan District, Shenzhen, China

**Manufacturer/ Factory:** Shenzhen Sunricher Technology Limited

**Address of Manufacturer/ Factory:** 3rd Floor, B building, Jia'an Industrial Building, Liu Xian Third road, No.72 area, Xin'an Street, Baoan District, Shenzhen, China

**Equipment Under Test (EUT)**

Product Name: Micro Smart Dimmer

Model No.: SR-ZG9041A-D, HL-SL-DIM-B, SR-XX9041A-D, ['X' ,can be any alphanumeric character or blank, stands for different for marketing purpose]

**FCC ID:** 2AHST-904X

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

**Date of sample receipt:** July 31, 2024

**Date of Test:** July 31, 2024-August 19, 2024

**Date of report issued:** August 19, 2024

**Test Result :** PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



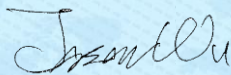
**Robinson Luo**  
**Laboratory Manager**

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## 2 Version

| Version No. | Date            | Description |
|-------------|-----------------|-------------|
| 00          | August 19, 2024 | Original    |
|             |                 |             |
|             |                 |             |
|             |                 |             |
|             |                 |             |

Prepared By:

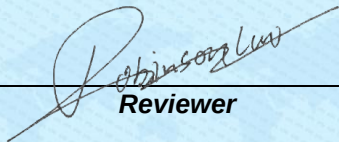


Date:

August 19, 2024

Project Engineer

Check By:



Reviewer

Date:

August 19, 2024

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## 4 Test Summary

| Test Item                        | Section in CFR 47 | Result |
|----------------------------------|-------------------|--------|
| Antenna requirement              | 15.203/15.247 (c) | Pass   |
| AC Power Line Conducted Emission | 15.207            | Pass   |
| Conducted Peak Output Power      | 15.247 (b)(3)     | Pass   |
| Channel Bandwidth                | 15.247 (a)(2)     | Pass   |
| Power Spectral Density           | 15.247 (e)        | Pass   |
| Band Edge                        | 15.247(d)         | Pass   |
| Spurious Emission                | 15.205/15.209     | Pass   |

Pass: The EUT complies with the essential requirements in the standard.

Remark: Test according to ANSI C63.10:2013

### 4.1 Measurement Uncertainty

| No. | Item                             | Measurement Uncertainty               |
|-----|----------------------------------|---------------------------------------|
| 1   | Radio Frequency                  | $\pm 7.25 \times 10^{-8}$             |
| 2   | Duty cycle                       | $\pm 0.37\%$                          |
| 3   | Occupied Bandwidth               | $\pm 3\%$                             |
| 4   | RF conducted power               | $\pm 0.75\text{dB}$                   |
| 5   | RF power density                 | $\pm 3\text{dB}$                      |
| 6   | Conducted Spurious emissions     | $\pm 2.58\text{dB}$                   |
| 7   | AC Power Line Conducted Emission | $\pm 3.44\text{dB}$ (0.15MHz ~ 30MHz) |
| 8   | Radiated Spurious emission test  | $\pm 3.1\text{dB}$ (9kHz-30MHz)       |
|     |                                  | $\pm 3.8039\text{dB}$ (30MHz-200MHz)  |
|     |                                  | $\pm 3.9679\text{dB}$ (200MHz-1GHz)   |
|     |                                  | $\pm 4.29\text{dB}$ (1GHz-18GHz)      |
|     |                                  | $\pm 3.30\text{dB}$ (18GHz-40GHz)     |
| 9   | Temperature test                 | $\pm 1^\circ\text{C}$                 |
| 10  | Humidity test                    | $\pm 3\%$                             |
| 11  | Time                             | $\pm 3\%$                             |

## 5 General Information

### 5.1 General Description of EUT

|                                                                                                                                                                                        |                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:                                                                                                                                                                          | Micro Smart Dimmer                                                                                                                     |
| Model No.:                                                                                                                                                                             | SR-ZG9041A-D, HL-SL-DIM-B, SR-XX9041A-D, ['X' ,can be any alphanumeric character or blank, stands for different for marketing purpose] |
| Test Model No.:                                                                                                                                                                        | SR-ZG9041A-D                                                                                                                           |
| Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are appearance color and model name for commercial purpose. |                                                                                                                                        |
| Test sample(s) ID:                                                                                                                                                                     | GTS2024070476-1                                                                                                                        |
| Sample(s) Status                                                                                                                                                                       | Engineer sample                                                                                                                        |
| S/N:                                                                                                                                                                                   | N/A                                                                                                                                    |
| Operation Frequency:                                                                                                                                                                   | 2405MHz~2480MHz                                                                                                                        |
| Channel numbers:                                                                                                                                                                       | 16                                                                                                                                     |
| Channel separation:                                                                                                                                                                    | 5MHz                                                                                                                                   |
| Modulation type:                                                                                                                                                                       | O-QPSK                                                                                                                                 |
| Antenna Type:                                                                                                                                                                          | Internal Antenna                                                                                                                       |
| Antenna gain:                                                                                                                                                                          | -1.03dBi(Declared by applicant)                                                                                                        |
| Power supply:                                                                                                                                                                          | AC 100~240V 50/60Hz 200W                                                                                                               |

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

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

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel             | Frequency |
|---------------------|-----------|
| The lowest channel  | 2405MHz   |
| The middle channel  | 2445MHz   |
| The Highest channel | 2480MHz   |

## 5.2 Test mode

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Transmitting mode | Keep the EUT in continuously transmitting mode. |
|-------------------|-------------------------------------------------|

## 5.3 Description of Support Units

| Manufacturer | Description             | Model | Serial Number |
|--------------|-------------------------|-------|---------------|
| Sunricher    | switch                  | N/A   | N/A           |
| Sunricher    | incandescent light bulb | N/A   | N/A           |

## 5.4 Deviation from Standards

|       |
|-------|
| None. |
|-------|

## 5.5 Abnormalities from Standard Conditions

|       |
|-------|
| None. |
|-------|

## 5.6 Test Facility

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"><li>● <b>FCC—Registration No.: 381383</b><br/>Designation Number: CN5029<br/>Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.</li><li>● <b>ISED—Registration No.: 9079A</b><br/>CAB identifier: CN0091<br/>The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing</li><li>● <b>NVLAP (LAB CODE:600179-0)</b><br/>Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).</li></ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5.7 Test Location

|                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All tests were performed at:                                                                                                                                                                                                                        |
| Global United Technology Services Co., Ltd.<br>Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102<br>Tel: 0755-27798480<br>Fax: 0755-27798960 |

## 5.8 Additional instructions

|                   |                                               |
|-------------------|-----------------------------------------------|
| Test Software     | Special test command provided by manufacturer |
| Power level setup | Default                                       |

## 6 Test Instruments list

| Radiated Emission: |                                     |                                |                       |               |                     |                         |
|--------------------|-------------------------------------|--------------------------------|-----------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment                      | Manufacturer                   | Model No.             | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | 3m Semi- Anechoic Chamber           | ZhongYu Electron               | 9.2(L)*6.2(W)* 6.4(H) | GTS250        | June 22, 2024       | June 21, 2027           |
| 2                  | Control Room                        | ZhongYu Electron               | 6.2(L)*2.5(W)* 2.4(H) | GTS251        | N/A                 | N/A                     |
| 3                  | EMI Test Receiver                   | Rohde & Schwarz                | ESU26                 | GTS203        | April 11, 2024      | April 10, 2025          |
| 4                  | BiConiLog Antenna                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9168              | GTS640        | March 19, 2023      | March 18, 2025          |
| 5                  | Double -ridged waveguide horn       | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D           | GTS208        | April 17, 2023      | April 16, 2025          |
| 6                  | EMI Test Software                   | AUDIX                          | E3                    | N/A           | N/A                 | N/A                     |
| 7                  | Wideband Radio Communication Tester | Rohde & Schwarz                | CMW500                | GTS575        | April 11, 2024      | April 10, 2025          |
| 8                  | Loop Antenna                        | ZHINAN                         | ZN30900A              | GTS534        | Nov. 13, 2023       | Nov.12, 2024            |
| 9                  | Broadband Preamplifier              | SCHWARZBECK                    | BBV9718               | GTS535        | April 11, 2024      | April 10, 2025          |
| 10                 | Amplifier(1GHz-26.5GHz)             | HP                             | 8449B                 | GTS601        | April 11, 2024      | April 10, 2025          |
| 11                 | Horn Antenna (18-26.5GHz)           | /                              | UG-598A/U             | GTS664        | Oct. 29, 2023       | Oct. 28, 2024           |
| 12                 | Horn Antenna (26.5-40GHz)           | A.H Systems                    | SAS-573               | GTS665        | Oct. 29, 2023       | Oct. 28, 2024           |
| 13                 | FSV·Signal Analyzer (10Hz-40GHz)    | Keysight                       | FSV-40-N              | GTS666        | March 12, 2024      | March 11, 2025          |
| 14                 | Amplifier                           | /                              | LNA-1000-30S          | GTS650        | April 11, 2024      | April 10, 2025          |
| 15                 | CDNE M2+M3-16A                      | HCT                            | 30MHz-300MHz          | GTS692        | Nov. 08, 2023       | Nov.07, 2024            |
| 16                 | Wideband Amplifier                  | /                              | WDA-01004000-15P35    | GTS602        | April 11, 2024      | April 10, 2025          |
| 17                 | Thermo meter                        | JINCHUANG                      | GSP-8A                | GTS643        | April 18, 2024      | April 17, 2025          |
| 18                 | RE cable 1                          | GTS                            | N/A                   | GTS675        | July 02. 2024       | July 01. 2025           |
| 19                 | RE cable 2                          | GTS                            | N/A                   | GTS676        | July 02. 2024       | July 01. 2025           |
| 20                 | RE cable 3                          | GTS                            | N/A                   | GTS677        | July 02. 2024       | July 01. 2025           |
| 21                 | RE cable 4                          | GTS                            | N/A                   | GTS678        | July 02. 2024       | July 01. 2025           |
| 22                 | RE cable 5                          | GTS                            | N/A                   | GTS679        | July 02. 2024       | July 01. 2025           |
| 23                 | RE cable 6                          | GTS                            | N/A                   | GTS680        | July 02. 2024       | July 01. 2025           |
| 24                 | RE cable 7                          | GTS                            | N/A                   | GTS681        | July 05. 2024       | July 04. 2025           |
| 25                 | RE cable 8                          | GTS                            | N/A                   | GTS682        | July 05. 2024       | July 04. 2025           |

| Conducted Emission |                      |                         |                      |               |                     |                         |
|--------------------|----------------------|-------------------------|----------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment       | Manufacturer            | Model No.            | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | Shielding Room       | ZhongYu Electron        | 7.3(L)x3.1(W)x2.9(H) | GTS252        | July 12, 2022       | July 11, 2027           |
| 2                  | EMI Test Receiver    | R&S                     | ESCI 7               | GTS552        | April 11, 2024      | April 10, 2025          |
| 3                  | LISN                 | ROHDE & SCHWARZ         | ENV216               | GTS226        | April 11, 2024      | April 10, 2025          |
| 4                  | Coaxial Cable        | GTS                     | N/A                  | GTS227        | N/A                 | N/A                     |
| 5                  | EMI Test Software    | AUDIX                   | E3                   | N/A           | N/A                 | N/A                     |
| 6                  | Thermo meter         | JINCHUANG               | GSP-8A               | GTS642        | April 18, 2024      | April 17, 2025          |
| 7                  | Absorbing clamp      | Elektronik-Feinmechanik | MDS21                | GTS229        | April 11, 2024      | April 10, 2025          |
| 8                  | ISN                  | SCHWARZBECK             | NTFM 8158            | GTS565        | April 11, 2024      | April 10, 2025          |
| 9                  | High voltage probe   | SCHWARZBECK             | TK9420               | GTS537        | April 11, 2024      | April 10, 2025          |
| 10                 | Antenna end assembly | Weinschel               | 1870A                | GTS560        | April 11, 2024      | April 10, 2025          |

| RF Conducted Test: |                                                |              |                  |            |                     |                         |
|--------------------|------------------------------------------------|--------------|------------------|------------|---------------------|-------------------------|
| Item               | Test Equipment                                 | Manufacturer | Model No.        | Serial No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | MXA Signal Analyzer                            | Agilent      | N9020A           | GTS566     | April 11, 2024      | April 10, 2025          |
| 2                  | EMI Test Receiver                              | R&S          | ESCI 7           | GTS552     | April 11, 2024      | April 10, 2025          |
| 3                  | PSA Series Spectrum Analyzer                   | Agilent      | E4440A           | GTS536     | April 11, 2024      | April 10, 2025          |
| 4                  | MXG vector Signal Generator                    | Agilent      | N5182A           | GTS567     | April 11, 2024      | April 10, 2025          |
| 5                  | ESG Analog Signal Generator                    | Agilent      | E4428C           | GTS568     | April 11, 2024      | April 10, 2025          |
| 6                  | USB RF Power Sensor                            | DARE         | RPR3006W         | GTS569     | April 11, 2024      | April 10, 2025          |
| 7                  | RF Switch Box                                  | Shongyi      | RFSW3003328      | GTS571     | April 11, 2024      | April 10, 2025          |
| 8                  | Programmable Constant Temp & Humi Test Chamber | WEWON        | WHTH-150L-40-880 | GTS572     | April 11, 2024      | April 10, 2025          |
| 9                  | Thermo meter                                   | JINCHUANG    | GSP-8A           | GTS641     | April 18, 2024      | April 17, 2025          |

| General used equipment: |                |              |           |               |                     |                         |
|-------------------------|----------------|--------------|-----------|---------------|---------------------|-------------------------|
| Item                    | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                       | Barometer      | KUMAO        | SF132     | GTS647        | April 18, 2024      | April 17, 2025          |

## 7 Test results and Measurement Data

### 7.1 Antenna requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FCC Part15 C Section 15.203 /247(c) |
| <b>15.203 requirement:</b><br>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, 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. |                                     |
| <b>15.247(c) (1)(i) requirement:</b><br>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.                                                                                |                                     |
| <b>EUT Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |
| The antenna is external antenna, reference to the appendix II for details.                                                                                                                                                                                                                                                                                                                                                                                                       |                                     |

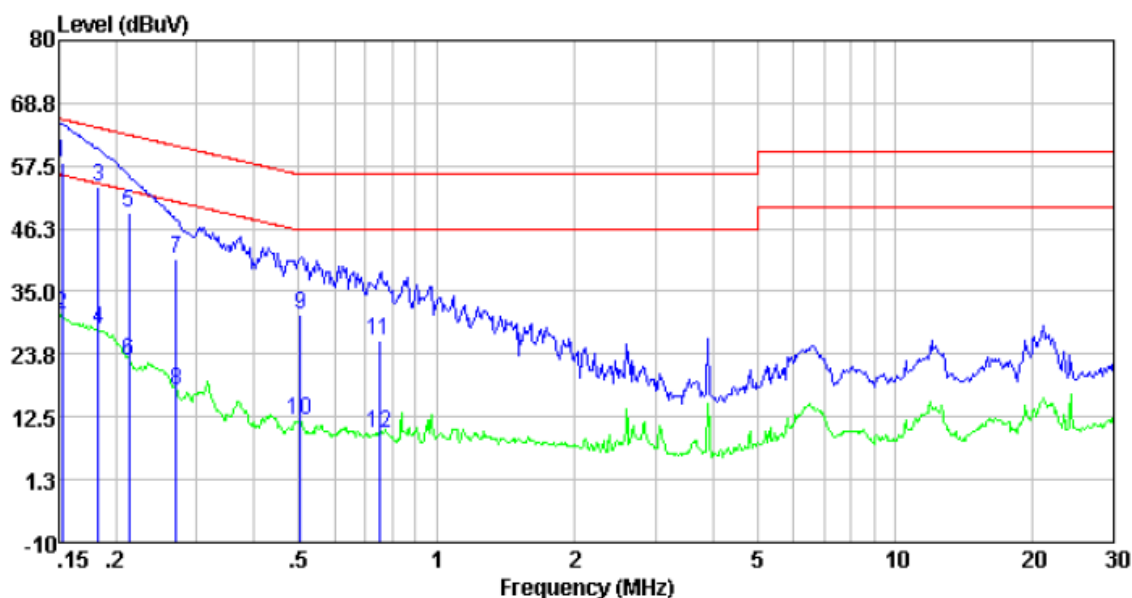
## 7.2 Conducted Emissions

|                                                  |                                                                                                                                                                                              |       |              |     |                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----|------------------|
| Test Requirement:                                | FCC Part15 C Section 15.207                                                                                                                                                                  |       |              |     |                  |
| Test Method:                                     | ANSI C63.10:2013                                                                                                                                                                             |       |              |     |                  |
| Test Frequency Range:                            | 150KHz to 30MHz                                                                                                                                                                              |       |              |     |                  |
| Receiver setup:                                  | RBW=9KHz, VBW=30KHz, Sweep time=auto                                                                                                                                                         |       |              |     |                  |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                        |       | Limit (dBuV) |     |                  |
|                                                  |                                                                                                                                                                                              |       | Quasi-peak   |     | Average          |
|                                                  | 0.15-0.5                                                                                                                                                                                     |       | 66 to 56*    |     | 56 to 46*        |
|                                                  | 0.5-5                                                                                                                                                                                        |       | 56           |     | 46               |
|                                                  | 5-30                                                                                                                                                                                         |       | 60           |     | 50               |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                              |       |              |     |                  |
| Test setup:                                      | <div><p style="text-align: center;"><b>Reference Plane</b></p><p>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p></div> |       |              |     |                  |
| Test Instruments:                                | Refer to section 6.0 for details                                                                                                                                                             |       |              |     |                  |
| Test mode:                                       | Refer to section 5.2 for details                                                                                                                                                             |       |              |     |                  |
| Test environment:                                | Temp.:                                                                                                                                                                                       | 25 °C | Humid.:      | 52% | Press.: 1012mbar |
| Test voltage:                                    | AC 120V, 60Hz                                                                                                                                                                                |       |              |     |                  |
| Test results:                                    | Pass                                                                                                                                                                                         |       |              |     |                  |

## Measurement data

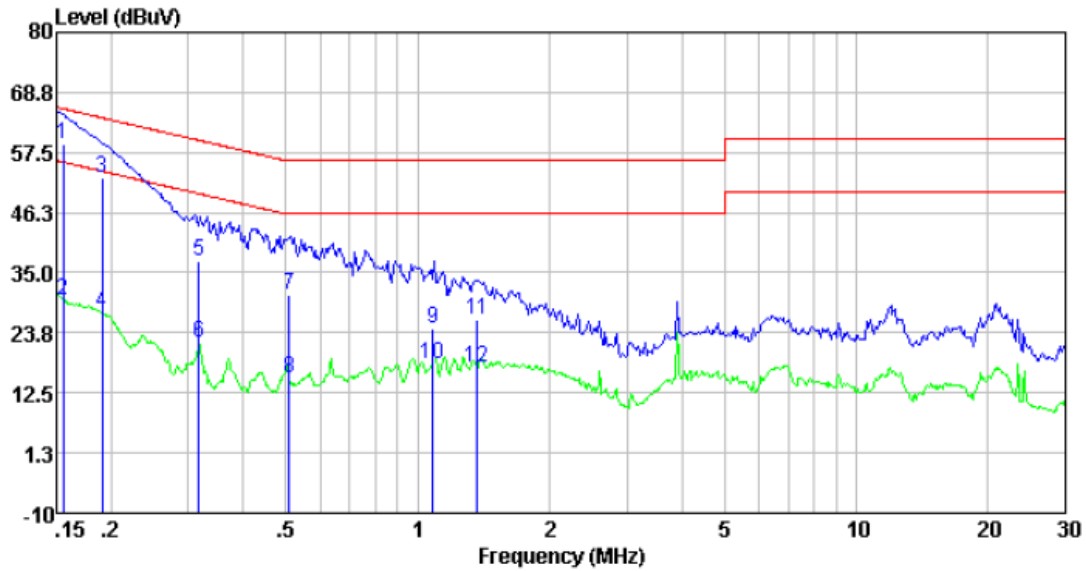
Pre-scan all test modes, found worst case at 2405MHz, and so only show the test result of it.

Line



| Freq | Reading | LISN/ISN | Cable | Level | Limit | Over   | Remark  |
|------|---------|----------|-------|-------|-------|--------|---------|
| MHz  | dBuV    | dB       | dB    | dBuV  | dBuV  | dB     |         |
| 0.15 | 48.40   | 9.56     | 0.01  | 57.97 | 65.85 | -7.88  | QP      |
| 0.15 | 21.13   | 9.56     | 0.01  | 30.70 | 55.85 | -25.15 | Average |
| 0.18 | 44.27   | 9.53     | 0.01  | 53.81 | 64.37 | -10.56 | QP      |
| 0.18 | 18.57   | 9.53     | 0.01  | 28.11 | 54.37 | -26.26 | Average |
| 0.21 | 39.43   | 9.52     | 0.01  | 48.96 | 63.10 | -14.14 | QP      |
| 0.21 | 13.05   | 9.52     | 0.01  | 22.58 | 53.10 | -30.52 | Average |
| 0.27 | 31.36   | 9.50     | 0.01  | 40.87 | 61.12 | -20.25 | QP      |
| 0.27 | 7.65    | 9.50     | 0.01  | 17.16 | 51.12 | -33.96 | Average |
| 0.50 | 21.30   | 9.49     | 0.01  | 30.80 | 56.00 | -25.20 | QP      |
| 0.50 | 2.34    | 9.49     | 0.01  | 11.84 | 46.00 | -34.16 | Average |
| 0.75 | 16.67   | 9.50     | 0.02  | 26.19 | 56.00 | -29.81 | QP      |
| 0.75 | 0.02    | 9.50     | 0.02  | 9.54  | 46.00 | -36.46 | Average |

Neutral

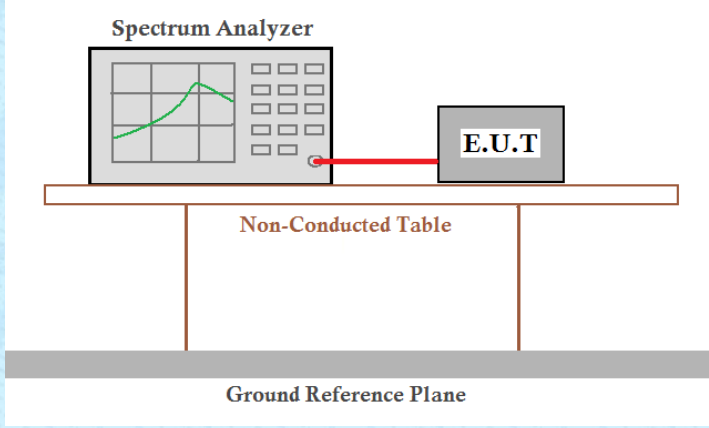


| Freq | Reading | LISN/ISN | Cable | Level | Limit | Over   | Remark  |
|------|---------|----------|-------|-------|-------|--------|---------|
| MHz  | dBuV    | dB       | dB    | dBuV  | dBuV  | dB     |         |
| 0.16 | 49.40   | 9.55     | 0.01  | 58.96 | 65.72 | -6.76  | QP      |
| 0.16 | 20.16   | 9.55     | 0.01  | 29.72 | 55.72 | -26.00 | Average |
| 0.19 | 43.25   | 9.56     | 0.01  | 52.82 | 64.02 | -11.20 | QP      |
| 0.19 | 18.01   | 9.56     | 0.01  | 27.58 | 54.02 | -26.44 | Average |
| 0.32 | 27.53   | 9.56     | 0.01  | 37.10 | 59.80 | -22.70 | QP      |
| 0.32 | 12.17   | 9.56     | 0.01  | 21.74 | 49.80 | -28.06 | Average |
| 0.51 | 21.19   | 9.57     | 0.01  | 30.77 | 56.00 | -25.23 | QP      |
| 0.51 | 5.51    | 9.57     | 0.01  | 15.09 | 46.00 | -30.91 | Average |
| 1.08 | 15.04   | 9.55     | 0.03  | 24.62 | 56.00 | -31.38 | QP      |
| 1.08 | 8.39    | 9.55     | 0.03  | 17.97 | 46.00 | -28.03 | Average |
| 1.37 | 16.60   | 9.55     | 0.04  | 26.19 | 56.00 | -29.81 | QP      |
| 1.37 | 7.58    | 9.55     | 0.04  | 17.17 | 46.00 | -28.83 | Average |

Notes:

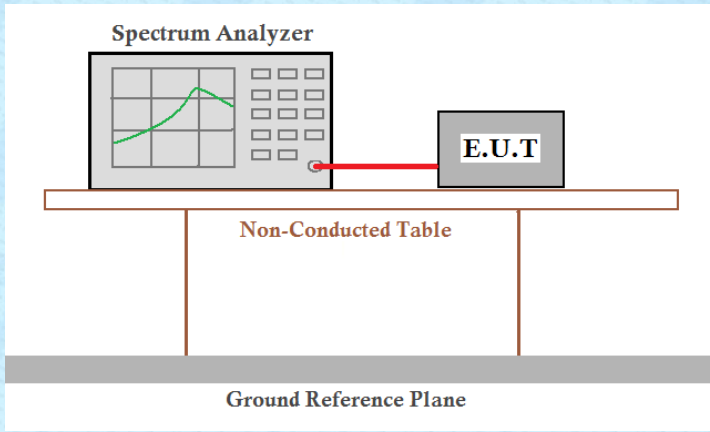
1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

## 7.3 Conducted Peak Output Power

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Limit:            | 30dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer, shown with a green trace on its screen, is connected to an E.U.T. (Equipment Under Test) by a red cable. Both the Spectrum Analyzer and the E.U.T. are positioned on a table labeled 'Non-Conducted Table'. This table is supported by two vertical legs and sits on a 'Ground Reference Plane', which is represented by a thick grey horizontal bar at the bottom of the setup.</p> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

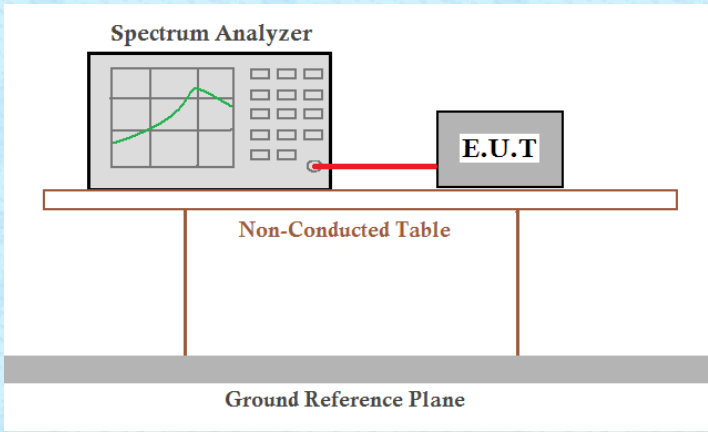
**Measurement Data:** The detailed test data see Appendix for ZigBee.

## 7.4 Channel Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2)                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                                                                |
| Limit:            | >500KHz                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer, showing a frequency spectrum on its screen, is connected to an E.U.T (Equipment Under Test) box by a red cable. Both the Spectrum Analyzer and the E.U.T are positioned on a table labeled 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.</p> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                                                                |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Measurement Data:** The detailed test data see Appendix for ZigBee.

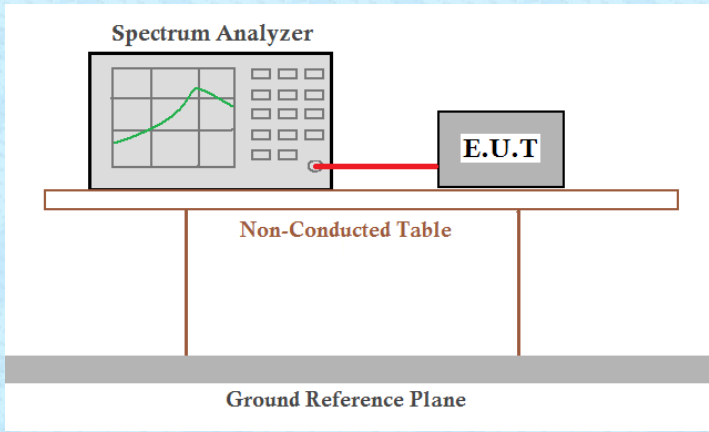
## 7.5 Power Spectral Density

|                   |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)                                                                                                                                                                                                                                                                                                                           |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                          |
| Limit:            | 8dBm/3kHz                                                                                                                                                                                                                                                                                                                                                 |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                          |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                          |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                      |

**Measurement Data:** The detailed test data see Appendix for ZigBee.

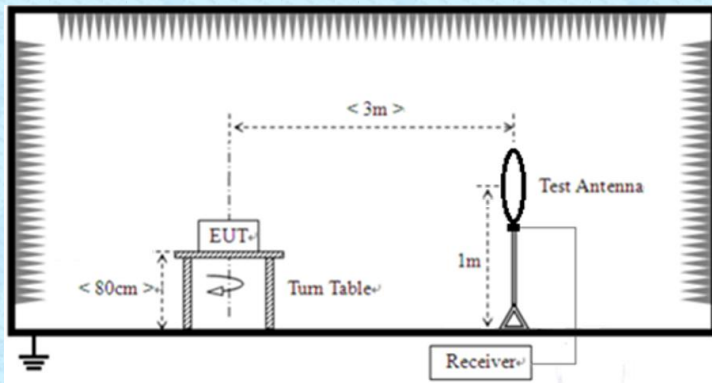
## 7.6 Spurious Emission in Non-restricted & restricted Bands

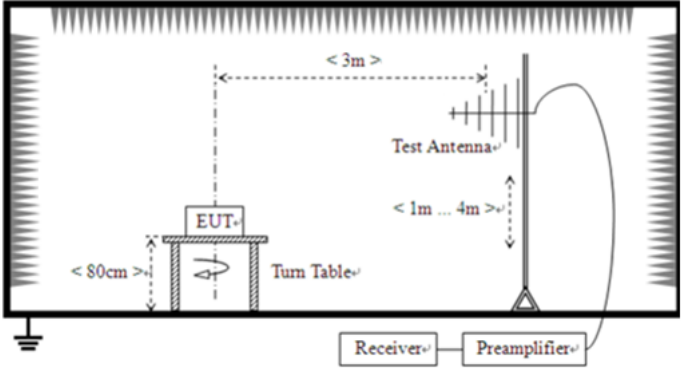
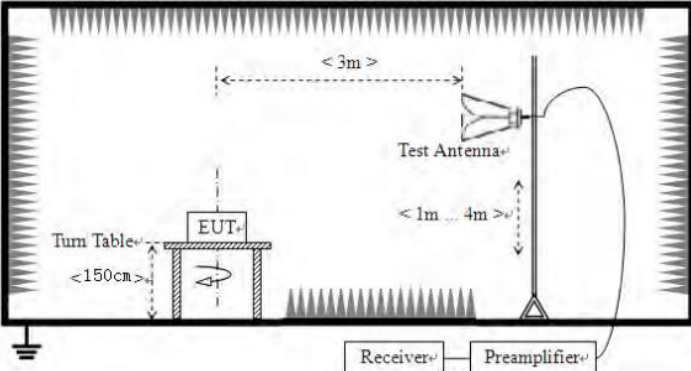
### 7.6.1 Conducted Emission Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                                                                                        |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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. |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p>                             |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

**Measurement Data:** The detailed test data see Appendix for ZigBee.

## 7.6.2 Radiated Emission Method

|                                                                                                                            |                                                                                      |              |          |                      |            |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------|----------|----------------------|------------|
| Test Requirement:                                                                                                          | FCC Part15 C Section 15.209                                                          |              |          |                      |            |
| Test Method:                                                                                                               | ANSI C63.10:2013                                                                     |              |          |                      |            |
| Test Frequency Range:                                                                                                      | 9kHz to 25GHz                                                                        |              |          |                      |            |
| Test site:                                                                                                                 | Measurement Distance: 3m                                                             |              |          |                      |            |
| Receiver setup:                                                                                                            | Frequency                                                                            | Detector     | RBW      | VBW                  | Value      |
|                                                                                                                            | 9KHz-150KHz                                                                          | Quasi-peak   | 200Hz    | 600Hz                | Quasi-peak |
|                                                                                                                            | 150KHz-30MHz                                                                         | Quasi-peak   | 9KHz     | 30KHz                | Quasi-peak |
|                                                                                                                            | 30MHz-1GHz                                                                           | Quasi-peak   | 120KHz   | 300KHz               | Quasi-peak |
|                                                                                                                            | Above 1GHz                                                                           | Peak         | 1MHz     | 3MHz                 | Peak       |
|                                                                                                                            |                                                                                      | Peak         | 1MHz     | 10Hz                 | Average    |
| Note: For Duty cycle ≥ 98%, average detector set as above For Duty cycle < 98%, average detector set as below: VBW ≥ 1 / T |                                                                                      |              |          |                      |            |
| Limit:                                                                                                                     | Frequency                                                                            | Limit (uV/m) | Value    | Measurement Distance |            |
|                                                                                                                            | 0.009MHz-0.490MHz                                                                    | 2400/F(KHz)  | QP/PK/AV | 300m                 |            |
|                                                                                                                            | 0.490MHz-1.705MHz                                                                    | 24000/F(KHz) | QP       | 30m                  |            |
|                                                                                                                            | 1.705MHz-30MHz                                                                       | 30           | QP       | 30m                  |            |
|                                                                                                                            | 30MHz-88MHz                                                                          | 100          | QP       | 3m                   |            |
|                                                                                                                            | 88MHz-216MHz                                                                         | 150          | QP       |                      |            |
|                                                                                                                            | 216MHz-960MHz                                                                        | 200          | QP       |                      |            |
|                                                                                                                            | 960MHz-1GHz                                                                          | 500          | QP       |                      |            |
|                                                                                                                            | Above 1GHz                                                                           | 500          | Average  |                      |            |
|                                                                                                                            |                                                                                      | 5000         | Peak     |                      |            |
| Test setup:                                                                                                                | For radiated emissions from 9kHz to 30MHz                                            |              |          |                      |            |
|                                                                                                                            |  |              |          |                      |            |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <p>For radiated emissions from 30MHz to 1GHz</p>  <p>For radiated emissions above 1GHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p>Test Procedure:</p> | <ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or</li> </ol> |

|                   |                                                                |       |         |     |         |          |
|-------------------|----------------------------------------------------------------|-------|---------|-----|---------|----------|
|                   | average method as specified and then reported in a data sheet. |       |         |     |         |          |
| Test Instruments: | Refer to section 6.0 for details                               |       |         |     |         |          |
| Test mode:        | Refer to section 5.2 for details                               |       |         |     |         |          |
| Test environment: | Temp.:                                                         | 25 °C | Humid.: | 52% | Press.: | 1012mbar |
| Test voltage:     | AC 120V, 60Hz                                                  |       |         |     |         |          |
| Test results:     | Pass                                                           |       |         |     |         |          |

## Measurement data:

*Remark:*

*Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.*

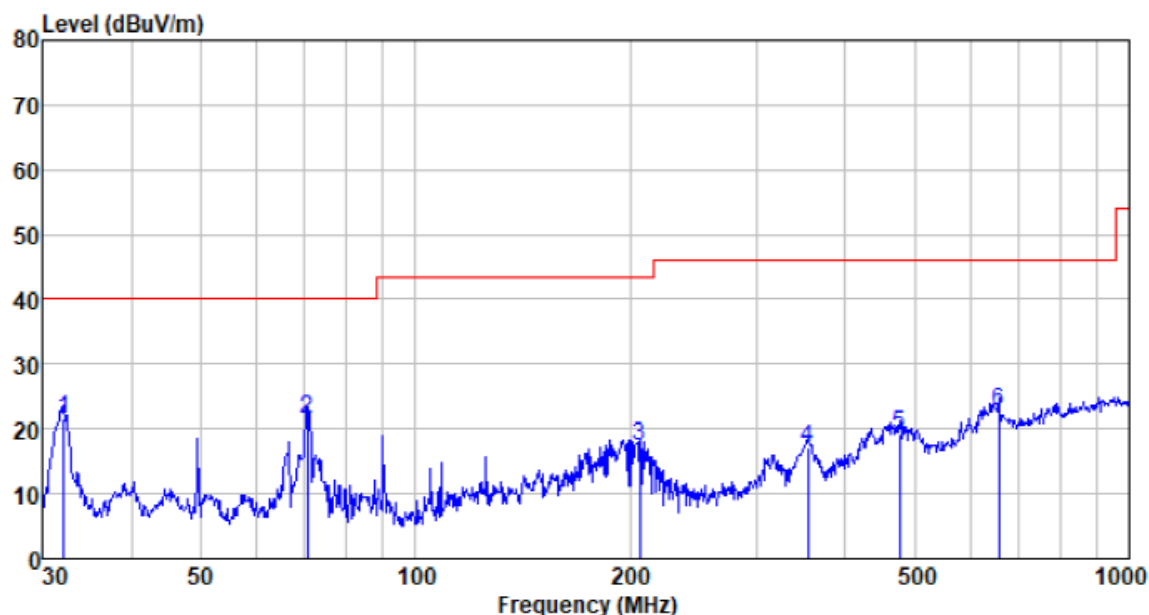
### ■ 9kHz~30MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

## ■ Below 1GHz

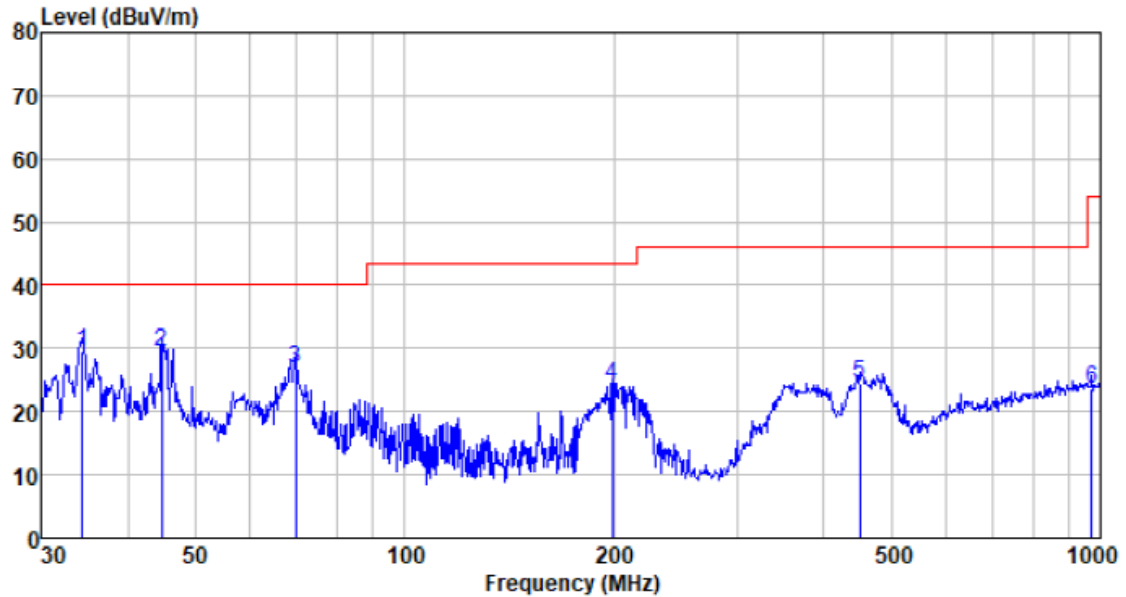
Pre-scan all test modes, found worst case at 2405MHz, and so only show the test result of it.

Horizontal:



| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 32.179      | 40.32                    | 12.52                     | 1.14                | 32.30                  | 21.68           | 40.00                    | -18.32              | QP     |
| 70.584      | 41.45                    | 10.74                     | 1.65                | 32.38                  | 21.46           | 40.00                    | -18.54              | QP     |
| 206.398     | 36.87                    | 10.19                     | 2.89                | 32.39                  | 17.56           | 43.50                    | -25.94              | QP     |
| 354.183     | 31.88                    | 13.68                     | 3.69                | 32.27                  | 16.98           | 46.00                    | -29.02              | QP     |
| 477.169     | 30.76                    | 16.44                     | 4.13                | 32.21                  | 19.12           | 46.00                    | -26.88              | QP     |
| 656.530     | 29.44                    | 20.00                     | 4.89                | 31.63                  | 22.70           | 46.00                    | -23.30              | QP     |

Vertical:

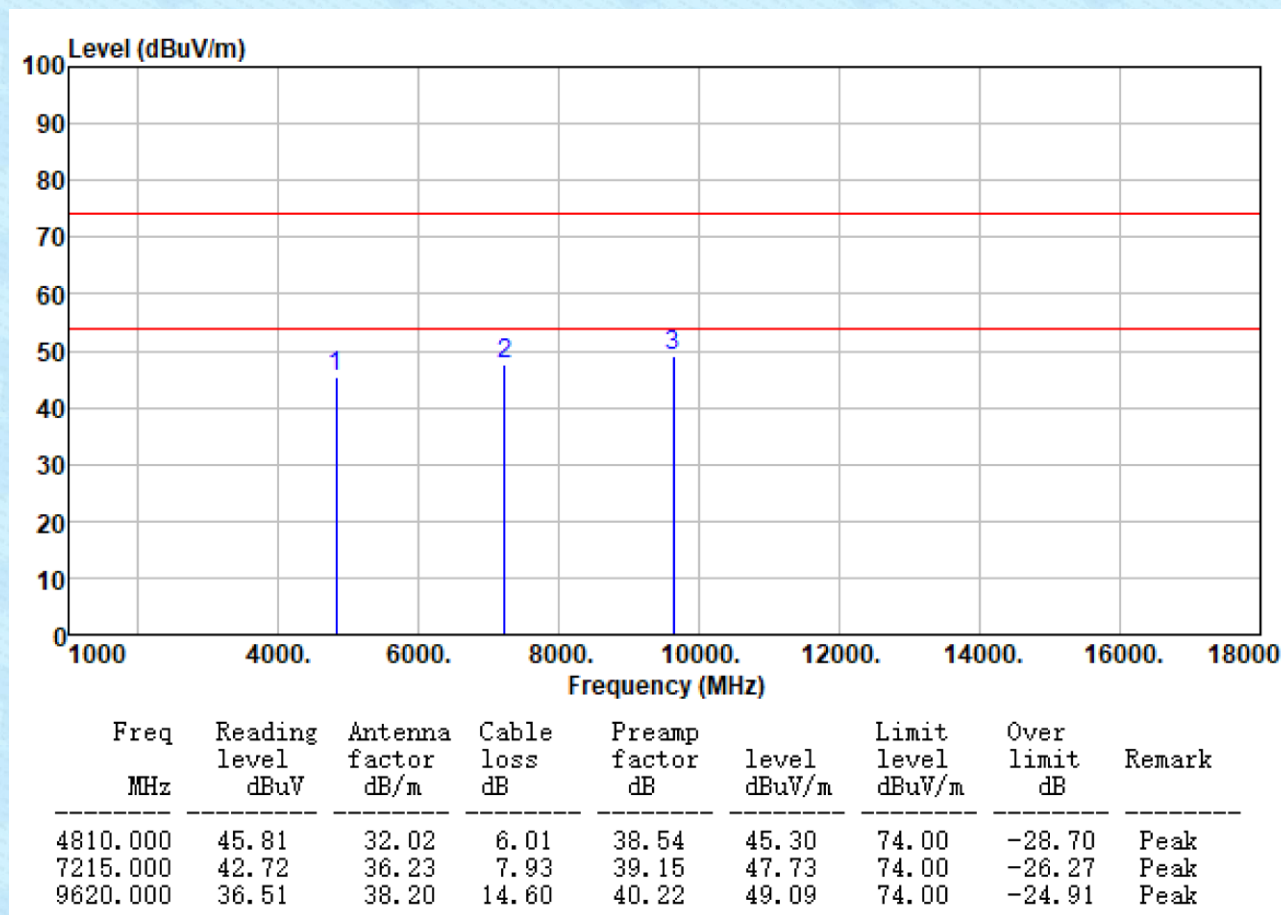


| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 34.396      | 47.69                    | 12.92                     | 1.18                | 32.30                  | 29.49           | 40.00                    | -10.51              | QP     |
| 44.743      | 47.08                    | 13.42                     | 1.33                | 32.30                  | 29.53           | 40.00                    | -10.47              | QP     |
| 69.600      | 46.82                    | 10.84                     | 1.64                | 32.38                  | 26.92           | 40.00                    | -13.08              | QP     |
| 198.588     | 43.28                    | 10.40                     | 2.84                | 32.40                  | 24.12           | 43.50                    | -19.38              | QP     |
| 451.135     | 36.54                    | 16.02                     | 4.05                | 32.22                  | 24.39           | 46.00                    | -21.61              | QP     |
| 972.337     | 24.94                    | 23.80                     | 5.94                | 31.10                  | 23.58           | 54.00                    | -30.42              | QP     |

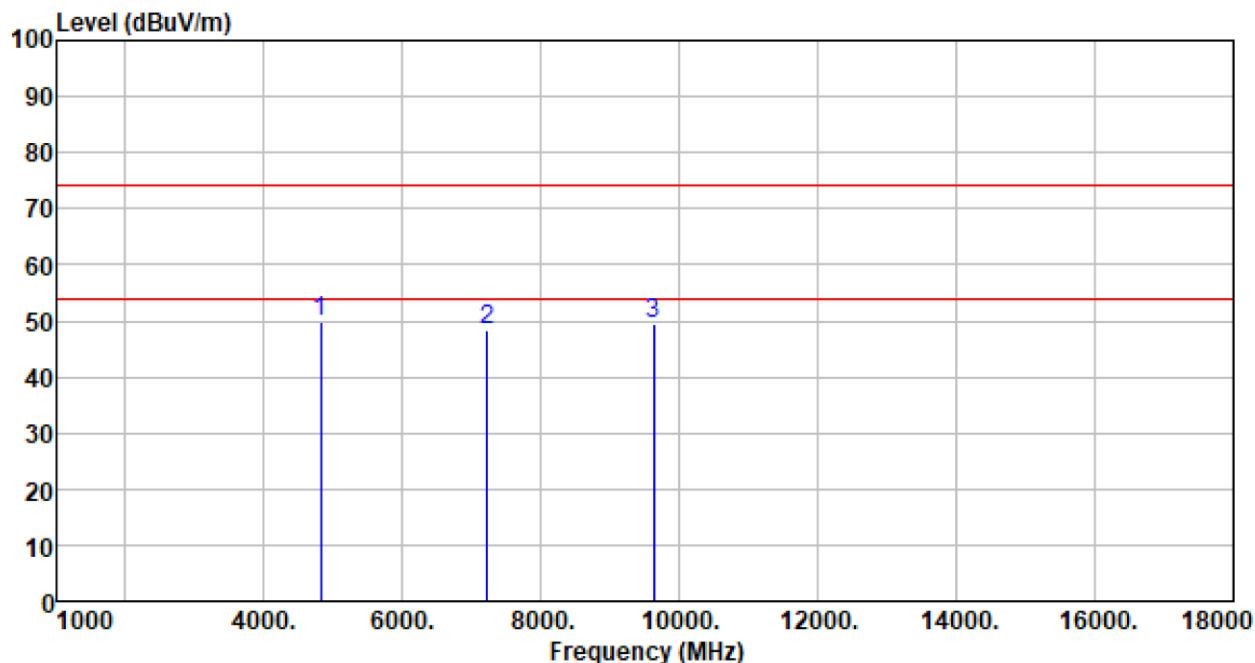
■ Above 1GHz

■ Unwanted Emissions in Non-restricted Frequency Bands

|               |        |               |            |
|---------------|--------|---------------|------------|
| Test channel: | Lowest | Polarization: | Horizontal |
|---------------|--------|---------------|------------|

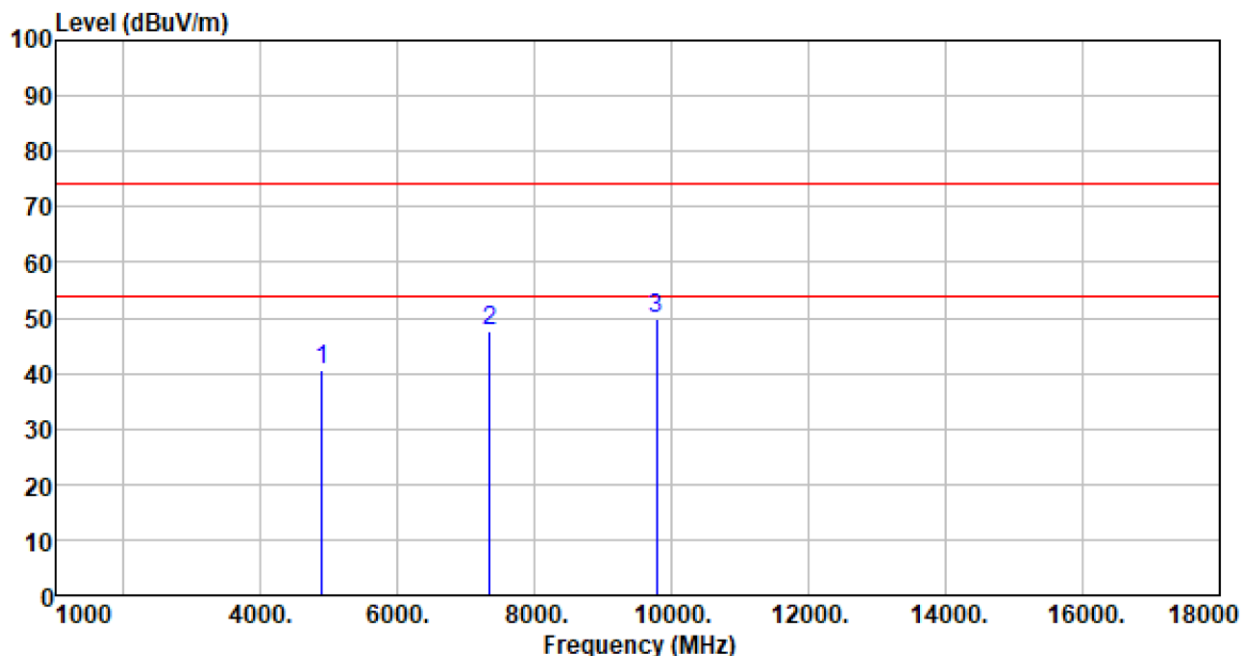


|               |        |               |          |
|---------------|--------|---------------|----------|
| Test channel: | Lowest | Polarization: | Vertical |
|---------------|--------|---------------|----------|



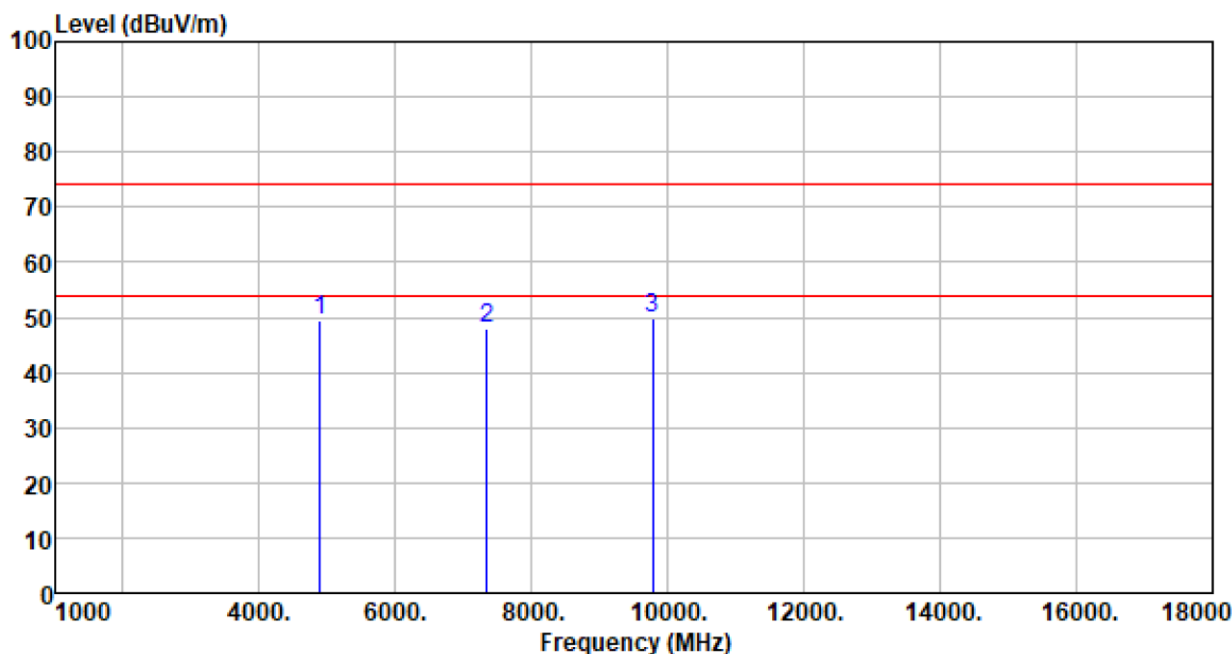
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 4810.000    | 50.47                    | 32.02                     | 6.01                | 38.54                  | 49.96           | 74.00                    | -24.04              | Peak   |
| 7215.000    | 43.36                    | 36.23                     | 7.93                | 39.15                  | 48.37           | 74.00                    | -25.63              | Peak   |
| 9620.000    | 36.91                    | 38.20                     | 14.60               | 40.22                  | 49.49           | 74.00                    | -24.51              | Peak   |

|               |        |               |            |
|---------------|--------|---------------|------------|
| Test channel: | Middle | Polarization: | Horizontal |
|---------------|--------|---------------|------------|



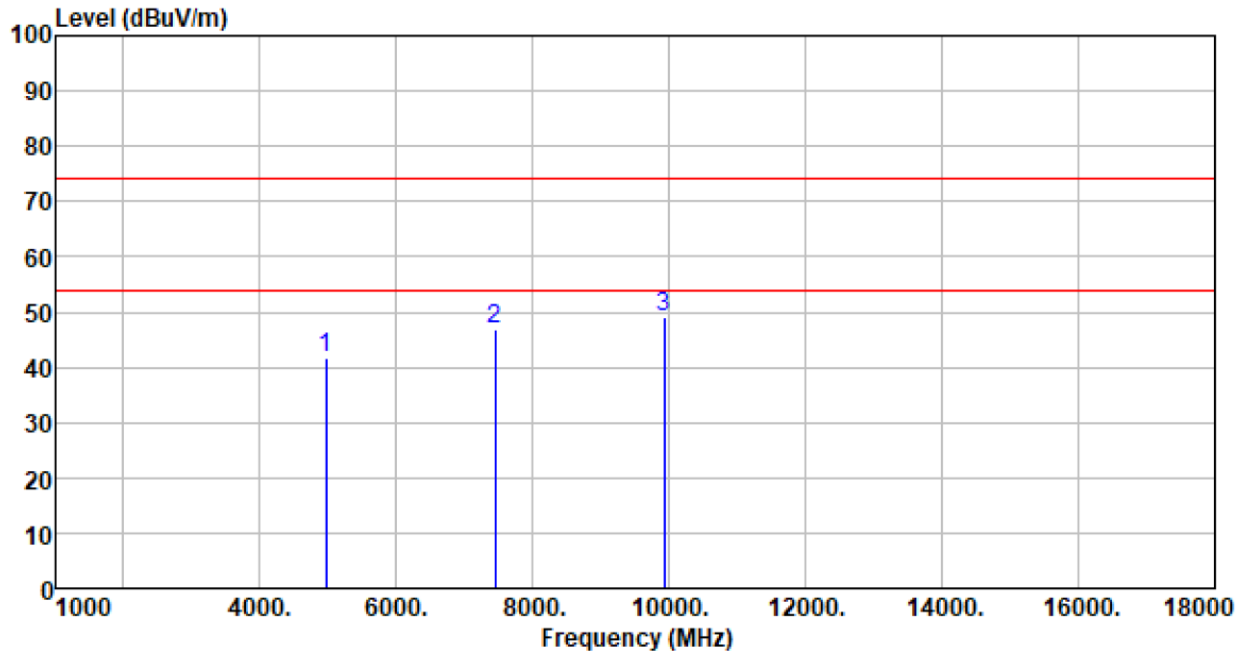
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 4890.000    | 40.87                    | 32.10                     | 6.03                | 38.52                  | 40.48           | 74.00                    | -33.52              | Peak   |
| 7335.000    | 42.62                    | 36.30                     | 8.05                | 39.23                  | 47.74           | 74.00                    | -26.26              | Peak   |
| 9780.000    | 41.16                    | 38.20                     | 10.88               | 40.26                  | 49.98           | 74.00                    | -24.02              | Peak   |

|               |        |               |          |
|---------------|--------|---------------|----------|
| Test channel: | Middle | Polarization: | Vertical |
|---------------|--------|---------------|----------|



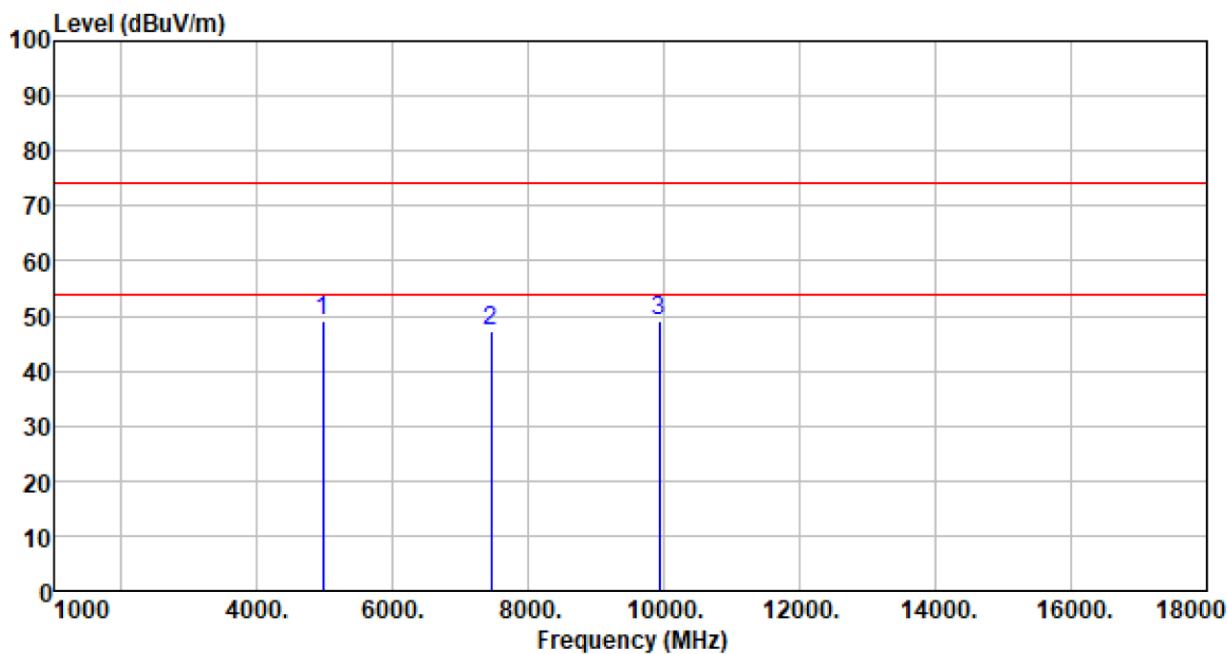
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 4890.000    | 49.94                    | 32.10                     | 6.03                | 38.52                  | 49.55           | 74.00                    | -24.45              | Peak   |
| 7335.000    | 42.71                    | 36.30                     | 8.05                | 39.23                  | 47.83           | 74.00                    | -26.17              | Peak   |
| 9780.000    | 40.89                    | 38.20                     | 10.88               | 40.26                  | 49.71           | 74.00                    | -24.29              | Peak   |

|               |         |               |            |
|---------------|---------|---------------|------------|
| Test channel: | Highest | Polarization: | Horizontal |
|---------------|---------|---------------|------------|



| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 4960.000    | 41.88                    | 32.20                     | 6.05                | 38.51                  | 41.62           | 74.00                    | -32.38              | Peak   |
| 7440.000    | 41.67                    | 36.30                     | 8.16                | 39.31                  | 46.82           | 74.00                    | -27.18              | Peak   |
| 9920.000    | 40.52                    | 38.24                     | 10.76               | 40.28                  | 49.24           | 74.00                    | -24.76              | Peak   |

|               |         |               |          |
|---------------|---------|---------------|----------|
| Test channel: | Highest | Polarization: | Vertical |
|---------------|---------|---------------|----------|



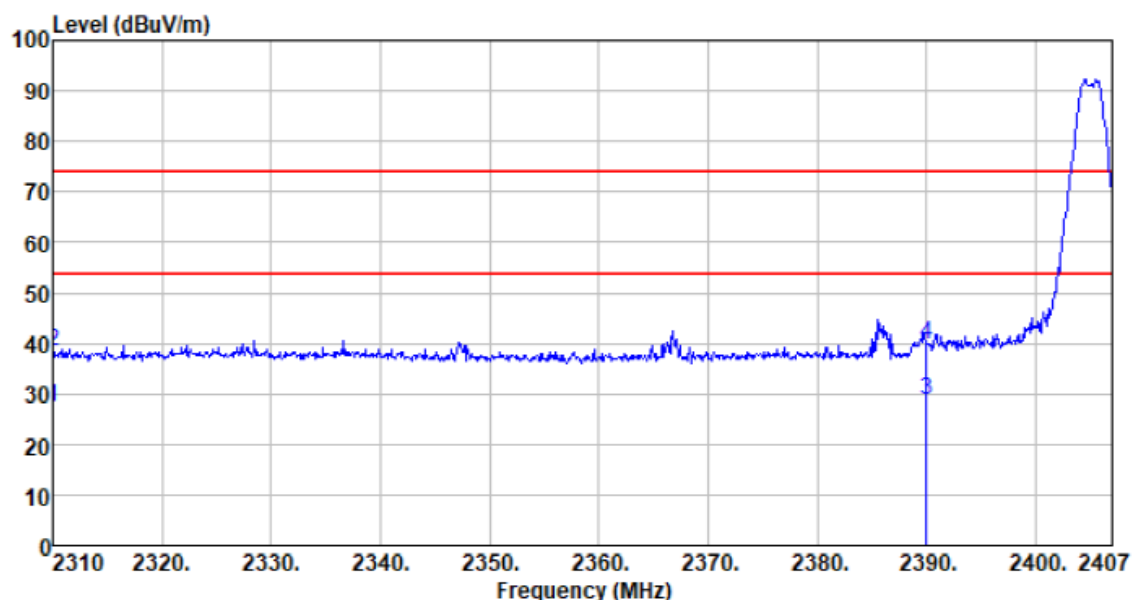
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 4960.000    | 49.52                    | 32.20                     | 6.05                | 38.51                  | 49.26           | 74.00                    | -24.74              | Peak   |
| 7440.000    | 41.99                    | 36.30                     | 8.16                | 39.31                  | 47.14           | 74.00                    | -26.86              | Peak   |
| 9920.000    | 40.40                    | 38.24                     | 10.76               | 40.28                  | 49.12           | 74.00                    | -24.88              | Peak   |

## Remarks:

- Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

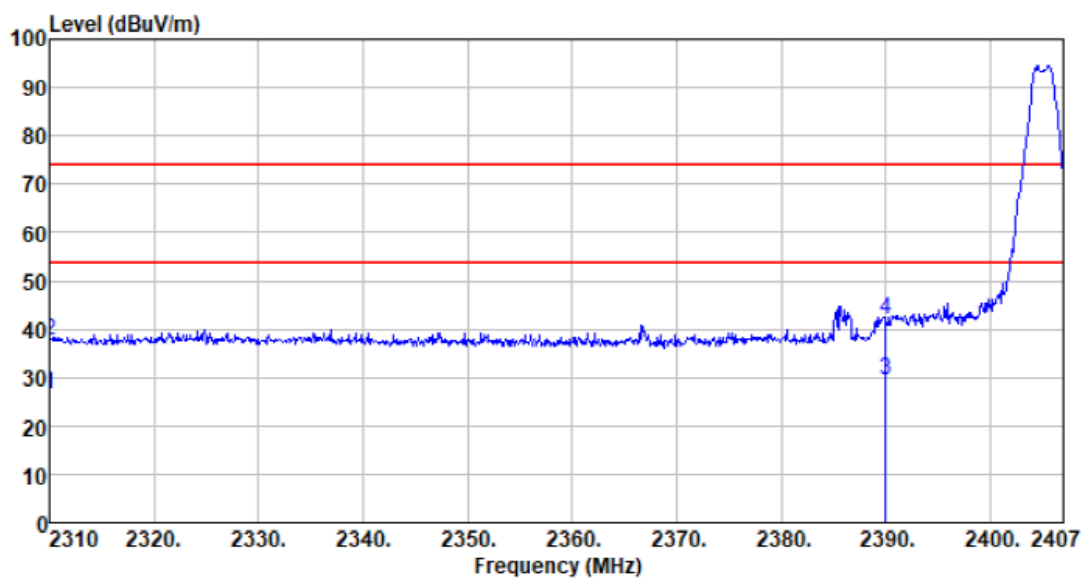
## ■ Unwanted Emissions in Restricted Frequency Bands

|               |        |               |            |
|---------------|--------|---------------|------------|
| Test channel: | Lowest | Polarization: | Horizontal |
|---------------|--------|---------------|------------|



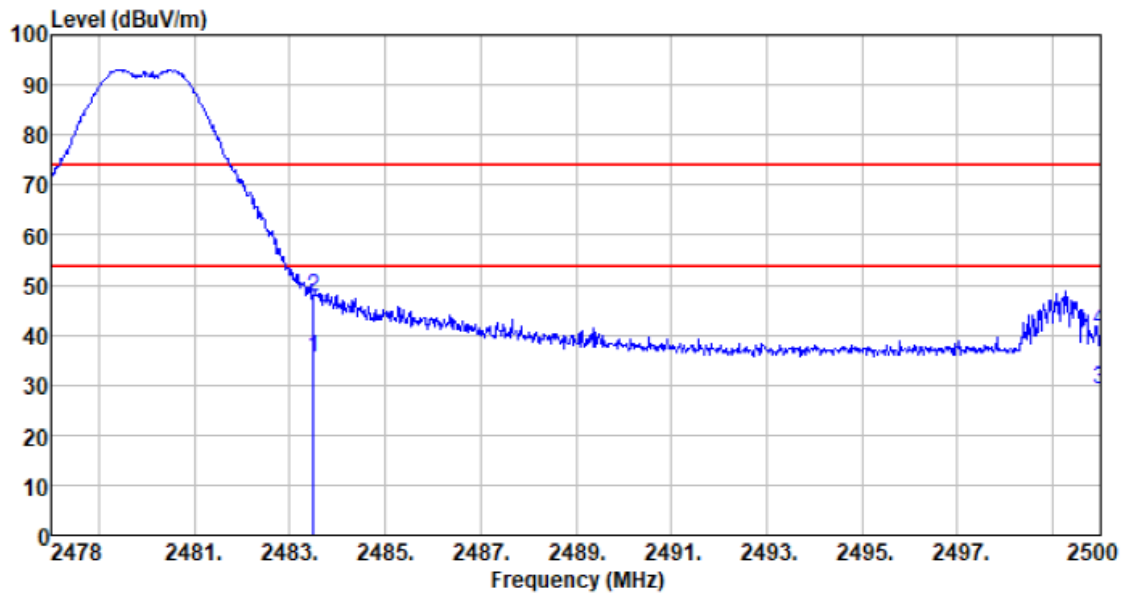
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 2310.000    | 35.43                    | 27.00                     | 4.13                | 39.14                  | 27.42           | 54.00                    | -26.58              | Average |
| 2310.000    | 46.38                    | 27.00                     | 4.13                | 39.14                  | 38.37           | 74.00                    | -35.63              | Peak    |
| 2390.000    | 36.89                    | 27.08                     | 4.17                | 39.34                  | 28.80           | 54.00                    | -25.20              | Average |
| 2390.000    | 47.76                    | 27.08                     | 4.17                | 39.34                  | 39.67           | 74.00                    | -34.33              | Peak    |

|               |        |               |          |
|---------------|--------|---------------|----------|
| Test channel: | Lowest | Polarization: | Vertical |
|---------------|--------|---------------|----------|



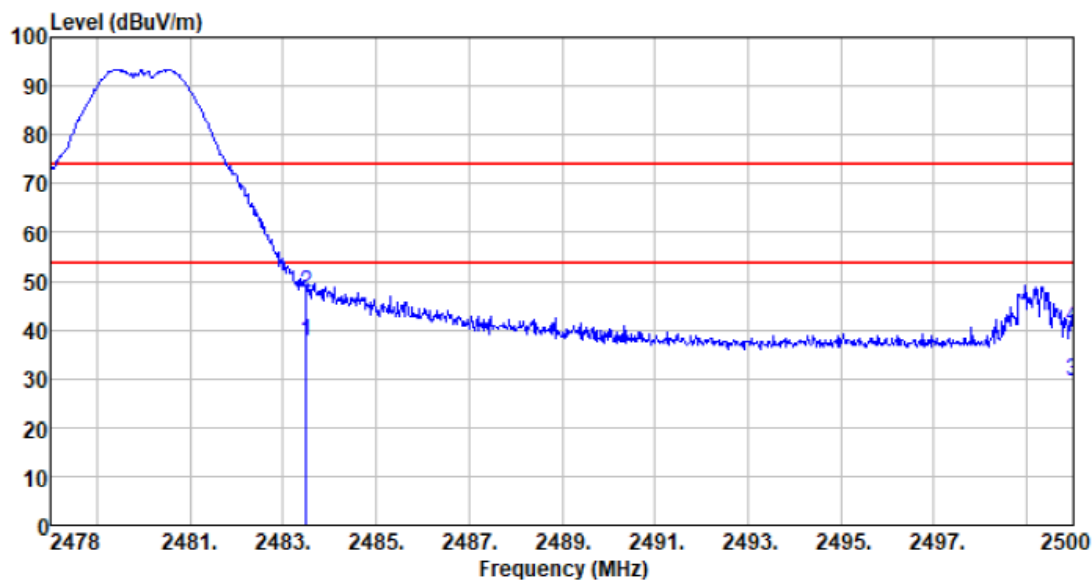
| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 2310.000    | 34.63                    | 27.00                     | 4.13                | 39.14                  | 26.62           | 54.00                    | -27.38              | Average |
| 2310.000    | 45.74                    | 27.00                     | 4.13                | 39.14                  | 37.73           | 74.00                    | -36.27              | Peak    |
| 2390.000    | 37.78                    | 27.08                     | 4.17                | 39.34                  | 29.69           | 54.00                    | -24.31              | Average |
| 2390.000    | 49.98                    | 27.08                     | 4.17                | 39.34                  | 41.89           | 74.00                    | -32.11              | Peak    |

|               |         |               |            |
|---------------|---------|---------------|------------|
| Test channel: | Highest | Polarization: | Horizontal |
|---------------|---------|---------------|------------|



| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 2483.500    | 43.74                    | 27.27                     | 4.08                | 39.56                  | 35.53           | 54.00                    | -18.47              | Average |
| 2483.500    | 55.99                    | 27.27                     | 4.08                | 39.56                  | 47.78           | 74.00                    | -26.22              | Peak    |
| 2500.000    | 37.28                    | 27.30                     | 4.06                | 39.60                  | 29.04           | 54.00                    | -24.96              | Average |
| 2500.000    | 49.16                    | 27.30                     | 4.06                | 39.60                  | 40.92           | 74.00                    | -33.08              | Peak    |

|               |         |               |          |
|---------------|---------|---------------|----------|
| Test channel: | Highest | Polarization: | Vertical |
|---------------|---------|---------------|----------|



| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 2483.500    | 45.73                    | 27.27                     | 4.08                | 39.56                  | 37.52           | 54.00                    | -16.48              | Average |
| 2483.500    | 55.94                    | 27.27                     | 4.08                | 39.56                  | 47.73           | 74.00                    | -26.27              | Peak    |
| 2500.000    | 37.93                    | 27.30                     | 4.06                | 39.60                  | 29.69           | 54.00                    | -24.31              | Average |
| 2500.000    | 48.89                    | 27.30                     | 4.06                | 39.60                  | 40.65           | 74.00                    | -33.35              | Peak    |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 8 Test Setup Photo

Reference to the **appendix I** for details.

## 9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----