

# TEST REPORT

**Report No.:** 8327EU012403W2

**Applicant:** SANWA LIMITED

**Address:** Room 1005, 10/F, Tower 2, Silvercord 30 Canton Road,  
Tsim Sha Tsui, Kowloon Hong Kong China

**Product Name:** Dual-mode multimedia control mouse

**Model No.:** GMAWBT204BK

**Trademark:** SANWA

**FCC ID:** 2AMSUGMAWBT204BK

**Test Standard(s):** 47 CFR Part 15 Subpart C

**Test Result:** Pass

**Date of Receipt:** Feb. 24, 2025

**Test Date:** Feb. 24, 2025 – Apr. 02, 2025

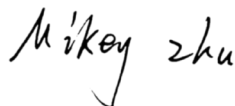
**Date of Issue:** Apr. 17, 2025

**ISSUED BY:**

SHENZHEN EU TESTING LABORATORY LIMITED



**Prepared by:**



Mikey Zhu/ Engineer

**Reviewed and Approved by:**



Sally Zhang/ Manager

### Revision Record

| Report Version | Issued Date   | Description | Status |
|----------------|---------------|-------------|--------|
| V0             | Apr. 17, 2025 | Original    | Valid  |
|                |               |             |        |



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## 2 General Information

### 2.1 Applicant Information

|           |  |
|-----------|--|
| Applicant | SANWA LIMITED  |
| Address   | Room 1005, 10/F, Tower 2, Silvercord 30 Canton Road, Tsim Sha Tsui, Kowloon<br>Hong Kong China |

### 2.2 Manufacturer Information

|              |  |
|--------------|--|
| Manufacturer | SANWA LIMITED  |
| Address      | Room 1005, 10/F, Tower 2, Silvercord 30 Canton Road, Tsim Sha Tsui, Kowloon<br>Hong Kong China |

### 2.3 Factory Information

|         |   |
|---------|---|
| Factory | Dongguan ShangGui Electronics Co.,Ltd   |
| Address | No.7, 7th Str. YinCheng Rd., Xiabian Village, Chang'an Town, Dongguan City,<br>G.D, China. P.C.523876 |

### 2.4 General Description of E.U.T.

|                                      |  |
|--------------------------------------|--|
| Product Name                         | Dual-mode multimedia control mouse   |
| Model No. Under Test                 | GMAWBT204BK  |
| List Model No.                       | N/A  |
| Description of Model differentiation | N/A  |
| Rating(s)                            | Input: 5V $\overline{=}$ 200mA<br>Battery Capacity: 3.7VDC, 300mAh, 1.11Wh   |
| Product Type                         | <input type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location |
| Test Sample No.                      | -1/2(Normal Sample), -2/2(Engineering Sample)  |
| Hardware Version                     | N/A  |
| Software Version                     | N/A  |
| Remark                               | For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.        |

## 2.5 Technical Information of E.U.T.

|                                   |   |
|-----------------------------------|---|
| Network and Wireless Connectivity | Bluetooth Low Energy (BLE)<br>2.4G ISM Proprietary Band |
|-----------------------------------|---|

The requirement for the following technical information of the EUT was tested in this report:

|                     |  |
|---------------------|--|
| Technology          | <b>2.4G ISM Proprietary Band</b>   |
| Modulation Type     | GFSK   |
| Operating Frequency | 2409-2470MHz   |
| Test Channel        | Low (2409 MHz), Middle (2440 MHz), High (2470 MHz)   |
| Number of Channel   | 8  |
| Antenna Type        | Ceramic Antenna  |
| Antenna Gain(Peak)  | 3.00 dBi   |
| Remark              | The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant. |

All channels were listed on the following table:

| No. | Freq.<br>(MHz) |
|-----|----------------|
| 01  | 2409           |
| 02  | 2413           |
| 03  | 2422           |
| 04  | 2430           |
| 05  | 2440           |
| 06  | 2450           |
| 07  | 2460           |
| 08  | 2470           |

### 3 Test Summary

#### 3.1 Test Standard

The tests were performed according to following standards:

| No. | Identity                  | Document Title   |
|-----|---------------------------|--|
| 1   | 47 CFR Part 15, Subpart C | Intentional radiators of radio frequency equipment                 |
| 2   | ANSI C63.10-2020          | American National Standard for Testing Unlicensed Wireless Devices |

Remark:

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

#### 3.2 Test Verdict

| No. | Description  | FCC Part No.           | Channel         | Verdict | Remark            |
|-----|--|------------------------|-----------------|---------|-------------------|
| 1   | Antenna Requirement  | 15.203                 | N/A             | Pass    | Note <sup>1</sup> |
| 2   | Conducted Emission at AC Power Line                        | 15.207                 | Low/Middle/High | Pass    | --                |
| 3   | 20 dB and 99% Bandwidth                                    | 15.215(c)              | Low/Middle/High | Pass    | --                |
| 4   | Band Edge<br>(Restricted frequency bands)                  | 15.249(a)<br>15.249(d) | Low/High        | Pass    | --                |
| 5   | Field Strength of Fundamental & Radiated Spurious Emission | 15.249(a)              | Low/Middle/High | Pass    | --                |

Note <sup>1</sup>: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note <sup>2</sup>: N/A" denotes test is not applicable in this test report.

#### 3.3 Test Laboratory

|                               |  |
|-------------------------------|--|
| Test Laboratory               | Shenzhen EU Testing Laboratory Limited   |
| Address                       | 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China |
| Designation Number            | CN1368   |
| Test Firm Registration Number | 952583   |

## 4 Test Configuration

### 4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

|                            |                         |   |
|----------------------------|-------------------------|---|
| Relative Humidity          | 30% to 60%              |   |
| Atmospheric Pressure       | 86 kPa to 106 kPa       |   |
| Temperature                | NT (Normal Temperature) | +15°C to +35°C                                    |
| Working Voltage of the EUT | NV (Normal Voltage)     | 120VAC, 60Hz for adapter<br>3.7VDC battery inside |

### 4.2 Test Equipment

| Conducted Emission at AC power line  |                 |          |           |            |              |
|--------------------------------------|-----------------|----------|-----------|------------|--------------|
| Equipment                            | Manufacturer    | Model No | Serial No | Cal Date   | Cal Due Date |
| L.I.S.N.<br>Artificial Mains Network | Rohde & Schwarz | ENV216   | EE-004    | 2025/01/08 | 2026/01/07   |
| EMI Test Receiver                    | Rohde & Schwarz | ESCI     | EE-005    | 2025/01/08 | 2026/01/07   |
| Test Software                        | Farad           | EZ-EMC   | EE-014    | N.C.R      | N.C.R        |

| Radiated Emission and RF Test         |                 |              |           |            |               |
|---------------------------------------|-----------------|--------------|-----------|------------|---------------|
| Equipment                             | Manufacturer    | Model No     | Serial No | Cal. Date  | Cal. Due Date |
| EMI Test Receiver                     | ROHDE & SCHWARZ | ESPI         | EE-006    | 2025/01/08 | 2026/01/07    |
| Bilog Broadband Antenna               | SCHWARZBECK     | VULB 9163    | EE-007    | 2023/01/14 | 2026/01/13    |
| Double Ridged Horn Antenna            | A-INFOMW        | LB-10180-NF  | EE-008    | 2023/01/12 | 2026/01/11    |
| Pre-amplifier                         | Agilent         | 8447D        | EE-009    | 2025/01/08 | 2026/01/07    |
| Pre-amplifier                         | Agilent         | 8449B        | EE-010    | 2025/01/08 | 2026/01/07    |
| MXA Signal Analyzer                   | Agilent         | N9020A       | EE-011    | 2025/01/08 | 2026/01/07    |
| MXG RF Vector Signal Generator        | Agilent         | N5182A       | EE-012    | 2025/01/08 | 2026/01/07    |
| Test Software                         | Farad           | EZ-EMC       | EE-015    | N.C.R      | N.C.R         |
| MIMO Power Measurement Module         | TSTPASS         | TSPS 2023R   | EE-016    | 2025/01/08 | 2026/01/07    |
| RF Test Software                      | TSTPASS         | TS32893 V2.0 | EE-017    | N.C.R      | N.C.R         |
| Antenna Mast                          | TOP Precision   | TPBAM-4      | EE-306    | N.C.R      | N.C.R         |
| Wideband Radio Communication Tester   | ROHDE & SCHWARZ | CMW500       | EE-402    | 2025/02/14 | 2026/02/13    |
| Loop Antenna                          | TESEQ           | HLA6121      | EE-403    | 2025/02/14 | 2026/02/13    |
| MXG RF Analog Signal Generator        | Agilent         | N5181A       | EE-406    | 2025/02/14 | 2026/02/13    |
| DRG Horn Antenna                      | SCHWARZBECK     | BBHA 9170    | EE-410    | 2025/02/14 | 2026/02/13    |
| Pre-amplifier                         | SKET            | LNPA-1840-50 | EE-411    | 2025/02/14 | 2026/02/13    |
| Power Meter                           | Anritsu         | ML2495A      | EE-416    | 2025/02/14 | 2026/02/13    |
| Constant Temperature Humidity Chamber | Guangxin        | GXP-401      | ES-002    | 2024/07/30 | 2025/07/29    |

### 4.3 Description of Support Unit

| No. | Title    | Manufacturer | Model No.              | Serial No. |
|-----|----------|--------------|------------------------|------------|
| 1   | Notebook | Lenovo       | Xiaoxin Air 14ALC 2021 | EMC-PJ-052 |
| 2   | Adapter  | MI           | A232-050200U-CN2       | EMC-PJ-004 |

### 4.4 Test Mode

| No. | Test Modes   | Description   |
|-----|--------------|---|
| TM1 | 2.4G TX Mode | Keep the EUT connect to AC power line and works in continuously 2.4GHz transmitting mode. |

### 4.5 Description of Calculation

#### 4.5.1. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

|                           |  |
|---------------------------|--|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude    | AG = Amplifier Gain                        |
| AF = Antenna Factor       |  |

#### 4.5.2. Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dBuV)} = RA \text{ (dBuV)} + PL \text{ (dB)} + CL \text{ (dB)}$$

|                                  |  |
|----------------------------------|--|
| Where CD = Conducted Disturbance | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude           | PL = 10 dB Pulse Limiter Factor            |



#### 4.6 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

| Test Item                         | Measurement Uncertainty   |
|-----------------------------------|---------------------------|
| Conducted Emission                | 2.64 dB                   |
| Occupied Channel Bandwidth        | 2.8 %                     |
| RF output power, conducted        | 0.68 dB                   |
| Power Spectral Density, conducted | 1.37 dB                   |
| Unwanted Emissions, conducted     | 1.84 dB                   |
| Radiated Emission (9kHz- 30MHz)   | Ur = 2.50 dB              |
| Radiated Emission (30MHz- 1GHz)   | Ur = 2.70 dB (Horizontal) |
|                                   | Ur = 2.70 dB (Vertical)   |
| Radiated Emission (1GHz- 18GHz)   | Ur = 3.50 dB (Horizontal) |
|                                   | Ur = 3.50 dB (Vertical)   |
| Radiated Emission (18GHz- 40GHz)  | Ur = 5.15 dB (Horizontal) |
|                                   | Ur = 5.24 dB (Vertical)   |
| Temperature                       | 0.8°C                     |
| Humidity                          | 4%                        |

#### 4.7 Deviation from Standards

None.

#### 4.8 Abnormalities from Standard Condition

None.

## 5 Test Items

### 5.1 Antenna requirement

#### 5.1.1 Test Requirement

|                  |  |
|------------------|--|
| Test Requirement | According to FCC §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. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. |
|------------------|--|

#### 5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

| Protected Method                        | Description                            |
|---|--|
| The antenna is embedded in the product. | An embedded-in antenna design is used. |

| Reference Documents | Item                                     |
|---------------------|--|
| Photo               | Please refer to the EUT Photo documents. |

#### 5.1.3 Antenna Gain

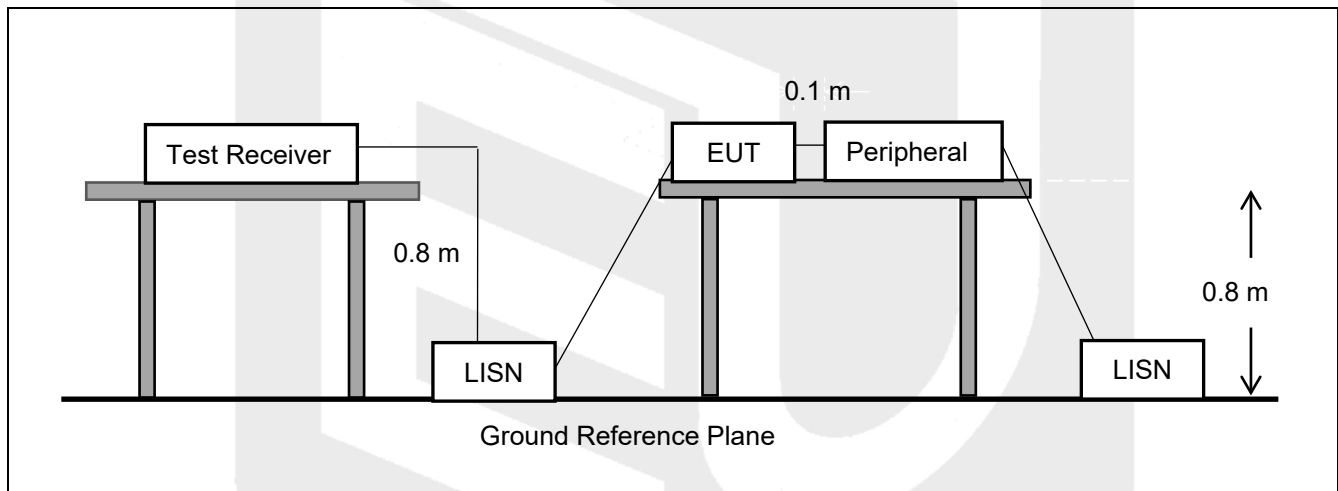
The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

## 5.2 Conducted Emission at AC Power Line

### 5.2.1 Test Requirement

|                  |  |                              |           |
|------------------|--|------------------------------|-----------|
| Test Requirement | Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 ohms line impedance stabilization network (LISN). |                              |           |
| Test Limit       | Frequency of emission (MHz)  | Conducted limit (dB $\mu$ V) |           |
|                  |  | 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 Method      | ANSI C63.10-2020 section 6.2   |                              |           |

### 5.2.2 Test Setup Diagram



### 5.2.3 Test Procedure

The EUT is put on the plane 0.8 m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipment. Both sides of AC line are investigated to find out the maximum conducted emission according to the test standard regulations during conducted emission measurement.

The bandwidth of the field strength meter (R&S Test Receiver ESCI) is set at 9kHz in 150kHz~30MHz.

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

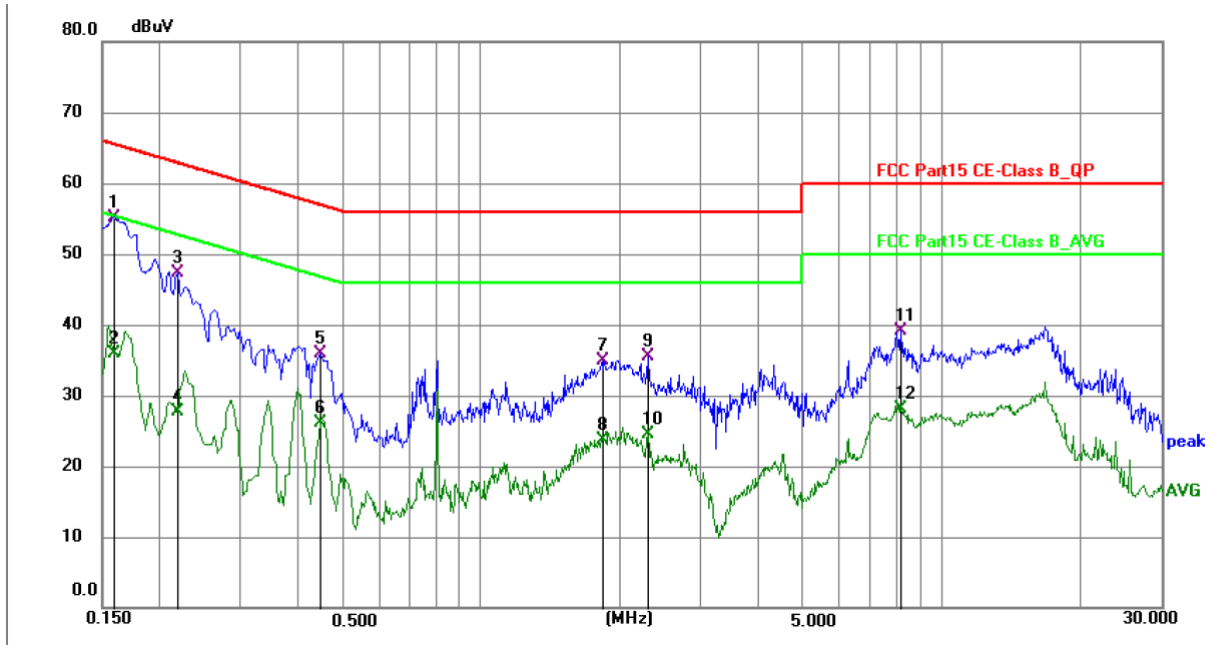
### 5.2.4 Test Data

PASS.

Only the worst case data was showed in the report, please to see the following pages.

**Conducted Emission Test Data**

Test Site: Shielded Room #1  
Test Mode: TM1/ CH Middle  
Comments: Live Line

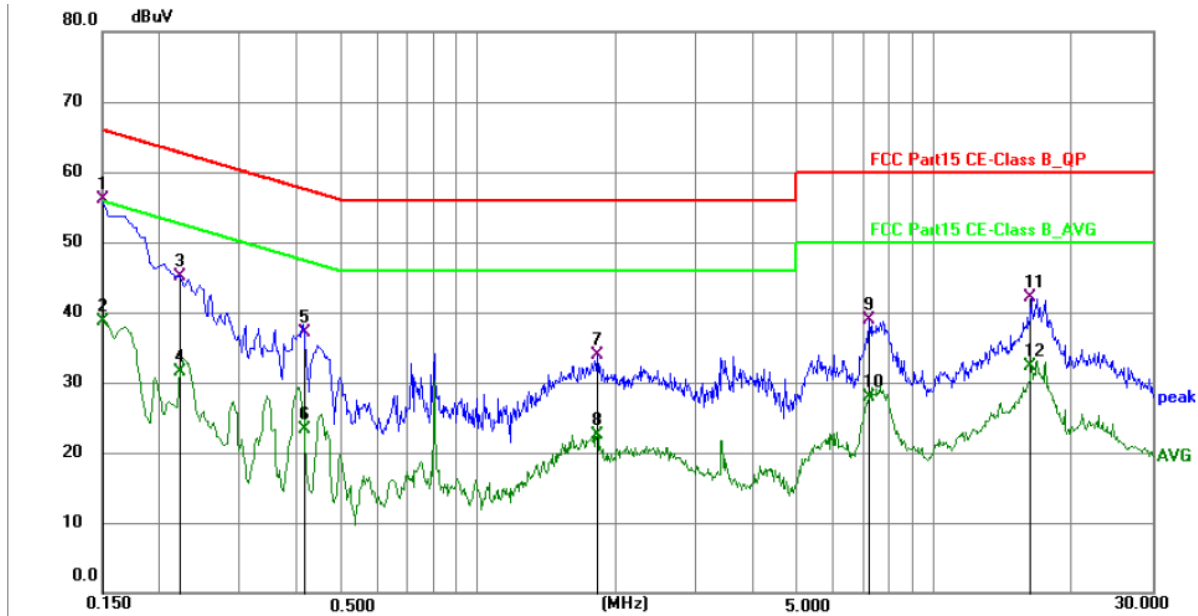


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1 * | 0.1590          | 45.24          | 9.96        | 55.20        | 65.52        | -10.32      | QP       | P   |        |
| 2   | 0.1590          | 25.87          | 9.96        | 35.83        | 55.52        | -19.69      | AVG      | P   |        |
| 3   | 0.2175          | 37.26          | 9.97        | 47.23        | 62.91        | -15.68      | QP       | P   |        |
| 4   | 0.2175          | 17.73          | 9.97        | 27.70        | 52.91        | -25.21      | AVG      | P   |        |
| 5   | 0.4470          | 25.88          | 10.02       | 35.90        | 56.93        | -21.03      | QP       | P   |        |
| 6   | 0.4470          | 16.14          | 10.02       | 26.16        | 46.93        | -20.77      | AVG      | P   |        |
| 7   | 1.8330          | 24.90          | 10.02       | 34.92        | 56.00        | -21.08      | QP       | P   |        |
| 8   | 1.8330          | 13.61          | 10.02       | 23.63        | 46.00        | -22.37      | AVG      | P   |        |
| 9   | 2.3055          | 25.55          | 10.03       | 35.58        | 56.00        | -20.42      | QP       | P   |        |
| 10  | 2.3055          | 14.38          | 10.03       | 24.41        | 46.00        | -21.59      | AVG      | P   |        |
| 11  | 8.1780          | 29.05          | 9.99        | 39.04        | 60.00        | -20.96      | QP       | P   |        |
| 12  | 8.1780          | 18.17          | 9.99        | 28.16        | 50.00        | -21.84      | AVG      | P   |        |

Note: Level = Reading + Factor    Margin = Level - Limit

**Conducted Emission Test Data**

Test Site: Shielded Room #1  
Test Mode: TM1/ CH Middle  
Comments: Neutral Line



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|--------|
| 1 * | 0.1500          | 46.04          | 9.97        | 56.01        | 66.00        | -9.99       | QP       | P   |        |
| 2   | 0.1500          | 28.67          | 9.97        | 38.64        | 56.00        | -17.36      | AVG      | P   |        |
| 3   | 0.2220          | 35.02          | 9.99        | 45.01        | 62.74        | -17.73      | QP       | P   |        |
| 4   | 0.2220          | 21.42          | 9.99        | 31.41        | 52.74        | -21.33      | AVG      | P   |        |
| 5   | 0.4148          | 26.99          | 10.05       | 37.04        | 57.55        | -20.51      | QP       | P   |        |
| 6   | 0.4148          | 13.27          | 10.05       | 23.32        | 47.55        | -24.23      | AVG      | P   |        |
| 7   | 1.8195          | 23.92          | 10.07       | 33.99        | 56.00        | -22.01      | QP       | P   |        |
| 8   | 1.8195          | 12.40          | 10.07       | 22.47        | 46.00        | -23.53      | AVG      | P   |        |
| 9   | 7.2060          | 28.84          | 10.03       | 38.87        | 60.00        | -21.13      | QP       | P   |        |
| 10  | 7.2060          | 17.88          | 10.03       | 27.91        | 50.00        | -22.09      | AVG      | P   |        |
| 11  | 16.2959         | 32.01          | 10.01       | 42.02        | 60.00        | -17.98      | QP       | P   |        |
| 12  | 16.2959         | 22.37          | 10.01       | 32.38        | 50.00        | -17.62      | AVG      | P   |        |

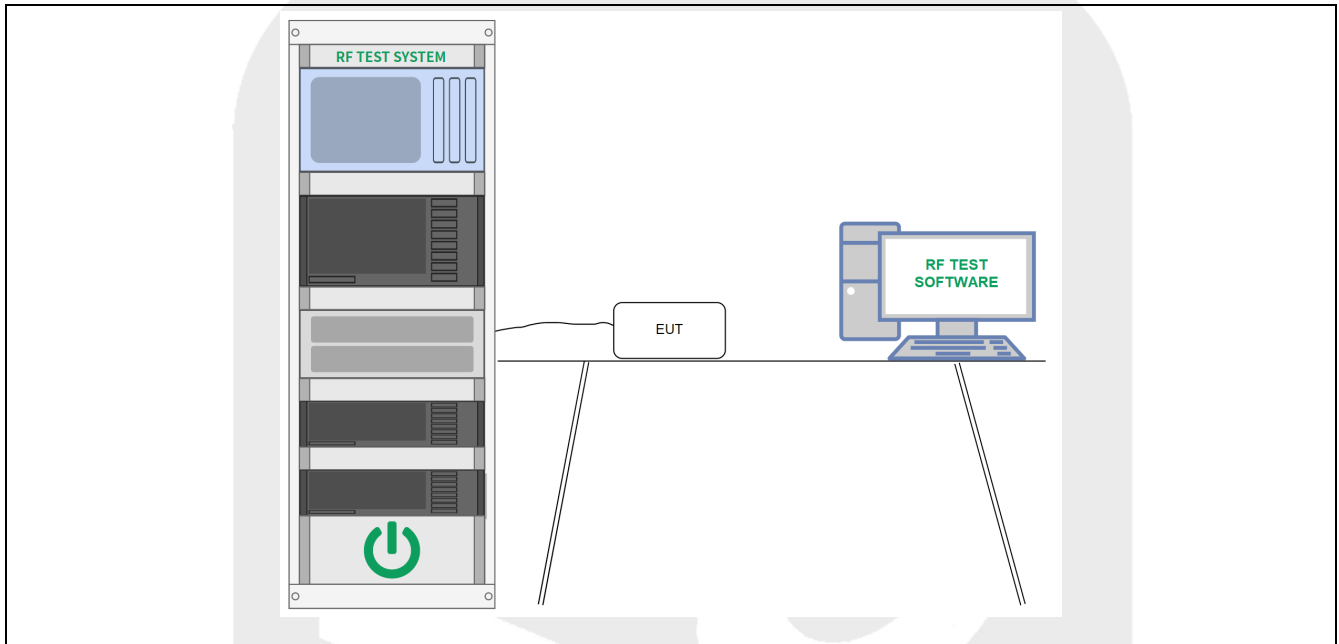
Note: Level = Reading + Factor    Margin = Level - Limit

### 5.3 20 dB and 99% Bandwidth

#### 5.3.1 Test Requirement

|                  |   |
|------------------|---|
| Test Requirement | Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. |
| Test Method      | ANSI C63.10-2020  |

#### 5.3.2 Test Setup Diagram



#### 5.3.3 Test Procedure

Use the following spectrum analyzer settings:  
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel  
RBW  $\geq$  1% of the 20 dB bandwidth  
VBW  $\geq$  RBW  
Sweep = auto  
Detector function = peak  
Trace = max hold

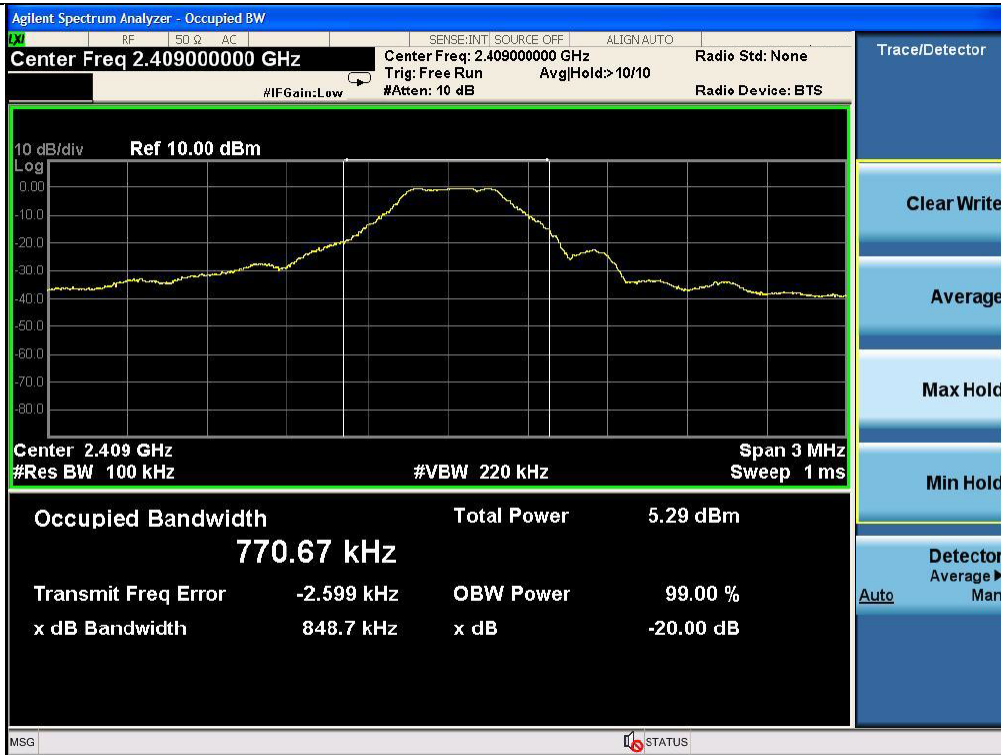
#### 5.3.4 Test Data

**PASS.**

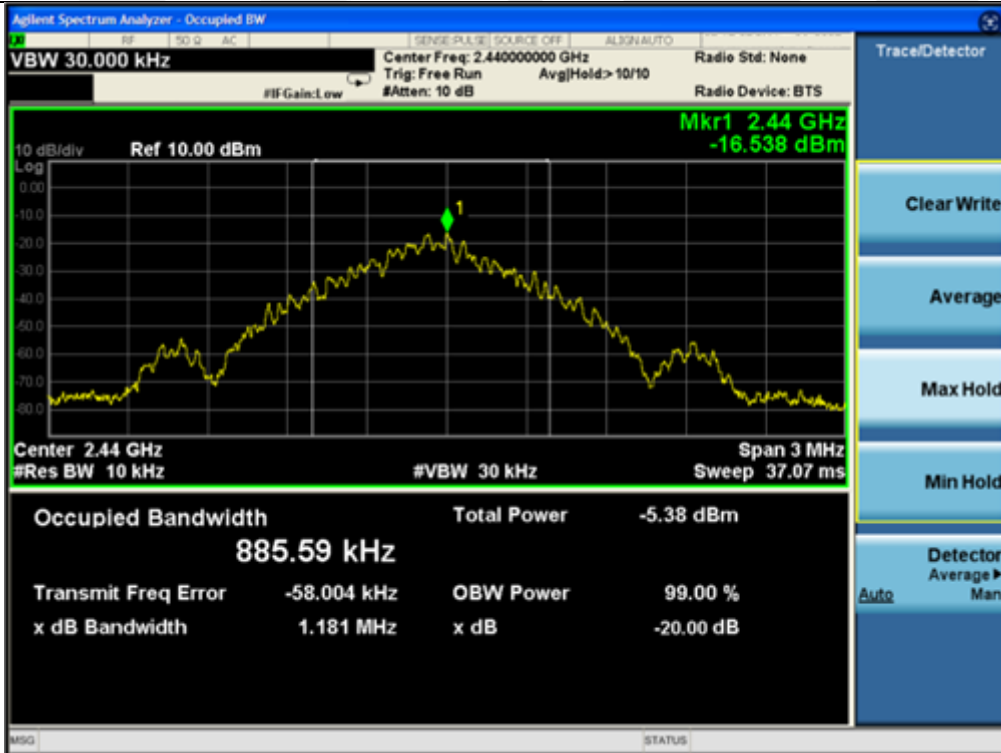
| Frequency (MHz) | 20 dB Bandwidth (kHz) | Verdict |
|-----------------|-----------------------|---------|
| 2409            | 848.7                 | Pass    |
| 2440            | 1181.0                | Pass    |
| 2470            | 1330.0                | Pass    |

Test Plot

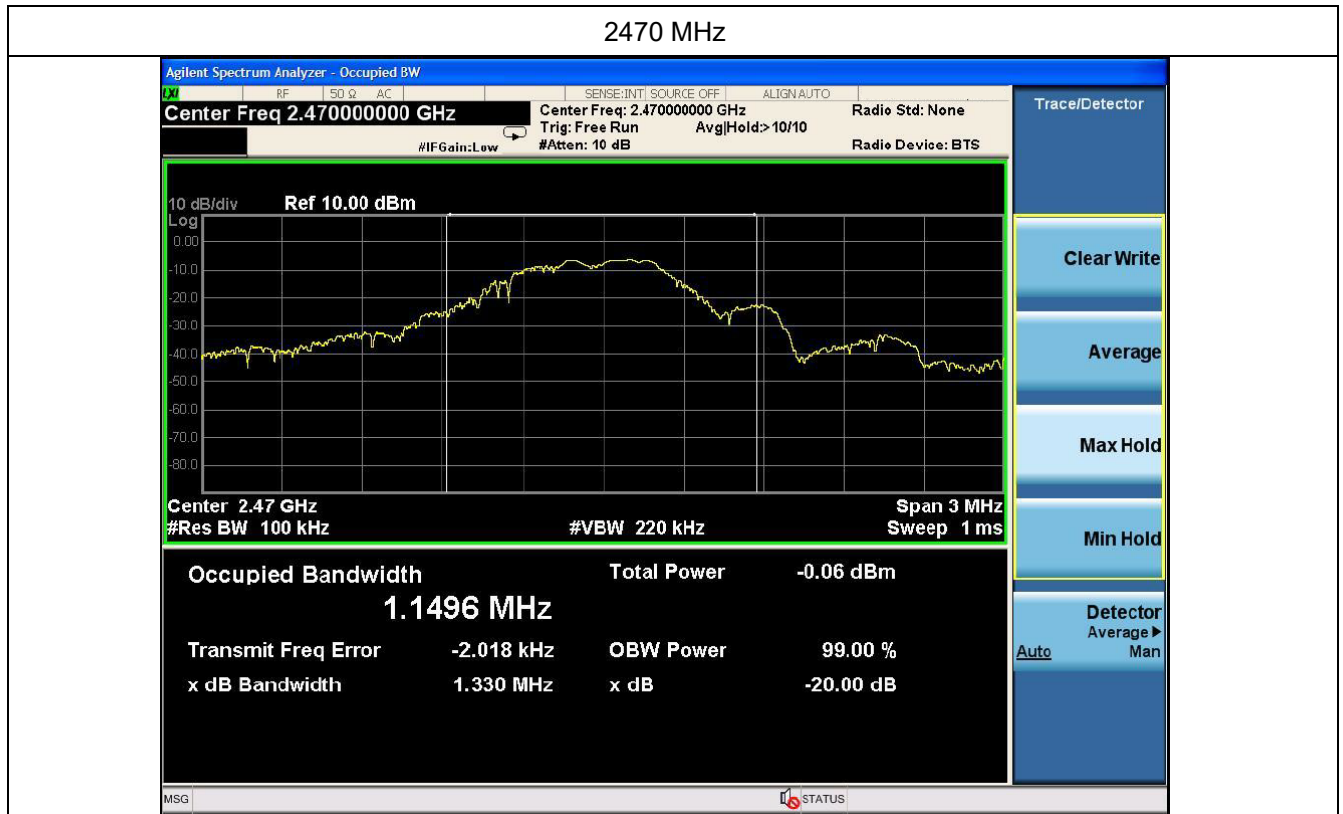
2409 MHz



2440 MHz







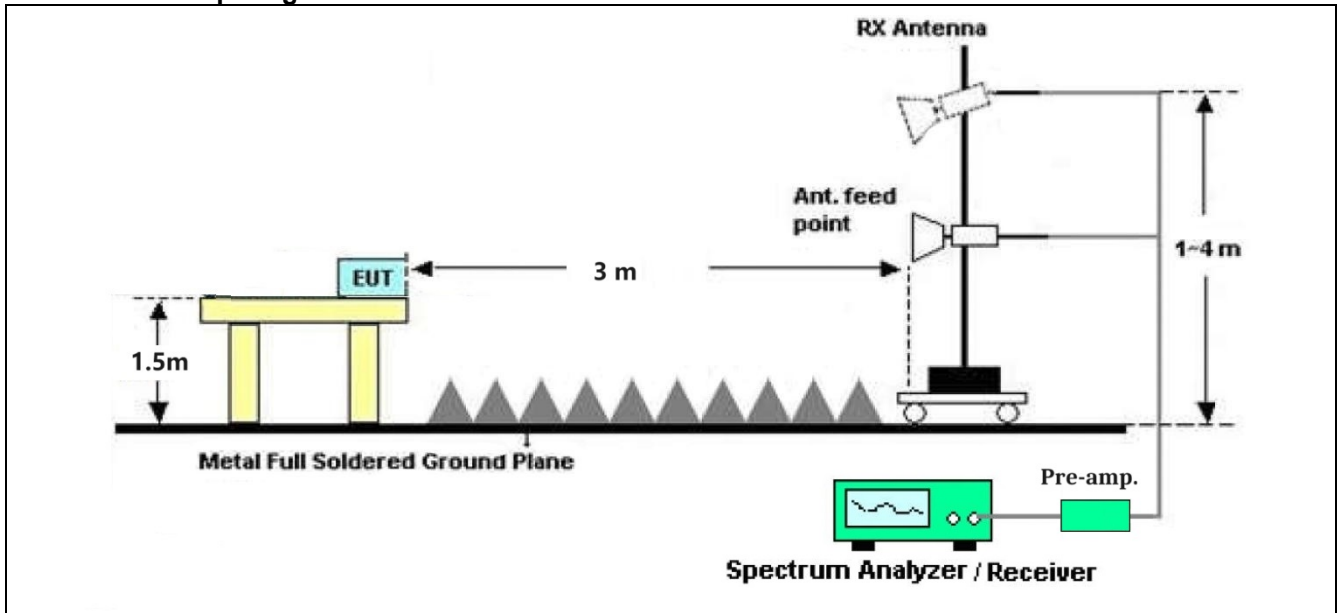


## 5.4 Band Edge Emissions (Restricted frequency bands)

### 5.4.1 Test Requirement

|  |  |                                   |                               |           |
|--|--|-----------------------------------|-------------------------------|-----------|
| Test Requirement   | Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).                  |                                   |                               |           |
| Test Limit   | 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                            |           |
|  | 30-88  | 100 **                            | 3                             |           |
|  | 88-216   | 150 **                            | 3                             |           |
|  | 216-960  | 200 **                            | 3                             |           |
|  | Above 960  | 500                               | 3                             |           |
|  | <b>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</b> |                                   |                               |           |
|  | <b>Restricted frequency bands:</b>   |                                   |                               |           |
|  | MHz  | MHz                               | MHz                           | GHz       |
|  | 0.090-0.110  | 16.42-16.423                      | 399.9-410                     | 4.5-5.15  |
|  | 0.495-0.505  | 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                         |                               |           |
| 13.36-13.41  |  |                                   |                               |           |
| <b>Note:</b>   |  |                                   |                               |           |
| 1) Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].  |  |                                   |                               |           |
| 2) In the emission tables above, the tighter limit applies at the band edges.  |  |                                   |                               |           |
| 3) For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. |  |                                   |                               |           |
| 4) For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).   |  |                                   |                               |           |
| Test Method  | ANSI C63.10-2020 section 6.6.4   |                                   |                               |           |

#### 5.4.2 Test Setup Diagram



#### 5.4.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold.

#### 5.4.4 Test Data

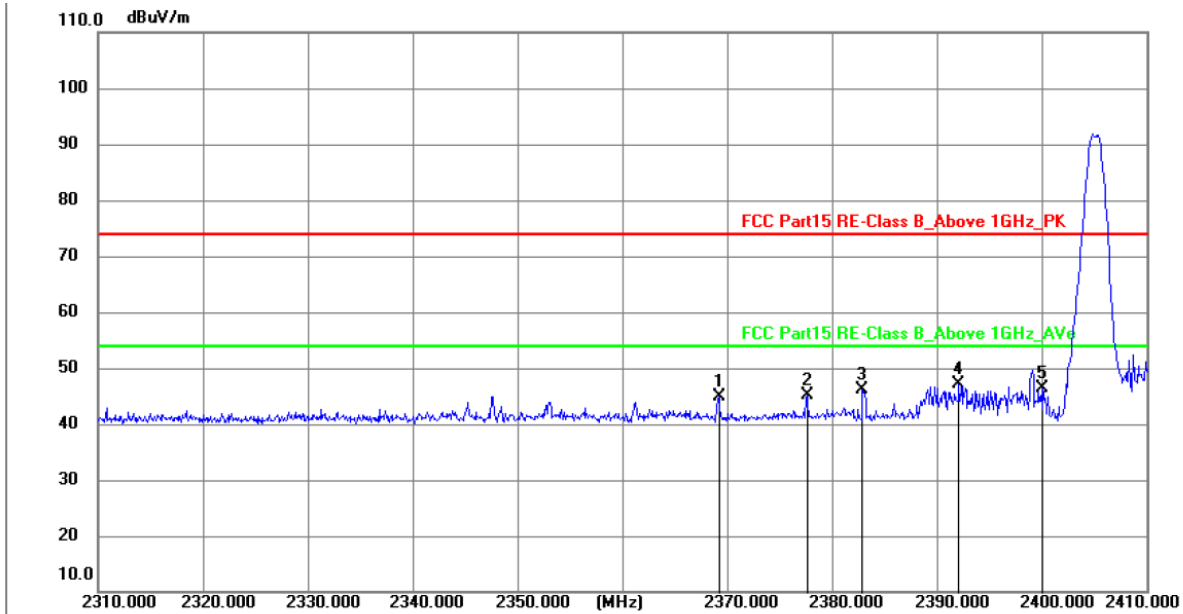
**PASS.**

Please refer to the following pages.

**Band Edge Emissions (Restricted frequency bands):**
**Test Site:** 966 Chamber #1

**Test Mode:** Low Channel

**Distance:** 3m

**Polarization:** Horizontal


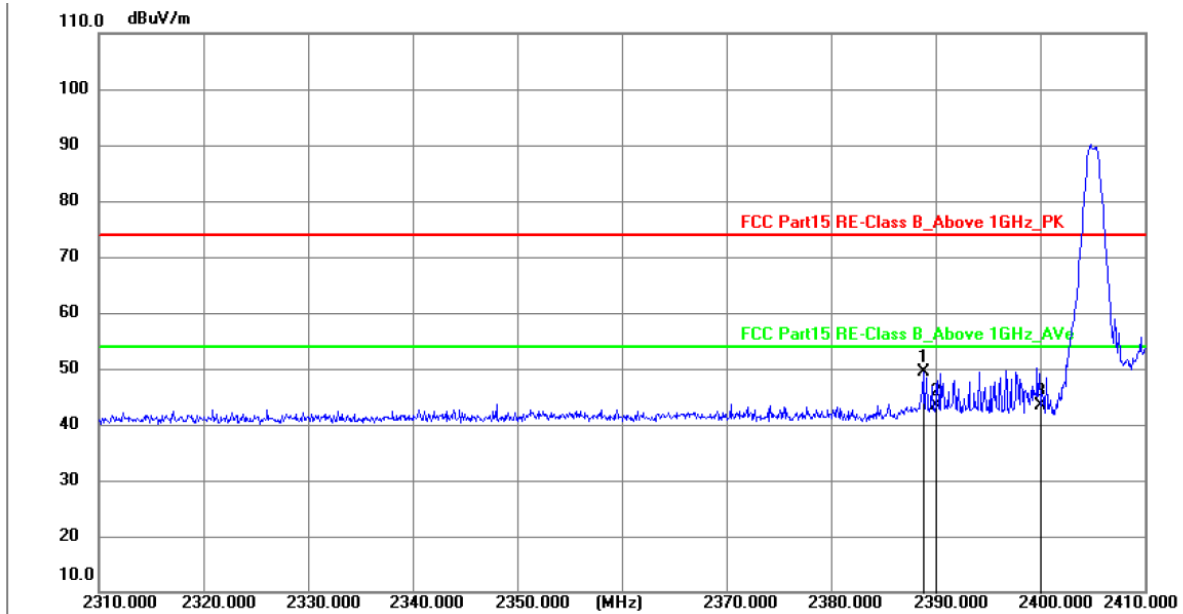
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2369.200        | 47.11          | -2.30         | 44.81          | 74.00          | -29.19      | peak     |             |                | P   |        |
| 2   | 2377.600        | 47.37          | -2.29         | 45.08          | 74.00          | -28.92      | peak     |             |                | P   |        |
| 3   | 2382.900        | 48.44          | -2.28         | 46.16          | 74.00          | -27.84      | peak     |             |                | P   |        |
| 4 * | 2392.100        | 49.47          | -2.26         | 47.21          | 74.00          | -26.79      | peak     |             |                | P   |        |
| 5   | 2400.000        | 48.73          | -2.24         | 46.49          | 74.00          | -27.51      | peak     |             |                | P   |        |

**Note: Level = Reading + Factor**
**Margin = Level - Limit**

**Band Edge Emissions (Restricted frequency bands):**
**Test Site:** 966 Chamber #1

**Test Mode:** Low Channel

**Distance:** 3m

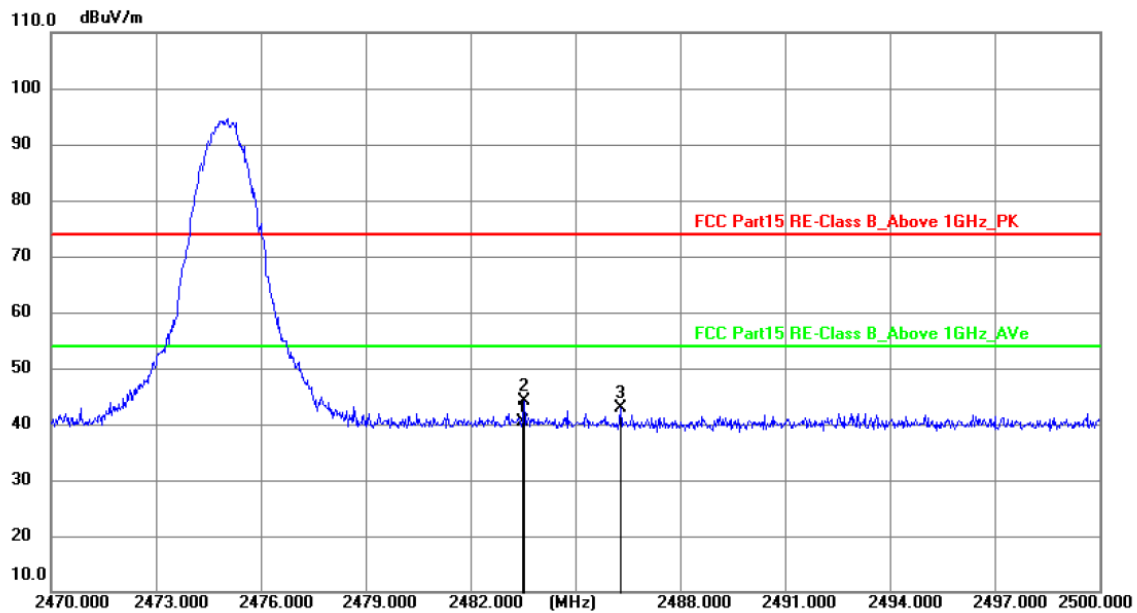
**Polarization:** Vertical


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 * | 2388.800        | 51.70          | -2.26         | 49.44          | 74.00          | -24.56      | peak     | 150         | 360            | P   |        |
| 2   | 2390.000        | 45.76          | -2.26         | 43.50          | 74.00          | -30.50      | peak     | 150         | 360            | P   |        |
| 3   | 2400.000        | 45.66          | -2.24         | 43.42          | 74.00          | -30.58      | peak     |             |                | P   |        |

**Note: Level = Reading + Factor**
**Margin = Level - Limit**

**Band Edge Emissions (Restricted frequency bands):**

|                   |                |                      |              |
|-------------------|----------------|----------------------|--------------|
| <b>Test Site:</b> | 966 Chamber #1 | <b>Test Mode:</b>    | High Channel |
| <b>Distance:</b>  | 3m             | <b>Polarization:</b> | Horizontal   |

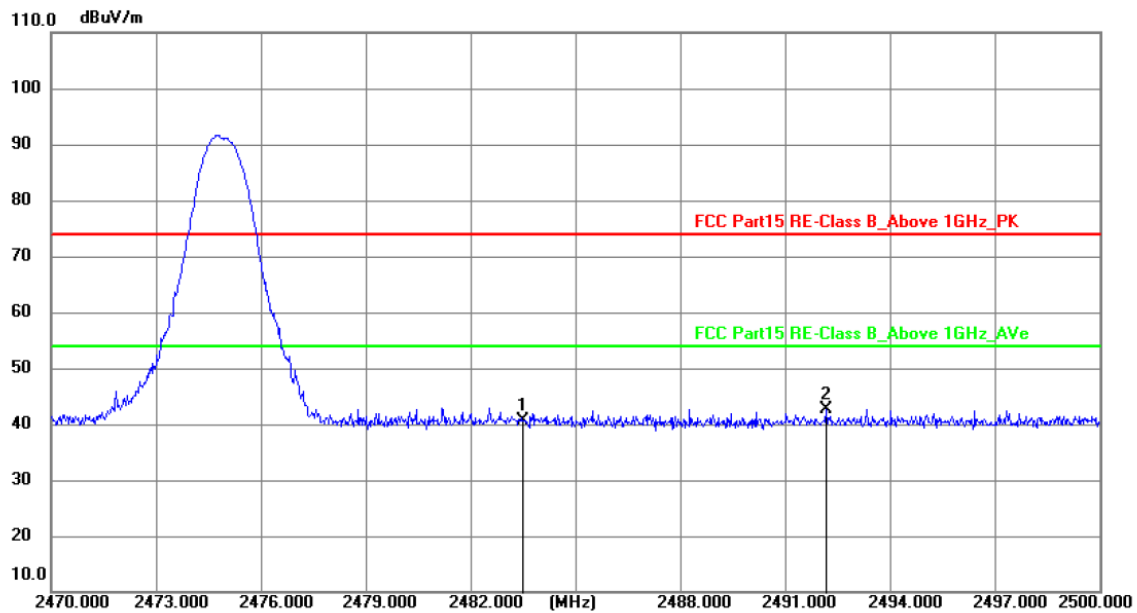


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2483.500        | 42.40          | -2.07         | 40.33          | 74.00          | -33.67      | peak     | 150         | 0              | P   |        |
| 2 * | 2483.530        | 46.14          | -2.07         | 44.07          | 74.00          | -29.93      | peak     | 150         | 0              | P   |        |
| 3   | 2486.290        | 45.07          | -2.07         | 43.00          | 74.00          | -31.00      | peak     | 150         | 0              | P   |        |

**Note: Level = Reading + Factor**
**Margin = Level - Limit**

**Band Edge Emissions (Restricted frequency bands):**

|                   |                |                      |              |
|-------------------|----------------|----------------------|--------------|
| <b>Test Site:</b> | 966 Chamber #1 | <b>Test Mode:</b>    | High Channel |
| <b>Distance:</b>  | 3m             | <b>Polarization:</b> | Vertical     |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2483.500        | 42.68          | -2.07         | 40.61          | 74.00          | -33.39      | peak     | 150         | 0              | P   |        |
| 2 * | 2492.170        | 44.65          | -2.05         | 42.60          | 74.00          | -31.40      | peak     | 150         | 0              | P   |        |

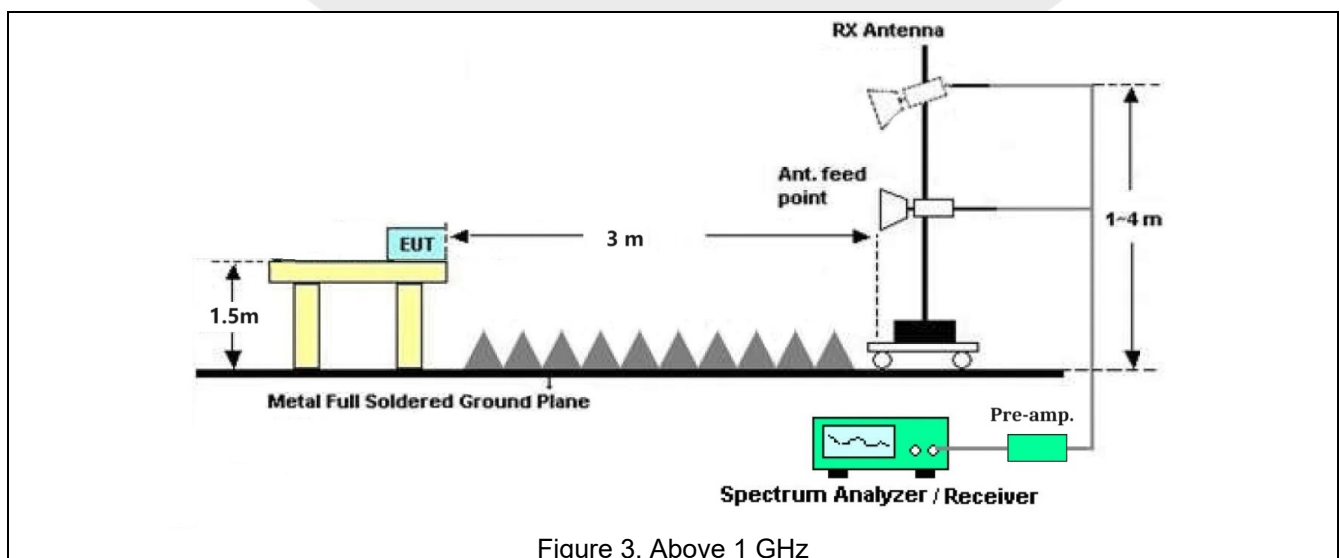
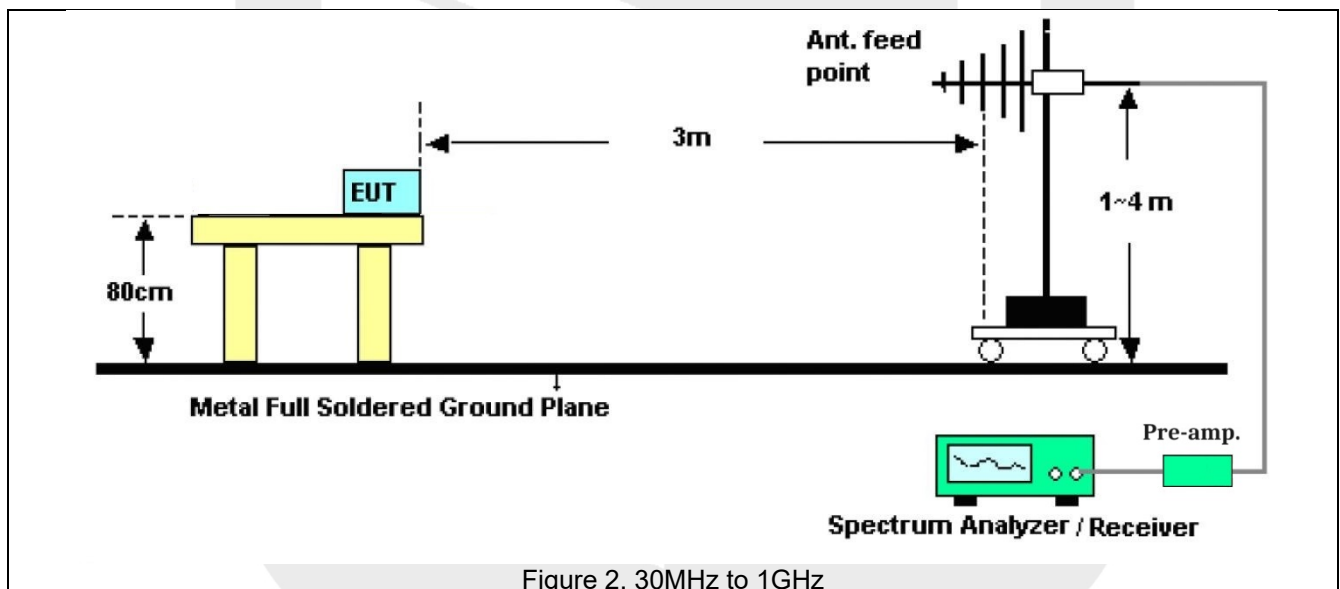
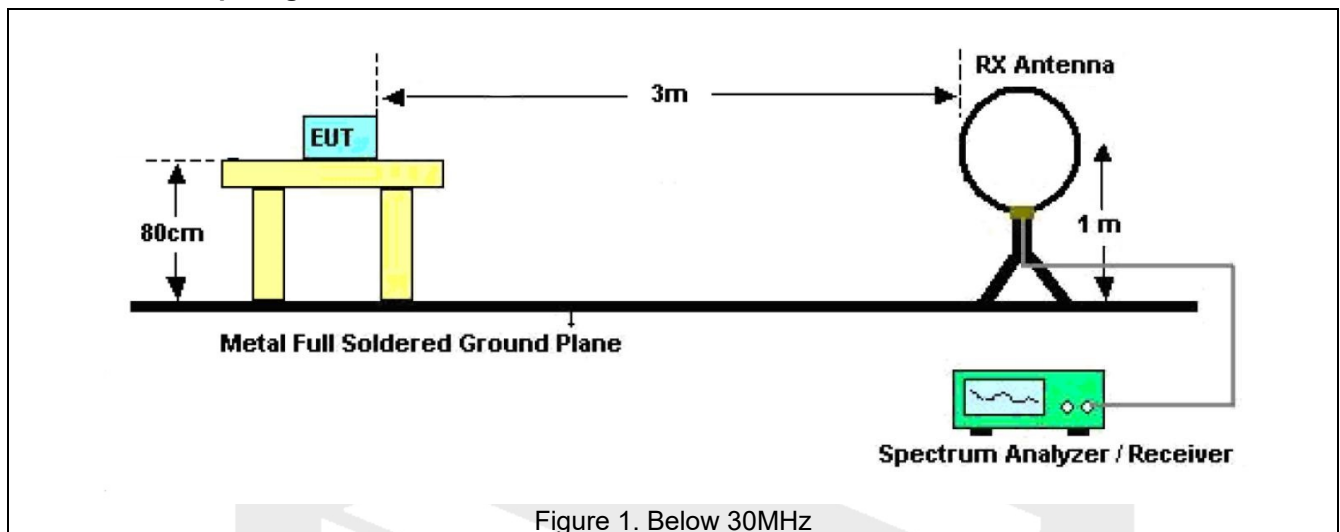
**Note: Level = Reading + Factor**
**Margin = Level - Limit**

## 5.5 Fundamental and Radiated Spurious Emission

### 5.5.1 Test Requirement

|   |   |  |  |
|---|---|--|--|
| Test Requirement  | In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).            |  |  |
| Test Limit  | § 15.249 (a):<br>Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following: |  |  |
|   | Fundamental frequency   | Field strength of fundamental emissions (mV/m) | Field strength of harmonics emissions (microvolts/meter) |
|   | 902-928 MHz   | 50   | 500  |
|   | 2400-2483.5 MHz   | 50   | 500  |
|   | 5725-5875 MHz   | 50   | 500  |
|   | 24.0-24.25 GHz  | 250  | 2500   |
|   | Field strength limits are specified at a distance of 3 meters.  |  |  |
|   | § 15.209:   |  |  |
|   | 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   |  |
| 30-88   | 100 **  | 3  |  |
| 88-216  | 150 **  | 3  |  |
| 216-960   | 200 **  | 3  |  |
| Above 960   | 500   | 3  |  |
| ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. |   |  |  |
| Note:   |   |  |  |
| 1) Field Strength (dBµV/m) = 20*log[Field Strength (µV/m)].   |   |  |  |
| 2) In the emission tables above, the tighter limit applies at the band edges.   |   |  |  |
| 3) For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.  |   |  |  |
| 4) For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).  |   |  |  |
| Test Method   | ANSI C63.10-2020 section 6.6.4  |  |  |

## 5.5.2 Test Setup Diagram





### 5.5.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power.

Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9kHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:

RBW = 1MHz, VBW = 1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

RBW = 1MHz, VBW = 10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

For measurement below 1GHz, 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.

### 5.5.4 Test Data

**PASS.**

Please to see the following pages.

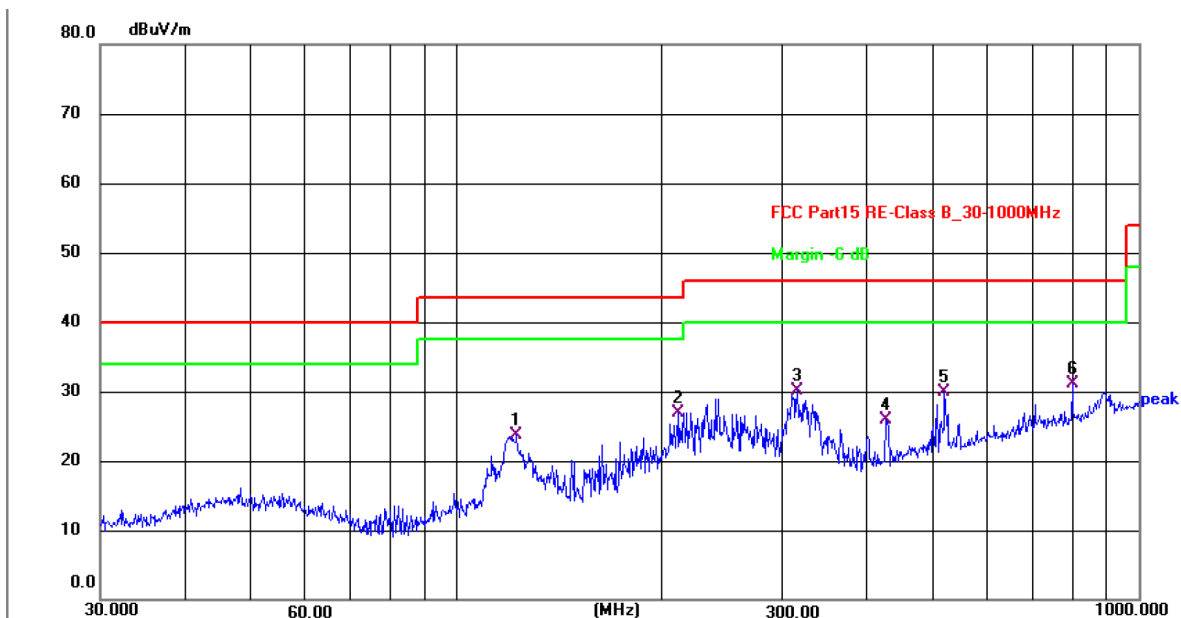
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

For test of 30MHz-1GHz, during the test, pre-scan all modes, only the worst case is recorded in the report.

**Radiated Emission Test Data (30-1000MHz)**
**Test Site:** 966 Chamber #1

**Polarization:** Horizontal

**Distance:** 3m

**Test Mode:** TM1/ CH High


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1   | 122.4040        | 40.74          | -17.06        | 23.68          | 43.50          | -19.82      | QP       | P   |        |
| 2   | 211.5265        | 41.66          | -14.66        | 27.00          | 43.50          | -16.50      | QP       | P   |        |
| 3   | 315.4808        | 41.77          | -11.66        | 30.11          | 46.00          | -15.89      | QP       | P   |        |
| 4   | 425.0280        | 35.49          | -9.53         | 25.96          | 46.00          | -20.04      | QP       | P   |        |
| 5   | 519.0649        | 38.00          | -8.04         | 29.96          | 46.00          | -16.04      | QP       | P   |        |
| 6 * | 798.9797        | 35.04          | -3.98         | 31.06          | 46.00          | -14.94      | QP       | P   |        |

**Note: Level = Reading + Factor**
**Margin = Level - Limit**

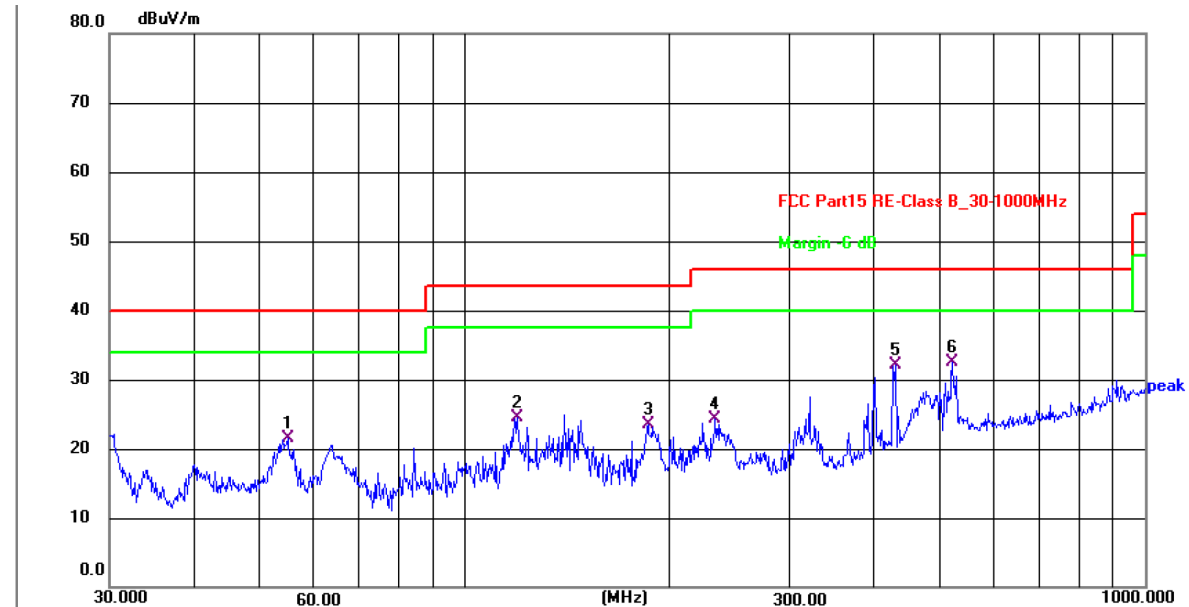
**Radiated Emission Test Data (30-1000MHz)**

**Test Site:** 966 Chamber #1

**Polarization:** Vertical

**Distance:** 3m

**Test Mode:** TM1/ CH High



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1   | 54.8348         | 35.91          | -14.50        | 21.41          | 40.00          | -18.59      | QP       | P   |        |
| 2   | 119.4361        | 41.33          | -16.88        | 24.45          | 43.50          | -19.05      | QP       | P   |        |
| 3   | 185.7882        | 39.60          | -16.10        | 23.50          | 43.50          | -20.00      | QP       | P   |        |
| 4   | 233.3487        | 38.36          | -14.02        | 24.34          | 46.00          | -21.66      | QP       | P   |        |
| 5   | 429.5228        | 41.65          | -9.46         | 32.19          | 46.00          | -13.81      | QP       | P   |        |
| 6 * | 520.8882        | 40.39          | -7.89         | 32.50          | 46.00          | -13.50      | QP       | P   |        |

**Note: Level = Reading + Factor**

**Margin = Level - Limit**

**Field strength of the Fundamental signal Test Data**

| Test Mode: GFSK |             |                |                       |                 |                |                |                |             |               |        |
|-----------------|-------------|----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|---------------|--------|
| Pol.            | Freq. (MHz) | Reading (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Amplifier (dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector Type | Result |
| H               | 2409        | 94.13          | 31.21                 | 2.17            | 35.30          | 92.21          | 114.00         | -21.79      | PK            | PASS   |
| H               | 2409        | 84.98          | 31.21                 | 2.17            | 35.30          | 83.06          | 94.00          | -10.94      | AV            | PASS   |
| V               | 2409        | 93.36          | 31.21                 | 2.17            | 35.30          | 91.44          | 114.00         | -22.56      | PK            | PASS   |
| V               | 2409        | 83.38          | 31.21                 | 2.17            | 35.30          | 81.46          | 94.00          | -12.54      | AV            | PASS   |
| H               | 2440        | 94.44          | 31.21                 | 2.17            | 35.30          | 92.52          | 114.00         | -21.48      | PK            | PASS   |
| H               | 2440        | 82.03          | 31.21                 | 2.17            | 35.30          | 80.11          | 94.00          | -13.89      | AV            | PASS   |
| V               | 2440        | 96.52          | 31.21                 | 2.17            | 35.30          | 94.60          | 114.00         | -19.40      | PK            | PASS   |
| V               | 2440        | 85.83          | 31.21                 | 2.17            | 35.30          | 83.91          | 94.00          | -10.09      | AV            | PASS   |
| H               | 2470        | 96.45          | 31.21                 | 2.17            | 35.30          | 94.53          | 114.00         | -19.47      | PK            | PASS   |
| H               | 2470        | 82.85          | 31.21                 | 2.17            | 35.30          | 80.93          | 94.00          | -13.07      | AV            | PASS   |
| V               | 2470        | 94.88          | 31.21                 | 2.17            | 35.30          | 92.96          | 114.00         | -21.04      | PK            | PASS   |
| V               | 2470        | 82.46          | 31.21                 | 2.17            | 35.30          | 80.54          | 94.00          | -13.46      | AV            | PASS   |

**Radiated Spurious Emission (1GHz-25GHz)**

| Test Mode: GFSK |                 |                |               |                         | CH Low: 2405 MHz |             |               |        |
|-----------------|-----------------|----------------|---------------|-------------------------|------------------|-------------|---------------|--------|
| Pol.            | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Emission level (dBuV/m) | Limit (dBuV/m)   | Margin (dB) | Detector Type | Result |
| V               | 4810.69         | 41.78          | 4.92          | 46.70                   | 74.00            | -27.30      | PK            | PASS   |
| V               | 7215.76         | 34.78          | 9.83          | 44.61                   | 74.00            | -29.40      | PK            | PASS   |
| V               | 9620.36         | 31.00          | 13.22         | 44.22                   | 74.00            | -29.78      | PK            | PASS   |
| V               | 12025.73        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| V               | 14430.34        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| V               | 16835.24        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| H               | 4810.16         | 41.28          | 4.92          | 46.20                   | 74.00            | -27.81      | PK            | PASS   |
| H               | 7215.37         | 33.82          | 9.83          | 43.65                   | 74.00            | -30.36      | PK            | PASS   |
| H               | 9620.90         | 29.83          | 13.22         | 43.05                   | 74.00            | -30.96      | PK            | PASS   |
| H               | 12025.86        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| H               | 14430.03        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| H               | 16835.97        | *              | *             | *                       | 74.00            | *           | PK            | PASS   |
| V               | 4810.43         | 32.72          | 4.92          | 37.64                   | 54.00            | -16.36      | AV            | PASS   |
| V               | 7215.82         | 23.80          | 9.83          | 33.63                   | 54.00            | -20.37      | AV            | PASS   |
| V               | 9620.33         | 17.31          | 13.22         | 30.53                   | 54.00            | -23.48      | AV            | PASS   |
| V               | 12025.99        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |
| V               | 14430.93        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |
| V               | 16835.77        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |
| H               | 4810.16         | 32.13          | 4.92          | 37.05                   | 54.00            | -16.95      | AV            | PASS   |
| H               | 7215.37         | 22.10          | 9.83          | 31.93                   | 54.00            | -22.07      | AV            | PASS   |
| H               | 9620.90         | 17.74          | 13.22         | 30.96                   | 54.00            | -23.05      | AV            | PASS   |
| H               | 12025.86        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |
| H               | 14430.03        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |
| H               | 16835.97        | *              | *             | *                       | 54.00            | *           | AV            | PASS   |

**Remark:**

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “\*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

**Radiated Spurious Emission (1GHz-25GHz)**

| Test Mode: GFSK |                 |                |               |                         | CH Middle: 2440 MHz |             |               |        |
|-----------------|-----------------|----------------|---------------|-------------------------|---------------------|-------------|---------------|--------|
| Pol.            | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Emission level (dBuV/m) | Limit (dBuV/m)      | Margin (dB) | Detector Type | Result |
| V               | 4880.07         | 41.75          | 4.92          | 46.67                   | 74.00               | -27.34      | PK            | PASS   |
| V               | 7320.52         | 34.73          | 9.83          | 44.56                   | 74.00               | -29.44      | PK            | PASS   |
| V               | 9760.77         | 28.24          | 13.22         | 41.46                   | 74.00               | -32.54      | PK            | PASS   |
| V               | 12200.69        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| V               | 14640.06        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| V               | 17080.37        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| H               | 4880.68         | 41.85          | 4.92          | 46.77                   | 74.00               | -27.23      | PK            | PASS   |
| H               | 7320.23         | 34.16          | 9.83          | 43.99                   | 74.00               | -30.02      | PK            | PASS   |
| H               | 9760.38         | 29.97          | 13.22         | 43.19                   | 74.00               | -30.81      | PK            | PASS   |
| H               | 12200.27        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| H               | 14640.55        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| H               | 17080.06        | *              | *             | *                       | 74.00               | *           | PK            | PASS   |
| V               | 4880.06         | 30.35          | 4.92          | 35.27                   | 54.00               | -18.74      | AV            | PASS   |
| V               | 7320.32         | 22.89          | 9.83          | 32.72                   | 54.00               | -21.29      | AV            | PASS   |
| V               | 9760.12         | 18.53          | 13.22         | 31.75                   | 54.00               | -22.25      | AV            | PASS   |
| V               | 12200.25        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |
| V               | 14640.58        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |
| V               | 17080.45        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |
| H               | 4880.68         | 30.83          | 4.92          | 35.75                   | 54.00               | -18.26      | AV            | PASS   |
| H               | 7320.23         | 23.97          | 9.83          | 33.80                   | 54.00               | -20.21      | AV            | PASS   |
| H               | 9760.38         | 17.29          | 13.22         | 30.51                   | 54.00               | -23.50      | AV            | PASS   |
| H               | 12200.27        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |
| H               | 14640.55        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |
| H               | 17080.06        | *              | *             | *                       | 54.00               | *           | AV            | PASS   |

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “\*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

**Radiated Spurious Emission (1GHz-25GHz)**

| Test Mode: GFSK |                 |                |               |                         | CH High: 2475 MHz |             |               |        |
|-----------------|-----------------|----------------|---------------|-------------------------|-------------------|-------------|---------------|--------|
| Pol.            | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Emission level (dBuV/m) | Limit (dBuV/m)    | Margin (dB) | Detector Type | Result |
| V               | 4950.59         | 43.00          | 5.17          | 48.17                   | 74.00             | -25.83      | PK            | PASS   |
| V               | 7425.10         | 36.00          | 9.83          | 45.83                   | 74.00             | -28.18      | PK            | PASS   |
| V               | 9900.68         | 30.16          | 13.27         | 43.43                   | 74.00             | -30.57      | PK            | PASS   |
| V               | 12375.34        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| V               | 14850.44        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| V               | 17325.49        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| H               | 4950.57         | 41.48          | 5.17          | 46.65                   | 74.00             | -27.36      | PK            | PASS   |
| H               | 7425.09         | 34.18          | 9.83          | 44.01                   | 74.00             | -30.00      | PK            | PASS   |
| H               | 9900.82         | 29.35          | 13.27         | 42.62                   | 74.00             | -31.39      | PK            | PASS   |
| H               | 12375.73        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| H               | 14850.13        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| H               | 17325.43        | *              | *             | *                       | 74.00             | *           | PK            | PASS   |
| V               | 4950.87         | 32.17          | 5.17          | 37.34                   | 54.00             | -16.66      | AV            | PASS   |
| V               | 7425.24         | 22.37          | 9.83          | 32.20                   | 54.00             | -21.80      | AV            | PASS   |
| V               | 9900.39         | 17.96          | 13.27         | 31.23                   | 54.00             | -22.77      | AV            | PASS   |
| V               | 12375.85        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |
| V               | 14850.67        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |
| V               | 17325.51        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |
| H               | 4950.57         | 30.11          | 5.17          | 35.28                   | 54.00             | -18.73      | AV            | PASS   |
| H               | 7425.09         | 22.90          | 9.83          | 32.73                   | 54.00             | -21.28      | AV            | PASS   |
| H               | 9900.82         | 17.31          | 13.27         | 30.58                   | 54.00             | -23.42      | AV            | PASS   |
| H               | 12375.73        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |
| H               | 14850.13        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |
| H               | 17325.43        | *              | *             | *                       | 54.00             | *           | AV            | PASS   |

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “\*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

## **ANNEX A TEST SETUP PHOTOS**

Please refer to the document "8327EU012403W-AA.PDF"

## **ANNEX B EXTERNAL PHOTOS**

Please refer to the document "8327EU012403W-AB.PDF"

## **ANNEX C INTERNAL PHOTOS**

Please refer to the document "8327EU012403W-AC.PDF"





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