

# TEST REPORT

**Applicant:** Broan-NuTone LLC

**Address of Applicant:** 926 West State Street, Hartford, Wisconsin 53027, United States

**Manufacturer /Factory:** Computime Electronics (Shenzhen) Company Limited

**Address of Manufacturer/Factory:** Yuekenguangyu Industrial Park, Kangqiao Road 88#, Danzhutou Community, Nanwan Street office, Longgang District, Shenzhen, China

**Equipment Under Test (EUT)**

Product Name: Wall control

Model No.: 1103434

Trade Mark: Broan-NuTone

**FCC ID:** 2ADLL-1103434

**IC:** 2143B-1103434

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247  
RSS-247 Issue 2  
RSS-Gen Issue 5

**Date of sample receipt:** November 04, 2020

**Date of Test:** November 05-13, 2020

**Date of report issued:** November 16, 2020

**Test Result :** PASS \*

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

Authorized Signature:



**Robinson Lo**

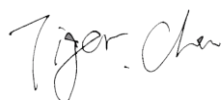
**Laboratory Manager**

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## 2 Version

| Version No. | Date              | Description |
|-------------|-------------------|-------------|
| 00          | November 16, 2020 | Original    |
|             |                   |             |
|             |                   |             |
|             |                   |             |
|             |                   |             |

Prepared By:

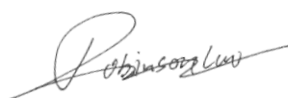


Date:

November 16, 2020

Project Engineer

Check By:



Date:

November 16, 2020

Reviewer

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## 4 Test Summary

| Test Item                        | Section in CFR 47                         | Result |
|----------------------------------|-------------------------------------------|--------|
| Antenna requirement              | 15.203/15.247 (c)<br>RSS-Gen Section 6.8  | Pass   |
| AC Power Line Conducted Emission | 15.207<br>RSS-Gen Section 8.8             | Pass   |
| Conducted Output Power           | 15.247 (b)(3)<br>RSS-247 Section 5.4(d)   | Pass   |
| Channel Bandwidth                | 15.247 (a)(2)<br>RSS-247 Section 5.2(a)   | Pass   |
| 99% Occupy Bandwidth             | RSS-Gen Section 6.7                       |        |
| Power Spectral Density           | 15.247 (e)<br>RSS-247 Section 5.2(b)      | Pass   |
| Band Edge                        | 15.247(d)<br>RSS-247 Section 5.5          | Pass   |
| Spurious Emission                | 15.205/15.209<br>RSS-Gen Section 8.9 8.10 | Pass   |
| Frequency stability              | RSS-Gen Section 6.11& Section 8.11        | Pass   |

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10:2013 and RSS-Gen.

### Measurement Uncertainty

| Test Item                        | Frequency Range | Measurement Uncertainty | Notes |
|----------------------------------|-----------------|-------------------------|-------|
| Radiated Emission                | 30MHz-200MHz    | 3.8039dB                | (1)   |
| Radiated Emission                | 200MHz-1GHz     | 3.9679dB                | (1)   |
| Radiated Emission                | 1GHz-18GHz      | 4.29dB                  | (1)   |
| Radiated Emission                | 18GHz-40GHz     | 3.30dB                  | (1)   |
| AC Power Line Conducted Emission | 0.15MHz ~ 30MHz | 3.44dB                  | (1)   |

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

## 5 General Information

### 5.1 General Description of EUT

|                      |                               |
|----------------------|-------------------------------|
| Product Name:        | Wall control                  |
| Model No.:           | 1103434                       |
| Test sample(s) ID:   | GTS202011000034-1             |
| Sample(s) Status:    | Engineer sample               |
| Serial No.:          | N/A                           |
| Hardware Version:    | Rev 4.0                       |
| Software Version:    | ESP v 0.2.5<br>STM v 0.4.4    |
| Operation Frequency: | 2402MHz~2480MHz               |
| Channel Numbers:     | 40                            |
| Channel Separation:  | 2MHz                          |
| Modulation Type:     | GFSK                          |
| Antenna Type:        | Integral Antenna              |
| Antenna Gain:        | 3.23dBi(declare by applicant) |
| Power supply:        | AC 120V/60Hz                  |

| Operation Frequency each of channel |           |         |           |         |           |         |           |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                             | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                   | 2402 MHz  | 11      | 2422 MHz  | 21      | 2442 MHz  | 31      | 2462 MHz  |
| 2                                   | 2404 MHz  | 12      | 2424 MHz  | 22      | 2444 MHz  | 32      | 2464 MHz  |
| 3                                   | 2406 MHz  | 13      | 2426 MHz  | 23      | 2446 MHz  | 33      | 2466 MHz  |
| 4                                   | 2408 MHz  | 14      | 2428 MHz  | 24      | 2448 MHz  | 34      | 2468 MHz  |
| 5                                   | 2410 MHz  | 15      | 2430 MHz  | 25      | 2450 MHz  | 35      | 2470 MHz  |
| 6                                   | 2412 MHz  | 16      | 2432 MHz  | 26      | 2452 MHz  | 36      | 2472 MHz  |
| 7                                   | 2414 MHz  | 17      | 2434 MHz  | 27      | 2454 MHz  | 37      | 2474 MHz  |
| 8                                   | 2416 MHz  | 18      | 2436 MHz  | 28      | 2456 MHz  | 38      | 2476 MHz  |
| 9                                   | 2418 MHz  | 19      | 2438 MHz  | 29      | 2458 MHz  | 39      | 2478 MHz  |
| 10                                  | 2420 MHz  | 20      | 2440 MHz  | 30      | 2460 MHz  | 40      | 2480 MHz  |

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  | 2402MHz   |
| The middle channel  | 2440MHz   |
| The Highest channel | 2480MHz   |

## 5.2 Test mode

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

## 5.3 Description of Support Units

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

## 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/>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. Registration 381383.</li> <li>• <b>IC —Registration No.: 9079A</b><br/>The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A</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). LAB CODE:600179-0</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5.7 Test Location

|                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All tests were performed at:                                                                                                                                                                                                                                  |
| <p>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</p> |

## 5.8 Additional instructions

|                   |                                        |
|-------------------|----------------------------------------|
| Test Software     | Test software provide 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        | July. 02 2020       | July. 01 2025           |
| 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        | June. 25 2020       | June. 24 2021           |
| 4                  | BiConiLog Antenna                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9163                    | GTS214        | June. 25 2020       | June. 24 2021           |
| 5                  | Double -ridged waveguide horn       | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D                 | GTS208        | June. 25 2020       | June. 24 2021           |
| 6                  | Horn Antenna                        | ETS-LINDGREN                   | 3160                        | GTS217        | June. 25 2020       | June. 24 2021           |
| 7                  | EMI Test Software                   | AUDIX                          | E3                          | N/A           | N/A                 | N/A                     |
| 8                  | Coaxial Cable                       | GTS                            | N/A                         | GTS213        | June. 25 2020       | June. 24 2021           |
| 9                  | Coaxial Cable                       | GTS                            | N/A                         | GTS211        | June. 25 2020       | June. 24 2021           |
| 10                 | Coaxial cable                       | GTS                            | N/A                         | GTS210        | June. 25 2020       | June. 24 2021           |
| 11                 | Coaxial Cable                       | GTS                            | N/A                         | GTS212        | June. 25 2020       | June. 24 2021           |
| 12                 | Amplifier(100kHz-3GHz)              | HP                             | 8347A                       | GTS204        | June. 25 2020       | June. 24 2021           |
| 13                 | Amplifier(2GHz-20GHz)               | HP                             | 84722A                      | GTS206        | June. 25 2020       | June. 24 2021           |
| 14                 | Amplifier (18-26GHz)                | Rohde & Schwarz                | AFS33-18002<br>650-30-8P-44 | GTS218        | June. 25 2020       | June. 24 2021           |
| 15                 | Band filter                         | Amindeon                       | 82346                       | GTS219        | June. 25 2020       | June. 24 2021           |
| 16                 | Power Meter                         | Anritsu                        | ML2495A                     | GTS540        | June. 25 2020       | June. 24 2021           |
| 17                 | Power Sensor                        | Anritsu                        | MA2411B                     | GTS541        | June. 25 2020       | June. 24 2021           |
| 18                 | Wideband Radio Communication Tester | Rohde & Schwarz                | CMW500                      | GTS575        | June. 25 2020       | June. 24 2021           |
| 19                 | Splitter                            | Agilent                        | 11636B                      | GTS237        | June. 25 2020       | June. 24 2021           |
| 20                 | Loop Antenna                        | ZHINAN                         | ZN30900A                    | GTS534        | June. 25 2020       | June. 24 2021           |
| 21                 | Breitband hornantenne               | SCHWARZBECK                    | BBHA 9170                   | GTS579        | Oct. 18 2020        | Oct. 17 2021            |
| 22                 | Amplifier                           | TDK                            | PA-02-02                    | GTS574        | Oct. 18 2020        | Oct. 17 2021            |
| 23                 | Amplifier                           | TDK                            | PA-02-03                    | GTS576        | Oct. 18 2020        | Oct. 17 2021            |
| 24                 | PSA Series Spectrum Analyzer        | Rohde & Schwarz                | FSP                         | GTS578        | June. 25 2020       | June. 24 2021           |



| 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        | May.15 2019         | May.14 2022             |
| 2                  | EMI Test Receiver         | R&S                     | ESCI 7               | GTS552        | June. 25 2020       | June. 24 2021           |
| 3                  | Coaxial Switch            | ANRITSU CORP            | MP59B                | GTS225        | June. 25 2020       | June. 24 2021           |
| 4                  | ENV216 2-L-V-NETZNACHB.DE | ROHDE&SCHWARZ           | ENV216               | GTS226        | June. 25 2020       | June. 24 2021           |
| 5                  | Coaxial Cable             | GTS                     | N/A                  | GTS227        | N/A                 | N/A                     |
| 6                  | EMI Test Software         | AUDIX                   | E3                   | N/A           | N/A                 | N/A                     |
| 7                  | Thermo meter              | KTJ                     | TA328                | GTS233        | June. 25 2020       | June. 24 2021           |
| 8                  | Absorbing clamp           | Elektronik-Feinmechanik | MDS21                | GTS229        | June. 25 2020       | June. 24 2021           |
| 9                  | ISN                       | SCHWARZBECK             | NTFM 8158            | GTD565        | June. 25 2020       | June. 24 2021           |

| 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     | June. 25 2020       | June. 24 2021           |
| 2                  | EMI Test Receiver                              | R&S          | ESCI 7           | GTS552     | June. 25 2020       | June. 24 2021           |
| 3                  | Spectrum Analyzer                              | Agilent      | E4440A           | GTS533     | June. 25 2020       | June. 24 2021           |
| 4                  | MXG vector Signal Generator                    | Agilent      | N5182A           | GTS567     | June. 25 2020       | June. 24 2021           |
| 5                  | ESG Analog Signal Generator                    | Agilent      | E4428C           | GTS568     | June. 25 2020       | June. 24 2021           |
| 6                  | USB RF Power Sensor                            | DARE         | RPR3006W         | GTS569     | June. 25 2020       | June. 24 2021           |
| 7                  | RF Switch Box                                  | Shongyi      | RFSW3003328      | GTS571     | June. 25 2020       | June. 24 2021           |
| 8                  | Programmable Constant Temp & Humi Test Chamber | WEWON        | WHTH-150L-40-880 | GTS572     | June. 25 2020       | June. 24 2021           |

| General used equipment: |                                 |              |           |               |                     |                         |
|-------------------------|---------------------------------|--------------|-----------|---------------|---------------------|-------------------------|
| Item                    | Test Equipment                  | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                       | Humidity/ Temperature Indicator | KTJ          | TA328     | GTS243        | June. 25 2020       | June. 24 2021           |
| 2                       | Barometer                       | ChangChun    | DYM3      | GTS255        | June. 25 2020       | June. 24 2021           |

## 7 Test results and Measurement Data

### 7.1 Antenna requirement

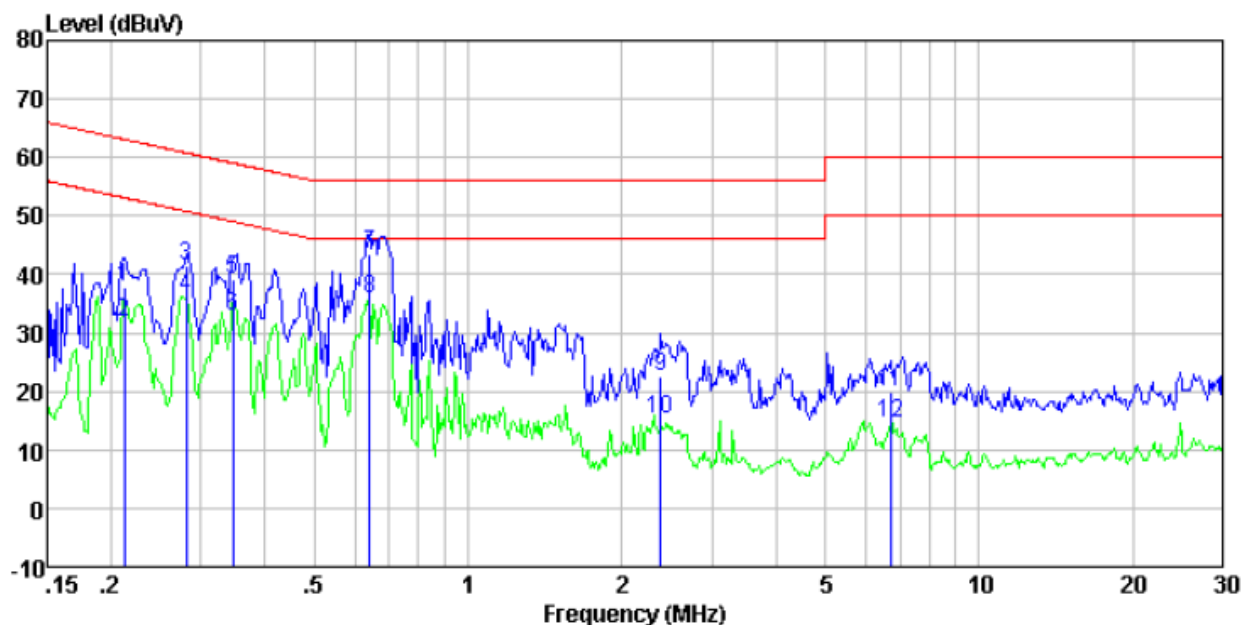
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <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>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RSS-Gen Section 6.8                 |
| A transmitter can only be sold or operated with antennas with which it was approved.<br>When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on measurement or on data from the antenna manufacturer. For transmitters of RF output power of 10 milliwatts or less, only the portion of the antenna gain that is in excess of 6 dBi (6 dB above isotropic gain) shall be added to the measured RF output power to demonstrate compliance with the radiated power limits specified in the applicable standard. For transmitters of output power greater than 10 milliwatts, the total antenna gain shall be added to the measured RF output power to demonstrate compliance to the specified radiated power |                                     |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |
| <i>The antenna is Integral antenna, the best case gain of the is 3.23dBi, reference to the appendix II for details</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |

## 7.2 Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----|-----------|----------|
| Test Requirement:                                | FCC Part15 C Section 15.207<br>RSS-Gen Section 8.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |              |     |           |          |
| Test Method:                                     | ANSI C63.10:2013 and RSS-Gen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |              |     |           |          |
| Test Frequency Range:                            | 150KHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |              |     |           |          |
| Class / Severity:                                | Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |              |     |           |          |
| 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></div> <p><i>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |              |     |           |          |
| Test procedure:                                  | <div><div>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</div><div>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</div><div>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</div></div> |       |              |     |           |          |
| Test Instruments:                                | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |              |     |           |          |
| Test mode:                                       | AC 120V 60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |              |     |           |          |
| Test environment:                                | Temp.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 25 °C | Humid.:      | 52% | Press.:   | 1012mbar |
| Test results:                                    | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |              |     |           |          |

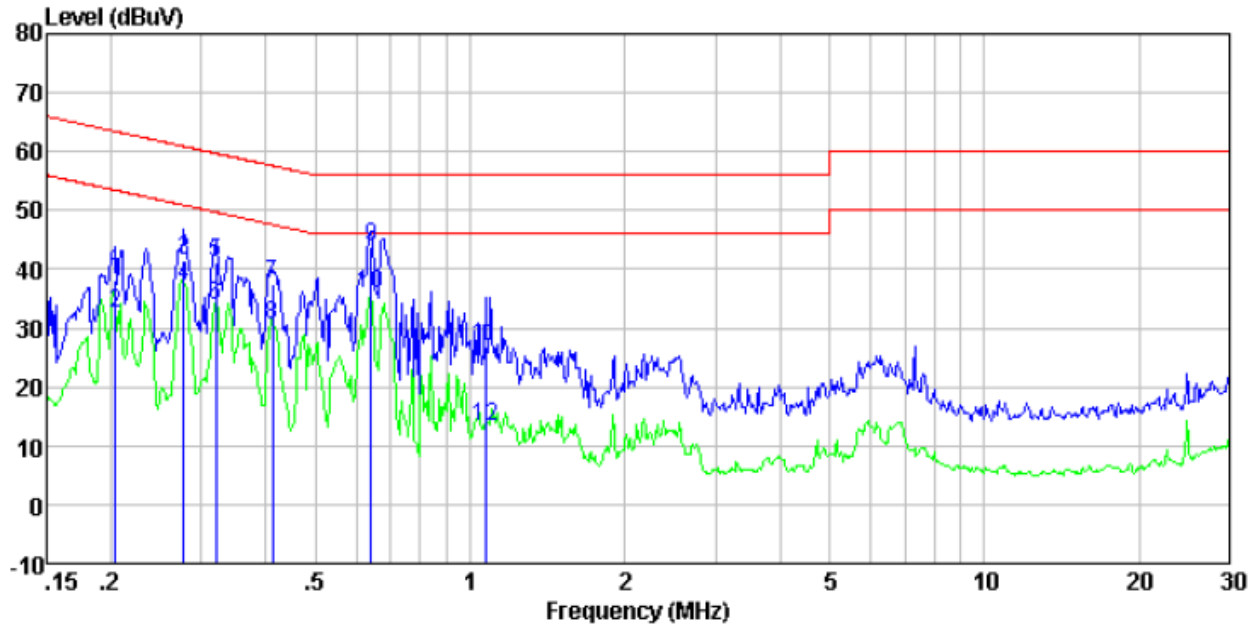
## Measurement data

Line:



| Freq<br>MHz | Reading<br>level<br>dBuV | LISN/ISN<br>factor<br>dB/m | Cable<br>loss<br>dB | Level<br>dBuV | Limit<br>level<br>dBuV | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|----------------------------|---------------------|---------------|------------------------|---------------------|---------|
| 0.21        | 17.47                    | 20.40                      | 0.11                | 37.98         | 63.10                  | -25.12              | QP      |
| 0.21        | 11.45                    | 20.40                      | 0.11                | 31.96         | 53.10                  | -21.14              | Average |
| 0.28        | 21.09                    | 20.40                      | 0.10                | 41.59         | 60.81                  | -19.22              | QP      |
| 0.28        | 15.64                    | 20.40                      | 0.10                | 36.14         | 50.81                  | -14.67              | Average |
| 0.35        | 18.71                    | 20.38                      | 0.10                | 39.19         | 59.05                  | -19.86              | QP      |
| 0.35        | 12.25                    | 20.38                      | 0.10                | 32.73         | 49.05                  | -16.32              | Average |
| 0.64        | 22.99                    | 20.27                      | 0.12                | 43.38         | 56.00                  | -12.62              | QP      |
| 0.64        | 15.36                    | 20.27                      | 0.12                | 35.75         | 46.00                  | -10.25              | Average |
| 2.38        | 2.25                     | 20.20                      | 0.18                | 22.63         | 56.00                  | -33.37              | QP      |
| 2.38        | -5.01                    | 20.20                      | 0.18                | 15.37         | 46.00                  | -30.63              | Average |
| 6.70        | -0.51                    | 20.20                      | 0.18                | 19.87         | 60.00                  | -40.13              | QP      |
| 6.70        | -5.91                    | 20.20                      | 0.18                | 14.47         | 50.00                  | -35.53              | Average |

Neutral:

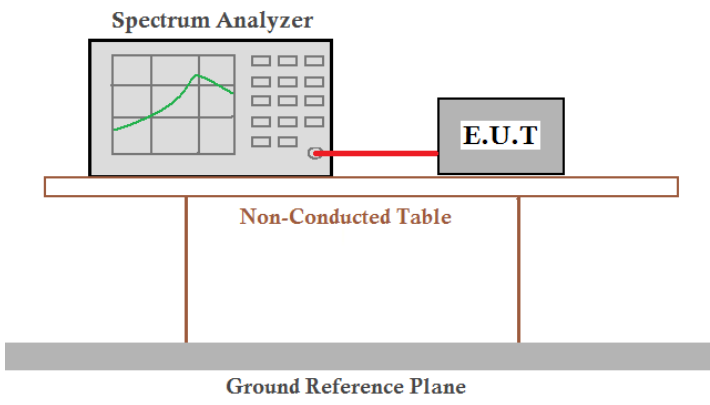


| Freq<br>MHz | Reading<br>level<br>dBuV | LISN/ISN<br>factor<br>dB/m | Cable<br>loss<br>dB | Level<br>dBuV | Limit<br>level<br>dBuV | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|----------------------------|---------------------|---------------|------------------------|---------------------|---------|
| 0.20        | 17.57                    | 20.40                      | 0.11                | 38.08         | 63.45                  | -25.37              | QP      |
| 0.20        | 11.98                    | 20.40                      | 0.11                | 32.49         | 53.45                  | -20.96              | Average |
| 0.28        | 21.00                    | 20.40                      | 0.10                | 41.50         | 60.90                  | -19.40              | QP      |
| 0.28        | 16.74                    | 20.40                      | 0.10                | 37.24         | 50.90                  | -13.66              | Average |
| 0.32        | 20.61                    | 20.39                      | 0.10                | 41.10         | 59.71                  | -18.61              | QP      |
| 0.32        | 13.27                    | 20.39                      | 0.10                | 33.76         | 49.71                  | -15.95              | Average |
| 0.41        | 17.09                    | 20.35                      | 0.11                | 37.55         | 57.59                  | -20.04              | QP      |
| 0.41        | 10.05                    | 20.35                      | 0.11                | 30.51         | 47.59                  | -17.08              | Average |
| 0.64        | 23.48                    | 20.27                      | 0.12                | 43.87         | 56.00                  | -12.13              | QP      |
| 0.64        | 15.29                    | 20.27                      | 0.12                | 35.68         | 46.00                  | -10.32              | Average |
| 1.07        | 6.41                     | 20.20                      | 0.15                | 26.76         | 56.00                  | -29.24              | QP      |
| 1.07        | -7.03                    | 20.20                      | 0.15                | 13.32         | 46.00                  | -32.68              | 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 Output Power

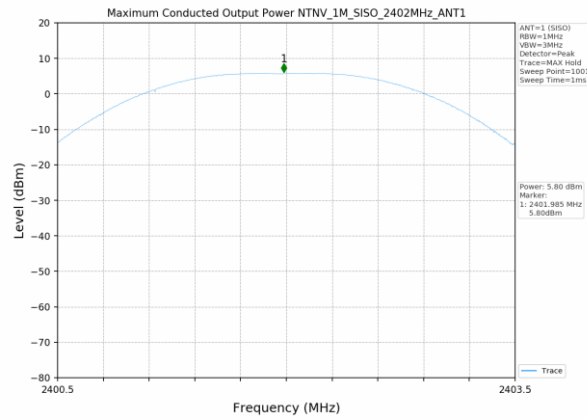
|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)<br>RSS-247 Section 5.4(d)                                                                                                                                                                                                                                                                                                                            |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 15.247 Meas Guidance v05r02 and RSS-Gen                                                                                                                                                                                                                                                                                                              |
| Limit:            | 30dBm<br>36dBm(4W for e.i.r.p)                                                                                                                                                                                                                                                                                                                                                          |
| 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 two vertical legs and sits on 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

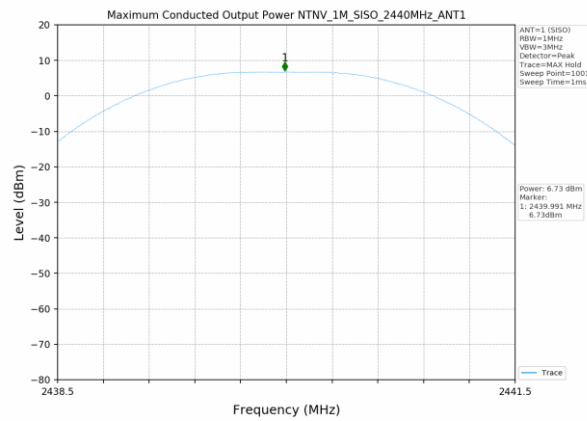
| Test channel | Peak Output Power (dBm) | Limit(dBm) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | 5.80                    | 30.00      | Pass   |
| Middle       | 6.73                    |            |        |
| Highest      | 7.28                    |            |        |

| Test channel | e.i.r.p. (dBm) | Limit(dBm) | Result |
|--------------|----------------|------------|--------|
| Lowest       | 9.03           | 36.00      | Pass   |
| Middle       | 9.96           |            |        |
| Highest      | 10.51          |            |        |

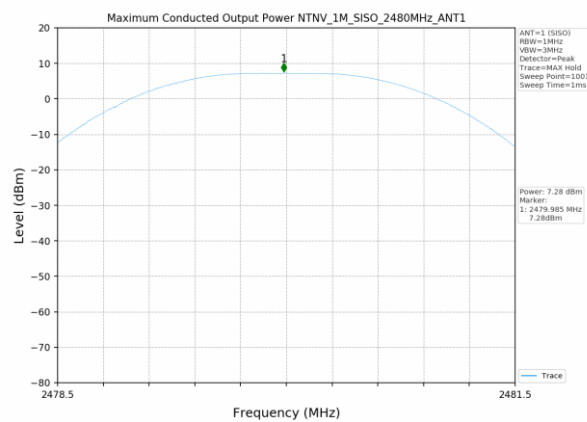
Test plot as follows:



Lowest channel

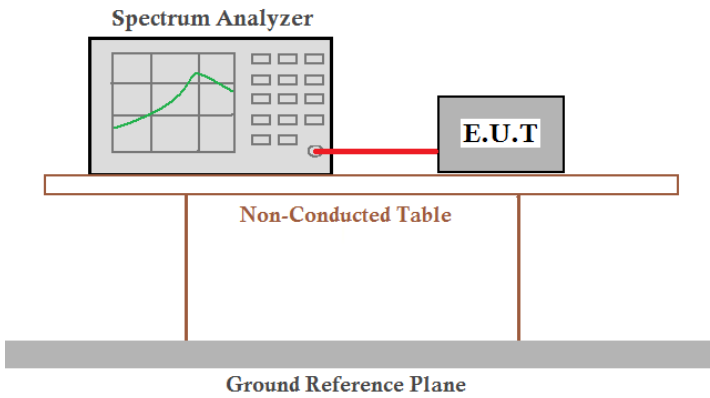


Middle channel



Highest channel

## 7.4 Channel Bandwidth & 99% Occupy Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2) & RSS-247 Section 5.2(a)                                                                                                                                                                                                                                                       |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 15.247 Meas Guidance v05r02 and RSS-Gen                                                                                                                                                                                                                                        |
| Limit:            | >500KHz                                                                                                                                                                                                                                                                                                           |
| 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 are placed on a Non-Conducted Table, which 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

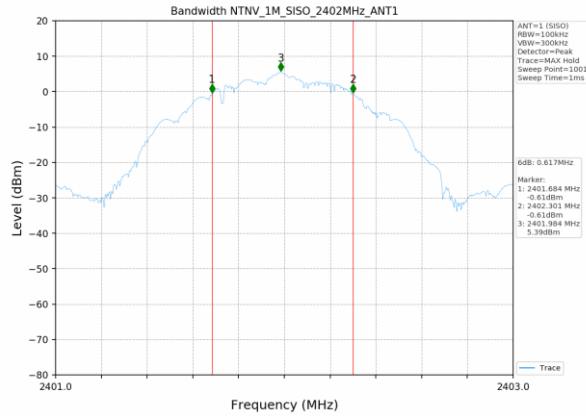
| Test channel | Channel Bandwidth (MHz) | Limit(KHz) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | 0.617                   | >500       | Pass   |
| Middle       | 0.617                   |            |        |
| Highest      | 0.617                   |            |        |

| Test channel | 99% Bandwidth (MHz) | Result |
|--------------|---------------------|--------|
| Lowest       | 1.032               | Pass   |
| Middle       | 1.032               |        |
| Highest      | 1.031               |        |

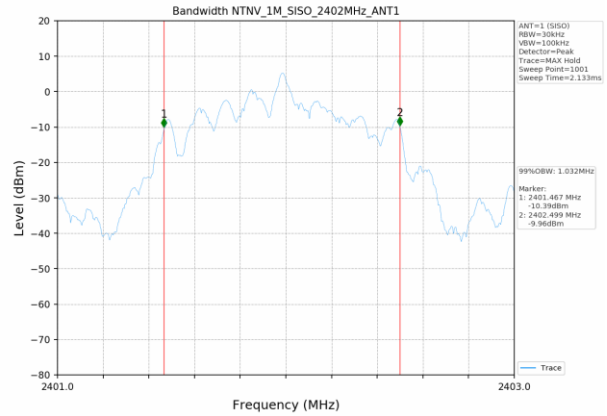


Test plot as follows:

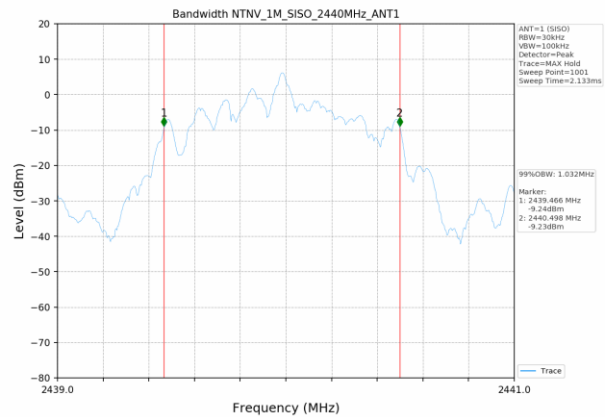
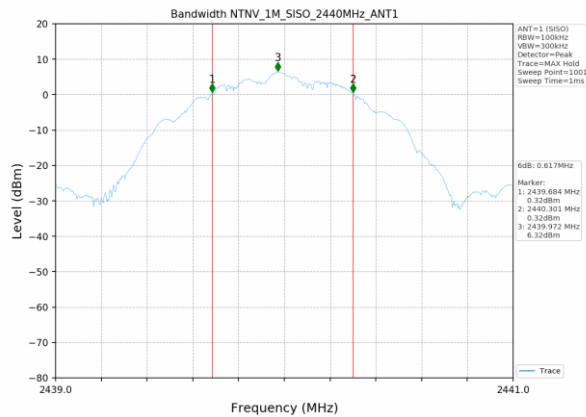
-6dB BW



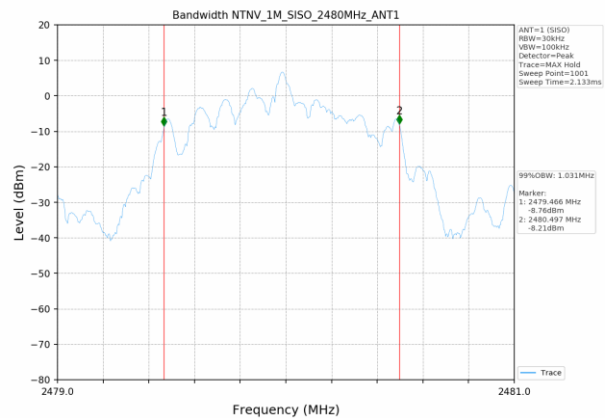
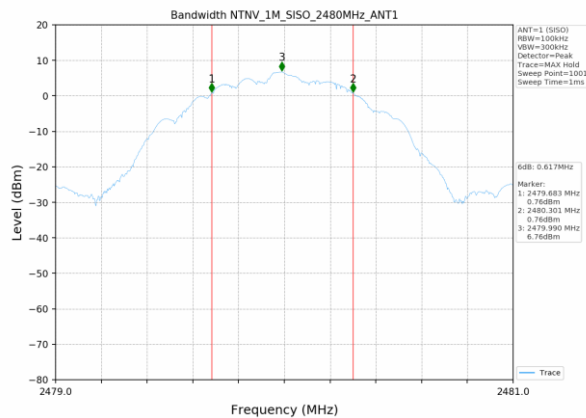
99% BW



Lowest channel

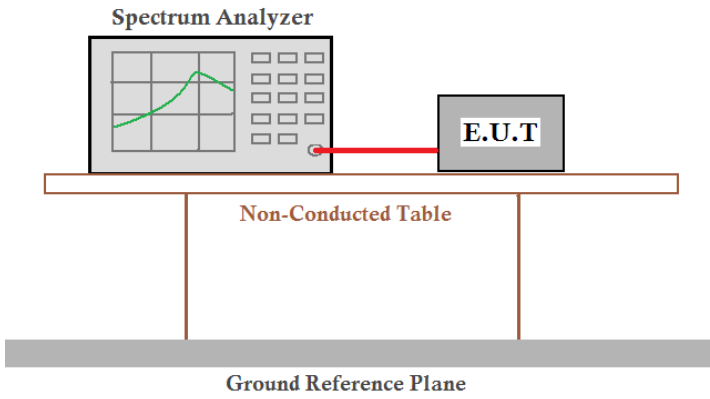


Middle channel



Highest channel

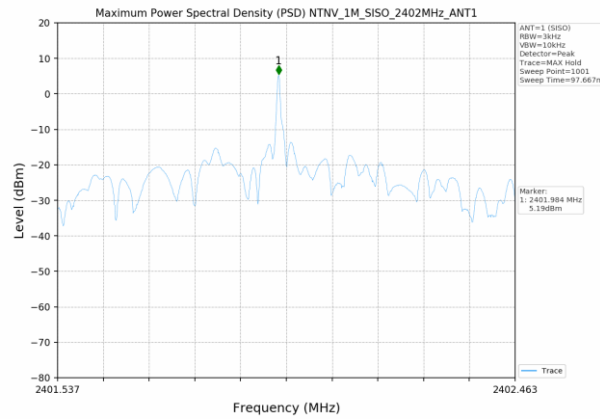
## 7.5 Power Spectral Density

|                   |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)<br>RSS-247 Section 5.2(b)                                                                                                                                                                                                                                                                                                  |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 15.247 Meas Guidance v05r02 and RSS-Gen                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                       |

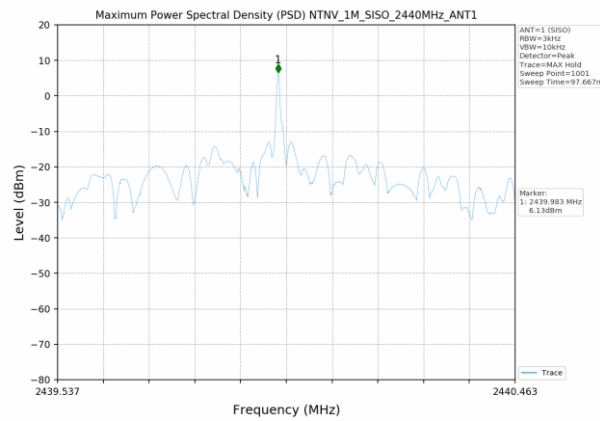
### Measurement Data

| Test channel | Power Spectral Density (dBm/3kHz) | Limit(dBm/3kHz) | Result |
|--------------|-----------------------------------|-----------------|--------|
| Lowest       | 5.19                              | 8.00            | Pass   |
| Middle       | 6.13                              |                 |        |
| Highest      | 6.61                              |                 |        |

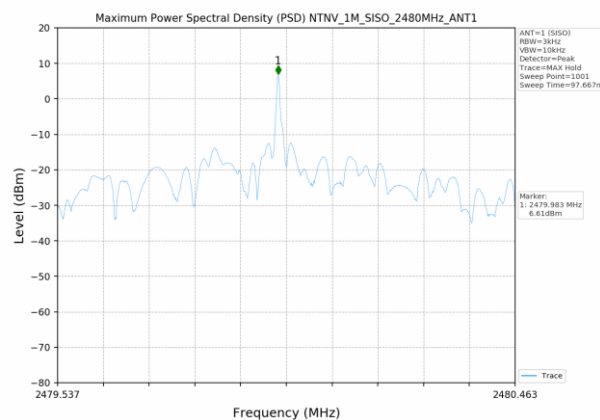
Test plot as follows:



Lowest channel



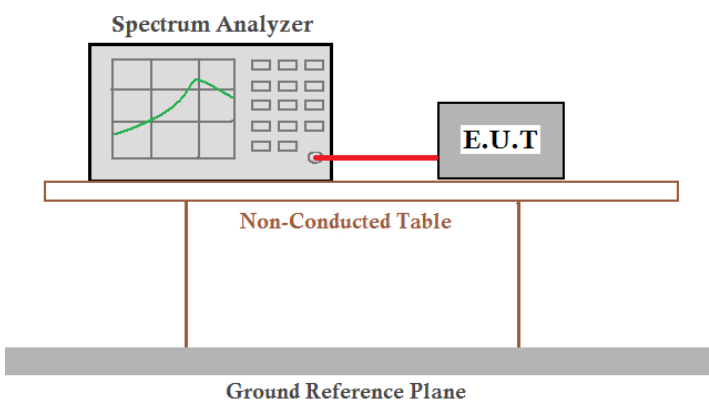
Middle channel



Highest channel

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

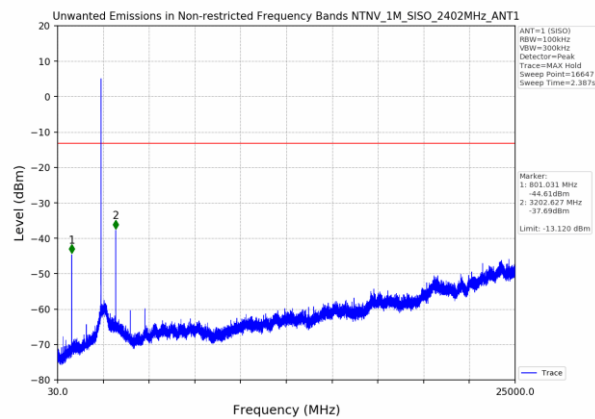
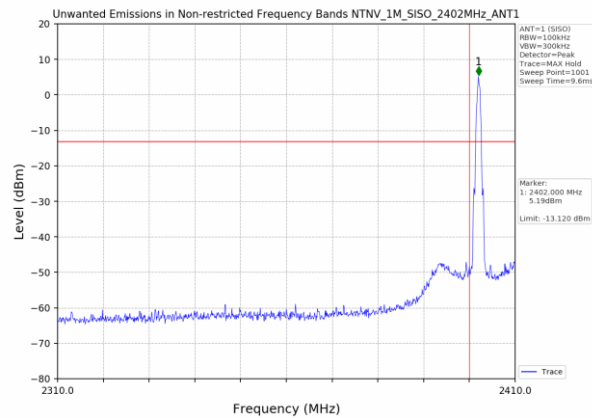
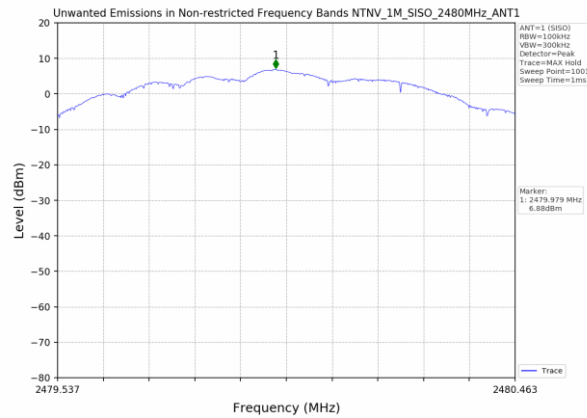
### 7.6.1 Conducted Emission Method

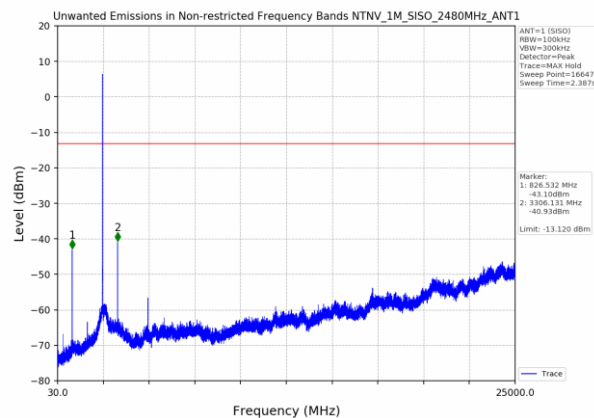
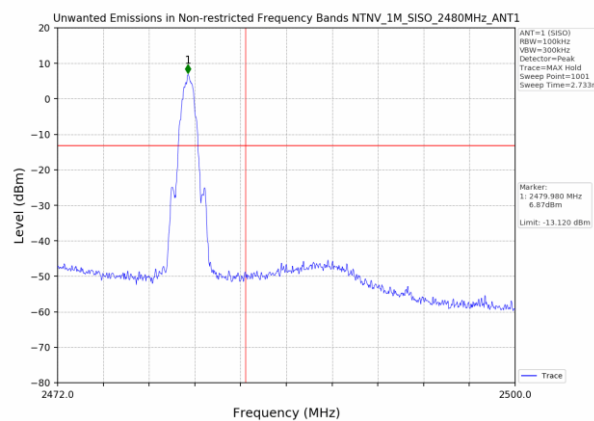
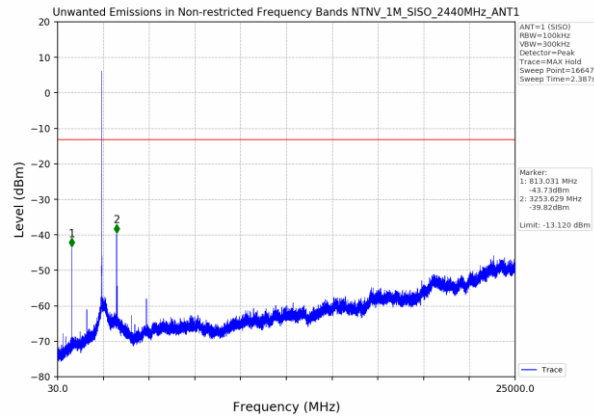
|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)<br>RSS-247 Section 5.5                                                                                                                                                                                                                                                                                                                                  |
| Test Method:      | ANSI C63.10:2013 and KDB558074 D01 15.247 Meas Guidance v05r02 & RSS-Gen                                                                                                                                                                                                                                                                                                                |
| 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

| Frequency (MHz) | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------------|-----------------------------------|--------------|---------|
| 2402            | Refer to test graph               | -13.12       | PASS    |
| 2440            | Refer to test graph               | -13.12       | PASS    |
| 2480            | Refer to test graph               | -13.12       | PASS    |

Test plot as follows:



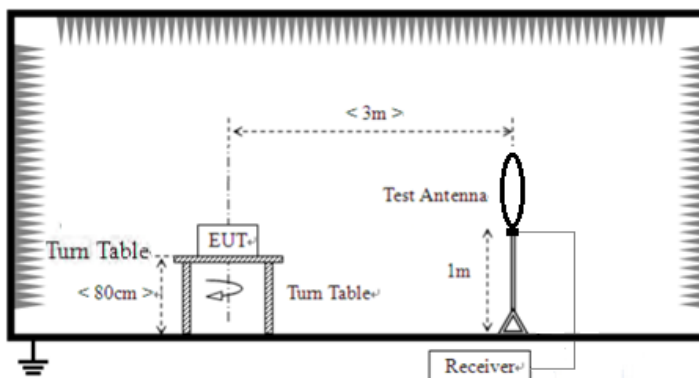


## 7.6.2 Radiated Emission Method

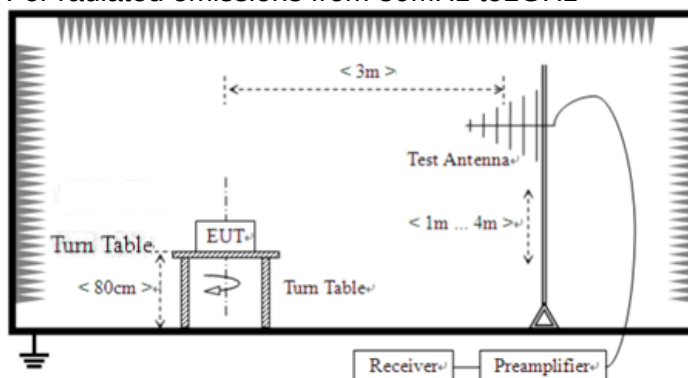
| Test Requirement:                                                                                                                  | FCC Part15 C Section 15.209<br>RSS-247 Section 3.3 & RSS-Gen Section 8.9 8.10                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|---------|------------|-----------------|------------------------------------------|-------------------------------|--------------------------|-------------------|-----|----------------|-------------------|-----------|----------------|------|----|-------|-------|---|--------|-------|---|---------|-------|---|-----------|-----|---|
| Test Method:                                                                                                                       | ANSI C63.10:2013 & RSS-Gen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| 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 |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| FCC Limit:                                                                                                                         | <table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100**</td><td>3</td></tr><tr><td>88-216</td><td>150**</td><td>3</td></tr><tr><td>216-960</td><td>200**</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> |                                          |                               |         |            | 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 |
|                                                                                                                                    | 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                             |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.                                                                                                                                                                                                                  |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| IC Limit:                                                                                                                          | Table 5 – General field strength limits at frequencies above 30 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | <table><tr><th>Frequency (MHz)</th><th>Field strength (µV/m at 3 m)</th></tr><tr><td>30 – 88</td><td>100</td></tr><tr><td>88 – 216</td><td>150</td></tr><tr><td>216 – 960</td><td>200</td></tr><tr><td>Above 960</td><td>500</td></tr></table>                                                                                                                                                                                                                                                                |                                          |                               |         |            | Frequency (MHz) | Field strength (µV/m at 3 m)             | 30 – 88                       | 100                      | 88 – 216          | 150 | 216 – 960      | 200               | Above 960 | 500            |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Field strength (µV/m at 3 m)             |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | 30 – 88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100                                      |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | 88 – 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 150                                      |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | 216 – 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200                                      |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | Above 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 500                                      |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | Table 6 – General field strength limits at frequencies below 30 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | <table><tr><th>Frequency</th><th>Magnetic field strength (H-Field) (µA/m)</th><th>Measurement distance (m)</th></tr><tr><td>9 - 490 kHz <sup>1</sup></td><td>6.37/F (F in kHz)</td><td>300</td></tr><tr><td>490 - 1705 kHz</td><td>63.7/F (F in kHz)</td><td>30</td></tr><tr><td>1.705 - 30 MHz</td><td>0.08</td><td>30</td></tr></table>                                                                                                                                                                     |                                          |                               |         |            | Frequency       | Magnetic field strength (H-Field) (µA/m) | Measurement distance (m)      | 9 - 490 kHz <sup>1</sup> | 6.37/F (F in kHz) | 300 | 490 - 1705 kHz | 63.7/F (F in kHz) | 30        | 1.705 - 30 MHz | 0.08 | 30 |       |       |   |        |       |   |         |       |   |           |     |   |
|                                                                                                                                    | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Magnetic field strength (H-Field) (µA/m) | Measurement distance (m)      |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| 9 - 490 kHz <sup>1</sup>                                                                                                           | 6.37/F (F in kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 300                                      |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| 490 - 1705 kHz                                                                                                                     | 63.7/F (F in kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30                                       |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| 1.705 - 30 MHz                                                                                                                     | 0.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30                                       |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |
| Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                               |         |            |                 |                                          |                               |                          |                   |     |                |                   |           |                |      |    |       |       |   |        |       |   |         |       |   |           |     |   |

Test setup:

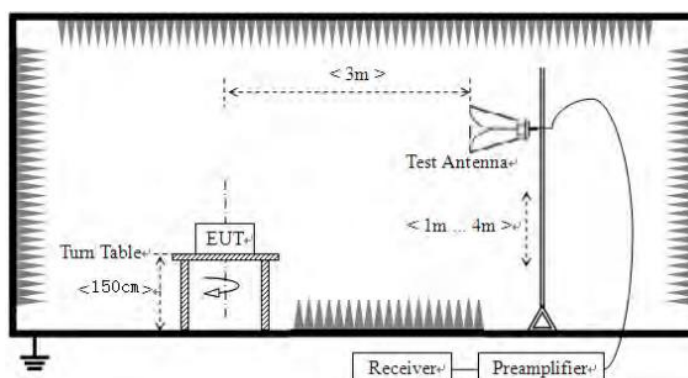
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



Test Procedure:

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.
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.



|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |         |     |         |          |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|-----|---------|----------|
|                   | <p>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.</p> <p>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.</p> <p>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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 average method as specified and then reported in a data sheet.</p> |       |         |     |         |          |
| 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 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.  
Only shown the worst case test data.

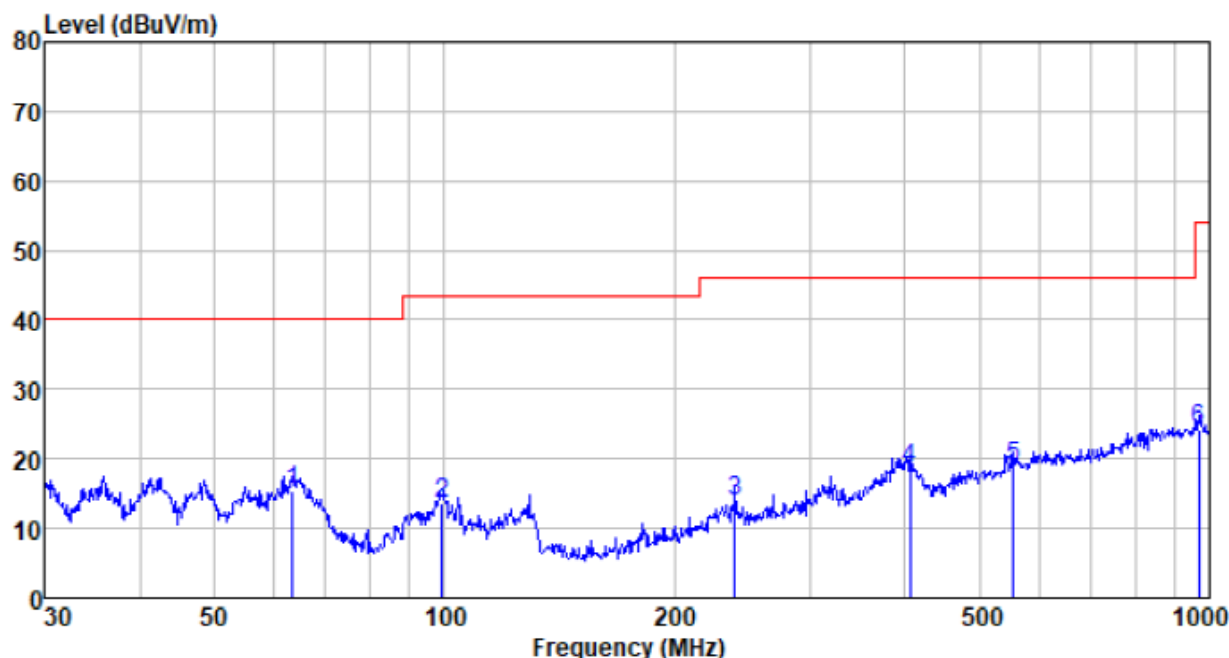
## ■ 9kHz~30MHz

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

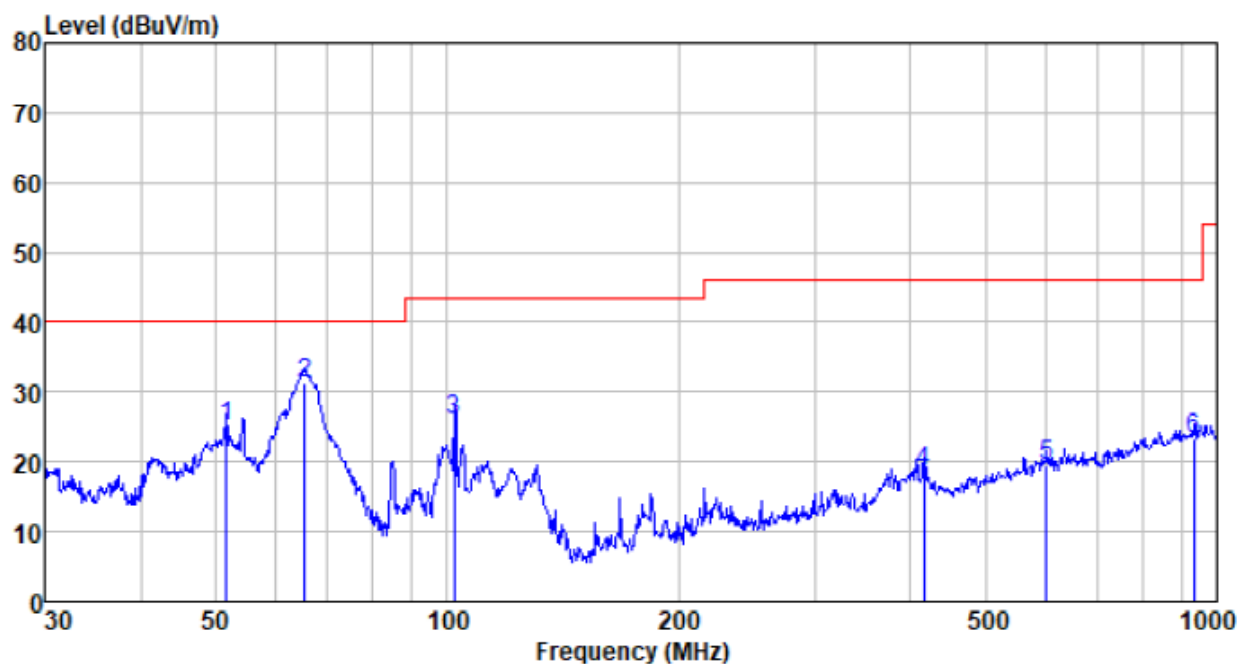
Pre-scan all test modes, found worst case at 2480MHz, and so only show the test result of 2480MHz

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 |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 63.313      | 40.92                    | 10.03                     | 0.89                | 36.36                  | 15.48           | 40.00                    | -24.52              | QP     |
| 99.180      | 37.06                    | 12.13                     | 1.18                | 36.71                  | 13.66           | 43.50                    | -29.84              | QP     |
| 239.987     | 37.46                    | 11.85                     | 2.07                | 37.37                  | 14.01           | 46.00                    | -31.99              | QP     |
| 406.088     | 37.74                    | 15.46                     | 2.88                | 37.52                  | 18.56           | 46.00                    | -27.44              | QP     |
| 554.825     | 34.28                    | 18.57                     | 3.54                | 37.53                  | 18.86           | 46.00                    | -27.14              | QP     |
| 968.934     | 34.08                    | 22.59                     | 5.11                | 37.54                  | 24.24           | 54.00                    | -29.76              | QP     |

Vertical:

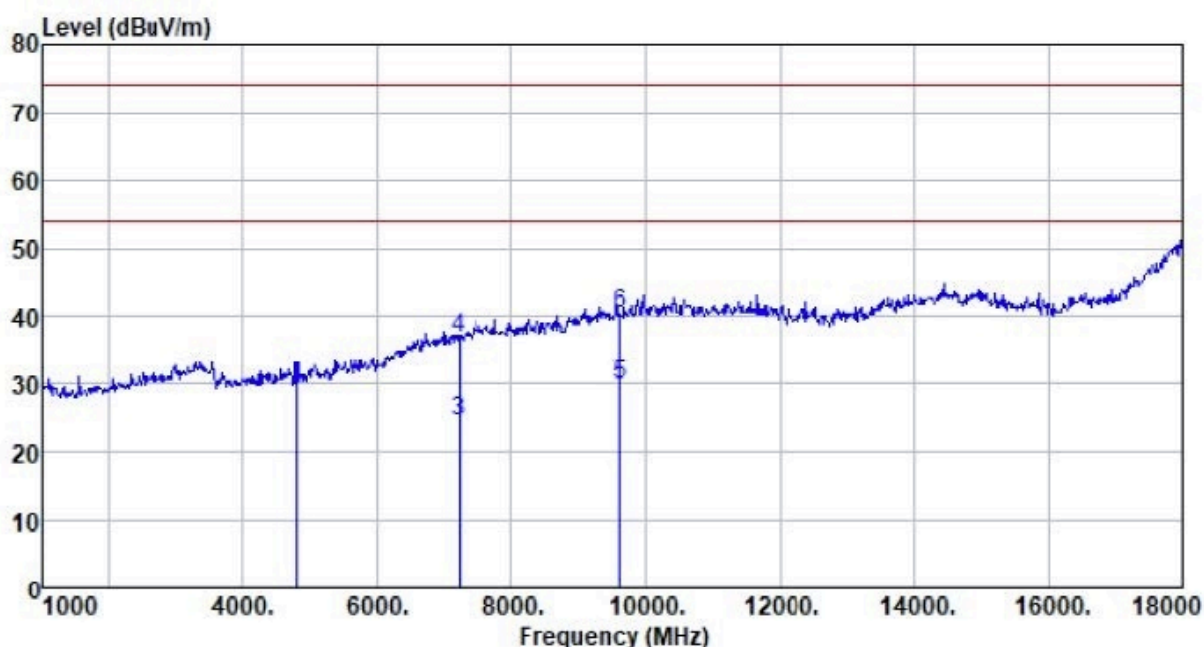


| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|--------|
| 51.662      | 48.25                    | 12.12                     | 0.79                | 36.21                  | 24.95           | 40.00                    | -15.05              | QP     |
| 65.343      | 57.52                    | 9.23                      | 0.90                | 36.39                  | 31.26           | 40.00                    | -8.74               | QP     |
| 102.001     | 49.71                    | 11.94                     | 1.21                | 36.74                  | 26.12           | 43.50                    | -17.38              | QP     |
| 416.179     | 37.50                    | 15.67                     | 2.93                | 37.52                  | 18.58           | 46.00                    | -27.42              | QP     |
| 601.427     | 33.73                    | 19.50                     | 3.73                | 37.54                  | 19.42           | 46.00                    | -26.58              | QP     |
| 932.272     | 33.54                    | 22.43                     | 4.98                | 37.57                  | 23.38           | 46.00                    | -22.62              | QP     |

- Above 1GHz
- Unwanted Emissions in Restricted Frequency Bands

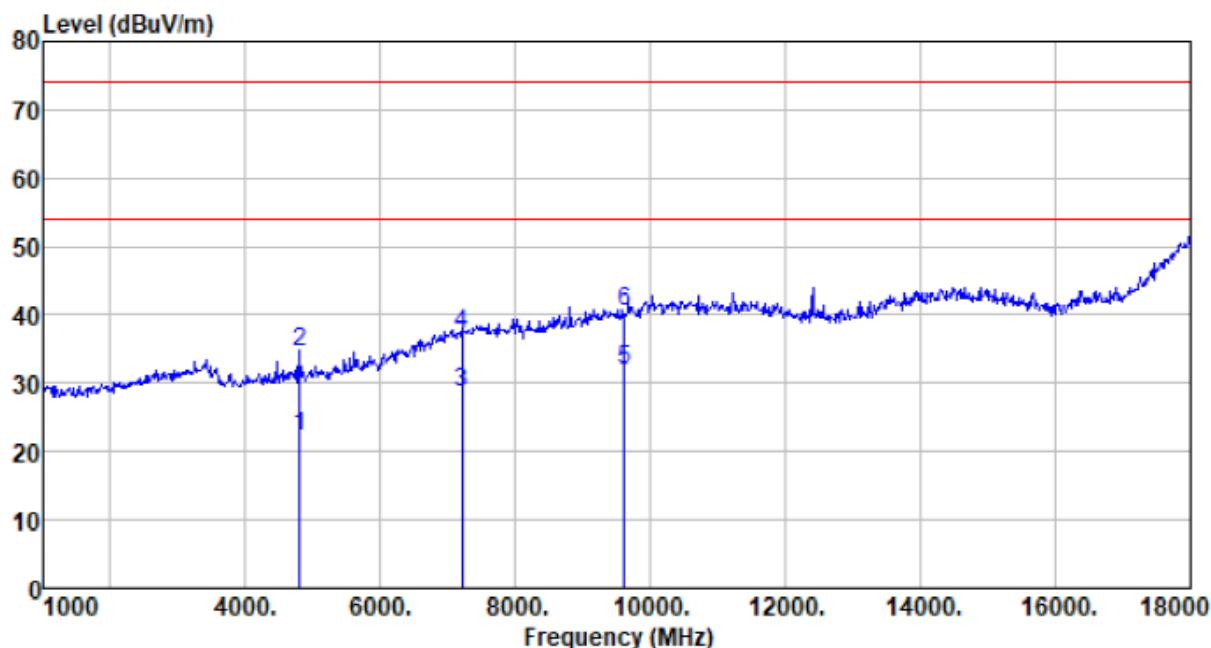
|               |        |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

Horizontal:



| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamplifier<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------------|-----------------|--------------------------|---------------------|---------|
| 4804.000    | 39.09                    | 31.20                     | 4.61                | 37.73                        | 37.17           | 74.00                    | -36.83              | Peak    |
| 7206.000    | 17.54                    | 36.16                     | 6.48                | 35.63                        | 24.55           | 54.00                    | -29.45              | Average |
| 7206.000    | 29.87                    | 36.16                     | 6.48                | 35.63                        | 36.88           | 74.00                    | -37.12              | Peak    |
| 9608.000    | 19.00                    | 37.93                     | 7.97                | 34.94                        | 29.96           | 54.00                    | -24.04              | Average |
| 9608.000    | 29.48                    | 37.93                     | 7.97                | 34.94                        | 40.44           | 74.00                    | -33.56              | Peak    |

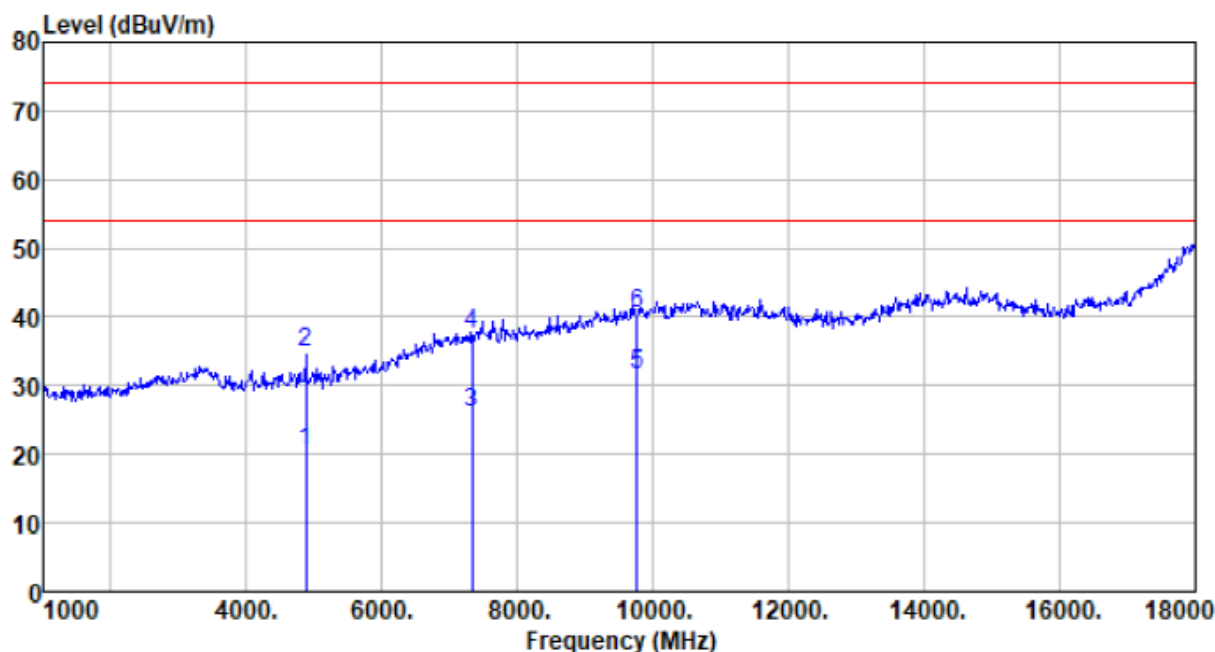
Vertical:



| 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  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 4804.000    | 24.11                    | 31.20                     | 4.61                | 37.73                  | 22.19           | 54.00                    | -31.81              | Average |
| 4804.000    | 36.46                    | 31.20                     | 4.61                | 37.73                  | 34.54           | 74.00                    | -39.46              | Peak    |
| 7206.000    | 21.64                    | 36.16                     | 6.48                | 35.63                  | 28.65           | 54.00                    | -25.35              | Average |
| 7206.000    | 30.13                    | 36.16                     | 6.48                | 35.63                  | 37.14           | 74.00                    | -36.86              | Peak    |
| 9608.000    | 20.88                    | 37.93                     | 7.97                | 34.94                  | 31.84           | 54.00                    | -22.16              | Average |
| 9608.000    | 29.35                    | 37.93                     | 7.97                | 34.94                  | 40.31           | 74.00                    | -33.69              | Peak    |

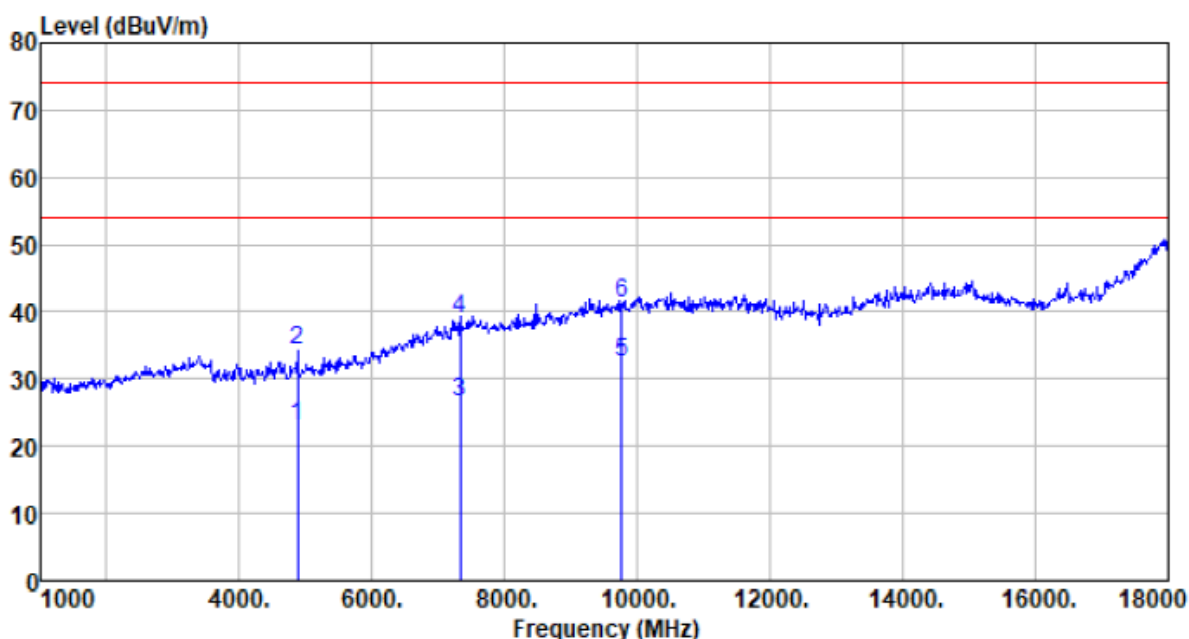
|               |        |
|---------------|--------|
| Test channel: | Middle |
|---------------|--------|

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  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 4880.000    | 22.12                    | 31.31                     | 4.69                | 37.75                  | 20.37           | 54.00                    | -33.63              | Average |
| 4880.000    | 36.44                    | 31.31                     | 4.69                | 37.75                  | 34.69           | 74.00                    | -39.31              | Peak    |
| 7320.000    | 18.55                    | 36.43                     | 6.63                | 35.60                  | 26.01           | 54.00                    | -27.99              | Average |
| 7320.000    | 30.14                    | 36.43                     | 6.63                | 35.60                  | 37.60           | 74.00                    | -36.40              | Peak    |
| 9760.000    | 20.41                    | 38.10                     | 8.03                | 35.03                  | 31.51           | 54.00                    | -22.49              | Average |
| 9760.000    | 29.45                    | 38.10                     | 8.03                | 35.03                  | 40.55           | 74.00                    | -33.45              | Peak    |

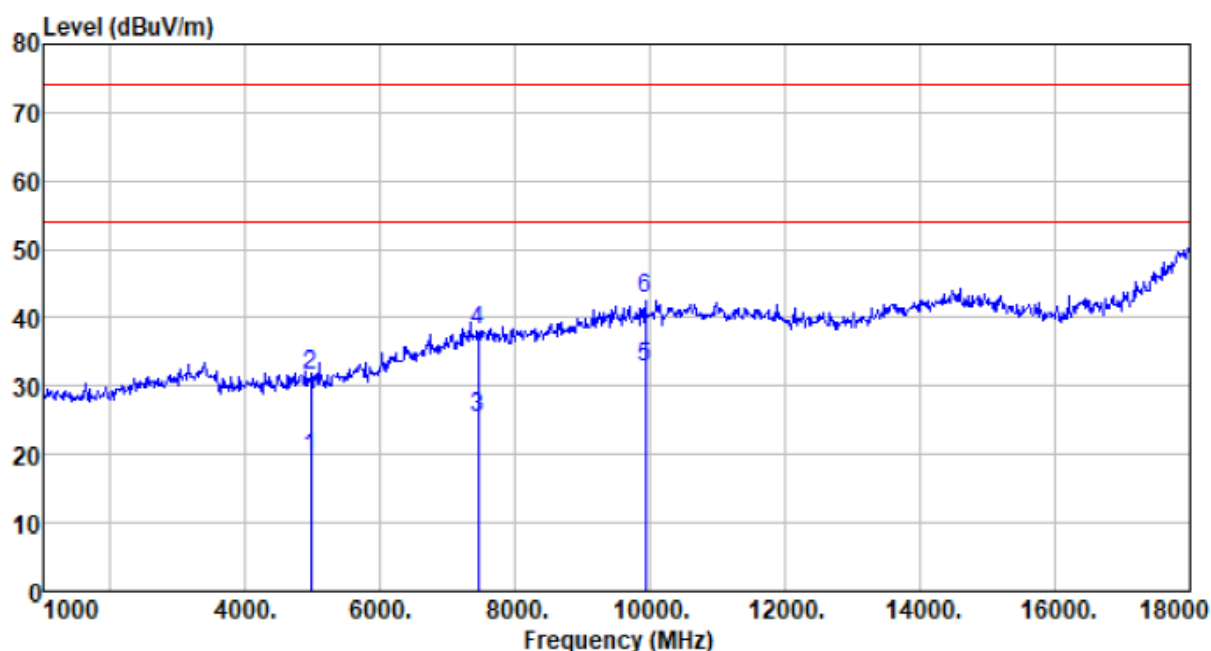
Vertical:



| 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  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 4880.000    | 24.65                    | 31.31                     | 4.69                | 37.75                  | 22.90           | 54.00                    | -31.10              | Average |
| 4880.000    | 35.98                    | 31.31                     | 4.69                | 37.75                  | 34.23           | 74.00                    | -39.77              | Peak    |
| 7320.000    | 19.14                    | 36.43                     | 6.63                | 35.60                  | 26.60           | 54.00                    | -27.40              | Average |
| 7320.000    | 31.49                    | 36.43                     | 6.63                | 35.60                  | 38.95           | 74.00                    | -35.05              | Peak    |
| 9760.000    | 21.45                    | 38.10                     | 8.03                | 35.03                  | 32.55           | 54.00                    | -21.45              | Average |
| 9760.000    | 30.11                    | 38.10                     | 8.03                | 35.03                  | 41.21           | 74.00                    | -32.79              | Peak    |

|               |         |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|

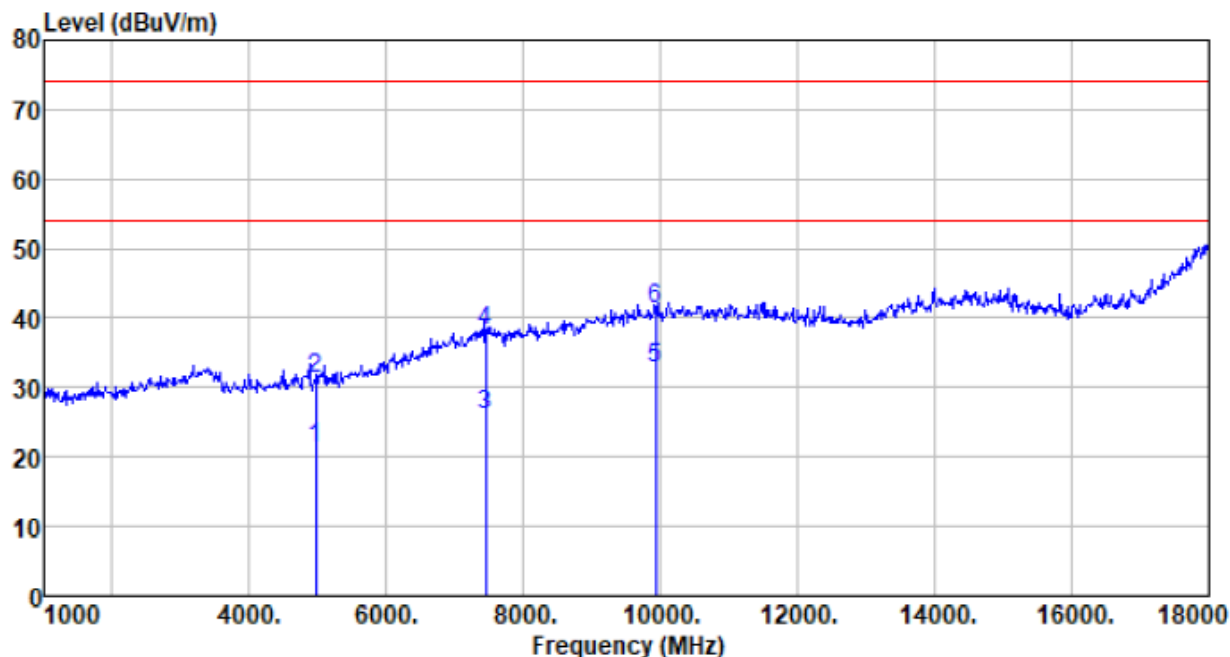
Horizontal:



| 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    | 21.13                    | 31.44                     | 4.79                | 37.78                  | 19.58           | 54.00                    | -34.42              | Average |
| 4960.000    | 33.01                    | 31.44                     | 4.79                | 37.78                  | 31.46           | 74.00                    | -42.54              | Peak    |
| 7440.000    | 17.64                    | 36.66                     | 6.77                | 35.56                  | 25.51           | 54.00                    | -28.49              | Average |
| 7440.000    | 30.31                    | 36.66                     | 6.77                | 35.56                  | 38.18           | 74.00                    | -35.82              | Peak    |
| 9920.000    | 21.65                    | 38.30                     | 8.09                | 35.14                  | 32.90           | 54.00                    | -21.10              | Average |
| 9920.000    | 31.65                    | 38.30                     | 8.09                | 35.14                  | 42.90           | 74.00                    | -31.10              | Peak    |



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    | 22.67                    | 31.44                     | 4.79                | 37.78                  | 21.12           | 54.00                    | -32.88              | Average |
| 4960.000    | 32.83                    | 31.44                     | 4.79                | 37.78                  | 31.28           | 74.00                    | -42.72              | Peak    |
| 7440.000    | 18.11                    | 36.66                     | 6.77                | 35.56                  | 25.98           | 54.00                    | -28.02              | Average |
| 7440.000    | 30.08                    | 36.66                     | 6.77                | 35.56                  | 37.95           | 74.00                    | -36.05              | Peak    |
| 9920.000    | 21.54                    | 38.30                     | 8.09                | 35.14                  | 32.79           | 54.00                    | -21.21              | Average |
| 9920.000    | 30.13                    | 38.30                     | 8.09                | 35.14                  | 41.38           | 74.00                    | -32.62              | Peak    |

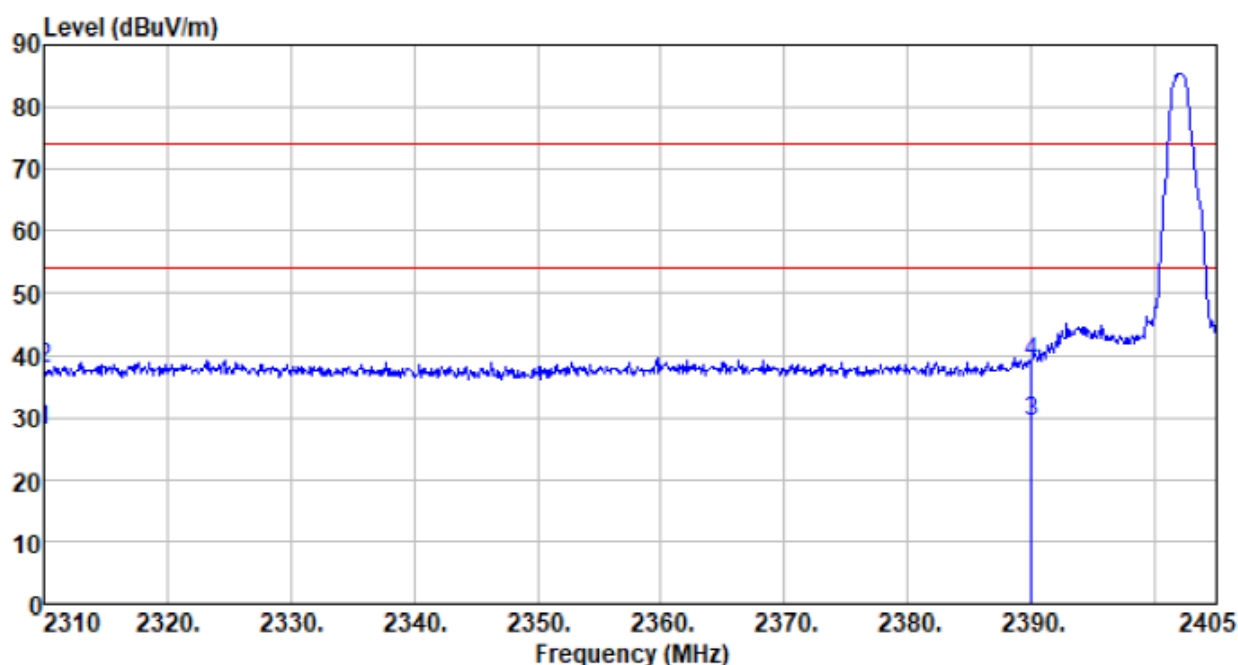
Remarks:

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.

## ■ Unwanted Emissions in Non-restricted Frequency Bands

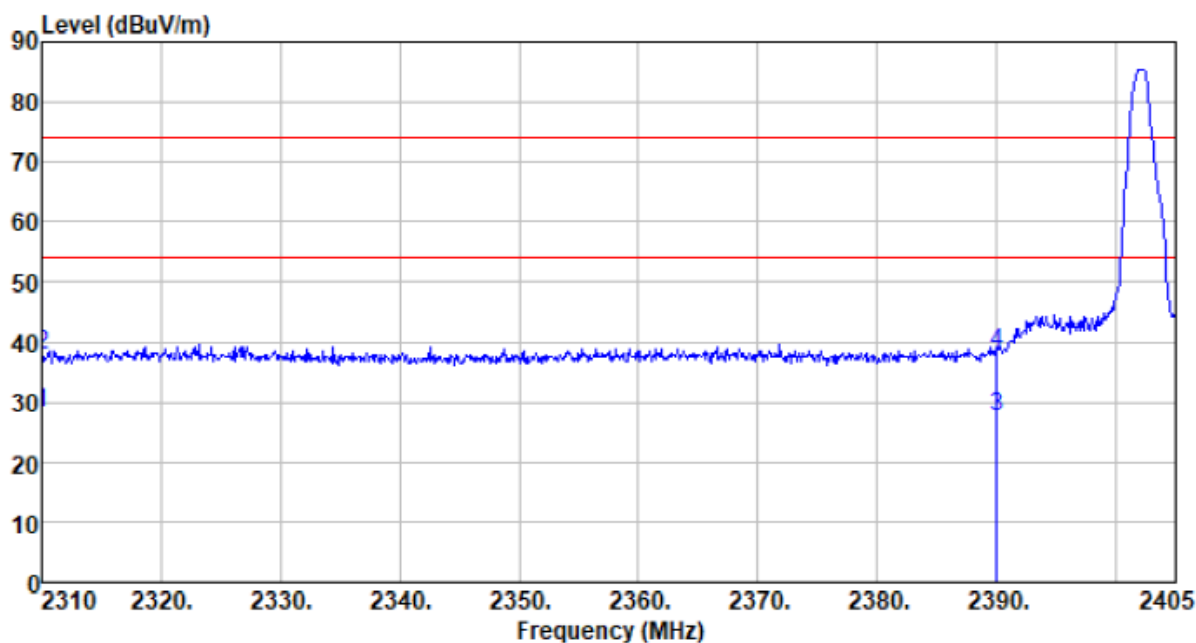
|               |        |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

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    | 34.59                    | 27.14                     | 2.81                | 36.79                  | 27.75           | 54.00                    | -26.25              | Average |
| 2310.000    | 44.74                    | 27.14                     | 2.81                | 36.79                  | 37.90           | 74.00                    | -36.10              | Peak    |
| 2390.000    | 35.87                    | 27.37                     | 2.91                | 36.85                  | 29.30           | 54.00                    | -24.70              | Average |
| 2390.000    | 45.38                    | 27.37                     | 2.91                | 36.85                  | 38.81           | 74.00                    | -35.19              | Peak    |

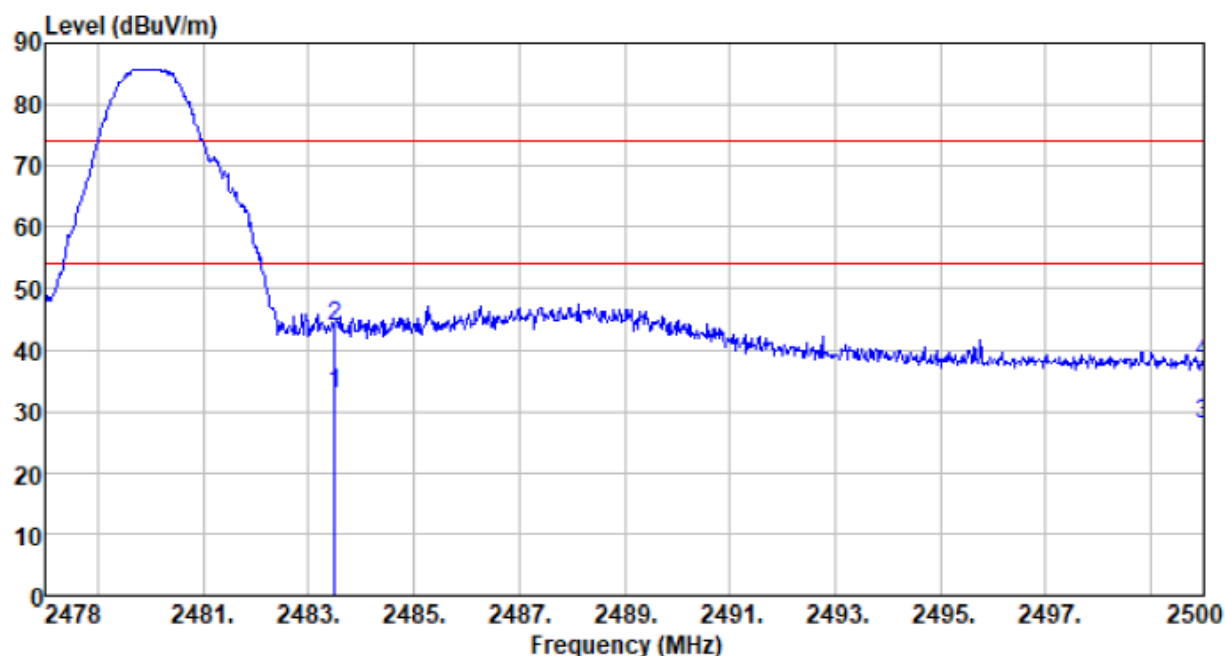
Vertical:



| 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    | 34.91                    | 27.14                     | 2.81                | 36.79                  | 28.07           | 54.00                    | -25.93              | Average |
| 2310.000    | 44.72                    | 27.14                     | 2.81                | 36.79                  | 37.88           | 74.00                    | -36.12              | Peak    |
| 2390.000    | 34.12                    | 27.37                     | 2.91                | 36.85                  | 27.55           | 54.00                    | -26.45              | Average |
| 2390.000    | 44.74                    | 27.37                     | 2.91                | 36.85                  | 38.17           | 74.00                    | -35.83              | Peak    |

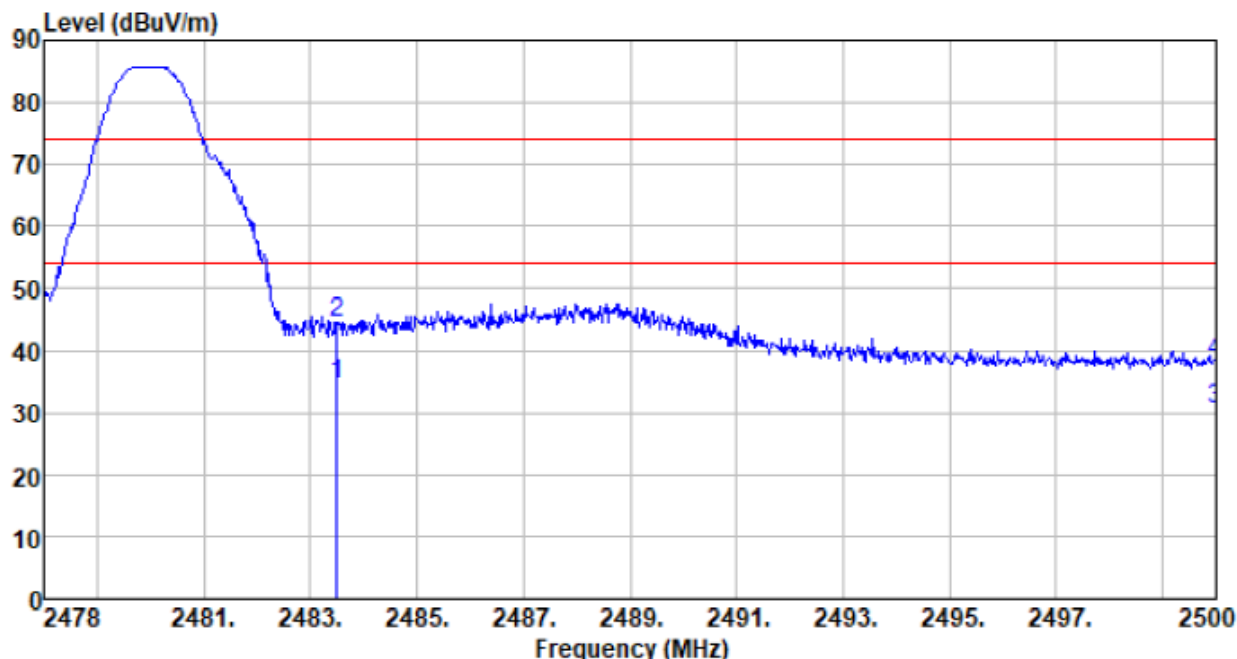
|               |         |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|

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    | 39.19                    | 27.66                     | 2.99                | 36.93                  | 32.91           | 54.00                    | -21.09              | Average |
| 2483.500    | 49.97                    | 27.66                     | 2.99                | 36.93                  | 43.69           | 74.00                    | -30.31              | Peak    |
| 2500.000    | 34.25                    | 27.70                     | 3.01                | 36.94                  | 28.02           | 54.00                    | -25.98              | Average |
| 2500.000    | 44.22                    | 27.70                     | 3.01                | 36.94                  | 37.99           | 74.00                    | -36.01              | Peak    |

Vertical::

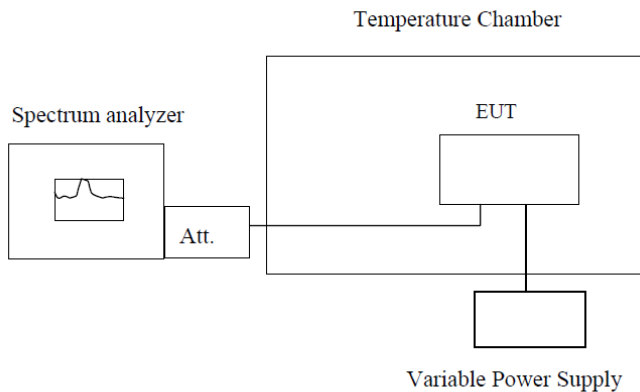


| Freq<br>MHz | Reading<br>level<br>dBuV | Antenna<br>factor<br>dB/m | Cable<br>loss<br>dB | Preamp<br>factor<br>dB | level<br>dBuV/m | Limit<br>level<br>dBuV/m | Over<br>limit<br>dB | Remark  |
|-------------|--------------------------|---------------------------|---------------------|------------------------|-----------------|--------------------------|---------------------|---------|
| 2483.500    | 40.69                    | 27.66                     | 2.99                | 36.93                  | 34.41           | 54.00                    | -19.59              | Average |
| 2483.500    | 50.87                    | 27.66                     | 2.99                | 36.93                  | 44.59           | 74.00                    | -29.41              | Peak    |
| 2500.000    | 36.69                    | 27.70                     | 3.01                | 36.94                  | 30.46           | 54.00                    | -23.54              | Average |
| 2500.000    | 44.37                    | 27.70                     | 3.01                | 36.94                  | 38.14           | 74.00                    | -35.86              | Peak    |

**Remarks:**

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.
3. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

## 7.7 Frequency Stability

|                   |                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | RSS-Gen Section 6.11& Section 8.11                                                                                                                                                              |
| Test Method:      | ANSI C63.10: 2013 & RSS-Gen                                                                                                                                                                     |
| Limit:            | Manufactures of devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified |
| Test Procedure:   | The EUT was setup to ANSI C63.10, 2013; tested to 2.1055 for compliance to RSS-Gen requirements.                                                                                                |
| Test setup:       |  <p><b>Note :</b> Measurement setup for testing on Antenna connector</p>                                     |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                |
| Test results:     | Pass                                                                                                                                                                                            |

Remark: Set the EUT transmits at un-modulation mode to test frequency stability.

**Measurement data:**

| Frequency stability versus Temp.   |                                 |                                            |                                            |                                            |                                             |               |
|------------------------------------|---------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------|---------------|
| Power Supply: AC 120V              |                                 |                                            |                                            |                                            |                                             |               |
| Temp.<br>(°C)                      | Operating<br>Frequency<br>(MHz) | 0 minute<br>Measured<br>Frequency<br>(MHz) | 2 minute<br>Measured<br>Frequency<br>(MHz) | 5 minute<br>Measured<br>Frequency<br>(MHz) | 10 minute<br>Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| -30                                | 2402                            | 2402.18                                    | 2402.69                                    | 2402.12                                    | 2402.96                                     | Pass          |
|                                    | 2440                            | 2440.69                                    | 2440.74                                    | 2440.94                                    | 2440.43                                     | Pass          |
|                                    | 2480                            | 2480.02                                    | 2480.80                                    | 2480.09                                    | 2480.50                                     | Pass          |
| -20                                | 2402                            | 2402.57                                    | 2402.56                                    | 2402.75                                    | 2402.31                                     | Pass          |
|                                    | 2440                            | 2440.55                                    | 2440.85                                    | 2440.61                                    | 2440.85                                     | Pass          |
|                                    | 2480                            | 2480.06                                    | 2480.47                                    | 2480.43                                    | 2480.54                                     | Pass          |
| -10                                | 2402                            | 2402.39                                    | 2402.17                                    | 2402.15                                    | 2402.47                                     | Pass          |
|                                    | 2440                            | 2440.11                                    | 2440.83                                    | 2440.21                                    | 2440.06                                     | Pass          |
|                                    | 2480                            | 2480.81                                    | 2480.97                                    | 2480.47                                    | 2480.97                                     | Pass          |
| 0                                  | 2402                            | 2402.93                                    | 2402.13                                    | 2402.64                                    | 2402.11                                     | Pass          |
|                                    | 2440                            | 2440.37                                    | 2440.27                                    | 2440.50                                    | 2440.15                                     | Pass          |
|                                    | 2480                            | 2480.45                                    | 2480.39                                    | 2480.18                                    | 2480.19                                     | Pass          |
| 10                                 | 2402                            | 2402.59                                    | 2402.43                                    | 2402.60                                    | 2402.19                                     | Pass          |
|                                    | 2440                            | 2440.09                                    | 2440.88                                    | 2440.15                                    | 2440.76                                     | Pass          |
|                                    | 2480                            | 2480.38                                    | 2480.07                                    | 2480.12                                    | 2480.83                                     | Pass          |
| 20                                 | 2402                            | 2402.59                                    | 2402.28                                    | 2402.17                                    | 2402.31                                     | Pass          |
|                                    | 2440                            | 2440.17                                    | 2440.25                                    | 2440.86                                    | 2440.41                                     | Pass          |
|                                    | 2480                            | 2480.46                                    | 2480.52                                    | 2480.09                                    | 2480.79                                     | Pass          |
| 30                                 | 2402                            | 2402.45                                    | 2402.24                                    | 2402.26                                    | 2402.26                                     | Pass          |
|                                    | 2440                            | 2440.06                                    | 2440.93                                    | 2440.97                                    | 2440.38                                     | Pass          |
|                                    | 2480                            | 2480.88                                    | 2480.13                                    | 2480.78                                    | 2480.16                                     | Pass          |
| 40                                 | 2402                            | 2402.21                                    | 2402.97                                    | 2402.40                                    | 2402.58                                     | Pass          |
|                                    | 2440                            | 2440.65                                    | 2440.29                                    | 2440.80                                    | 2440.03                                     | Pass          |
|                                    | 2480                            | 2480.11                                    | 2480.33                                    | 2480.18                                    | 2480.31                                     | Pass          |
| 50                                 | 2402                            | 2402.45                                    | 2402.41                                    | 2402.92                                    | 2402.53                                     | Pass          |
|                                    | 2440                            | 2440.25                                    | 2440.52                                    | 2440.28                                    | 2440.37                                     | Pass          |
|                                    | 2480                            | 2480.57                                    | 2480.99                                    | 2480.49                                    | 2480.81                                     | Pass          |
| Frequency stability versus Voltage |                                 |                                            |                                            |                                            |                                             |               |
| Temperature: 25°C                  |                                 |                                            |                                            |                                            |                                             |               |
| Power<br>Supply<br>(VAC)           | Operating<br>Frequency<br>(MHz) | 0 minute<br>Measured<br>Frequency<br>(MHz) | 2 minute<br>Measured<br>Frequency<br>(MHz) | 5 minute<br>Measured<br>Frequency<br>(MHz) | 10 minute<br>Measured<br>Frequency<br>(MHz) | Pass<br>/Fail |
| 108                                | 2402                            | 2402.74                                    | 2402.05                                    | 2402.10                                    | 2402.47                                     | Pass          |
|                                    | 2440                            | 2440.86                                    | 2440.93                                    | 2440.05                                    | 2440.95                                     | Pass          |
|                                    | 2480                            | 2480.82                                    | 2480.84                                    | 2480.52                                    | 2480.64                                     | Pass          |
| 132                                | 2402                            | 2402.36                                    | 2402.97                                    | 2402.75                                    | 2402.67                                     | Pass          |
|                                    | 2440                            | 2440.02                                    | 2440.25                                    | 2441.00                                    | 2440.71                                     | Pass          |
|                                    | 2480                            | 2480.41                                    | 2480.92                                    | 2480.30                                    | 2480.12                                     | Pass          |

## 8 Test Setup Photo

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

## 9 EUT Constructional Details

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

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