



# FCC RF Test Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.  
EQUIPMENT : Smart LTE Module  
BRAND NAME : Quectel  
MODEL NAME : SC200E-AU  
FCC ID : XMR2024SC200EAU  
STANDARD : FCC Part 15 Subpart C §15.247  
CLASSIFICATION : (DSS) Spread Spectrum Transmitter  
TEST DATE(S) : Aug. 05, 2024 ~ Nov. 25, 2024

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China



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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FR480203A  | Rev. 01 | Initial issue of report | Nov. 29, 2024 |
|            |         |                         |               |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule           | Description                                        | Limit                                  | Result      | Remark                                     |
|----------------|--------------------|----------------------------------------------------|----------------------------------------|-------------|--------------------------------------------|
| 3.1            | 15.247(a)(1)       | Number of Channels                                 | $\geq 15\text{Chs}$                    | Pass        | -                                          |
| 3.2            | 15.247(a)(1)       | Hopping Channel Separation                         | $\geq 2/3$ of 20dB BW                  | Pass        | -                                          |
| 3.3            | 15.247(a)(1)       | Dwell Time of Each Channel                         | $\leq 0.4\text{sec}$ in 31.6sec period | Pass        | -                                          |
| 3.4            | 15.247(a)(1)       | 20dB Bandwidth                                     | -                                      | Report only | -                                          |
| 3.4            | -                  | 99% Bandwidth                                      | -                                      | Report only | -                                          |
| 3.5            | 15.247(b)(1)       | Peak Output Power                                  | $\leq 125\text{ mW}$                   | Pass        | -                                          |
| 3.6            | 15.247(d)          | Conducted Band Edges                               | $\leq 20\text{dBc}$                    | Pass        | -                                          |
| 3.7            | 15.247(d)          | Conducted Spurious Emission                        | $\leq 20\text{dBc}$                    | Pass        | -                                          |
| 3.8            | 15.247(d)          | Radiated Band Edges and Radiated Spurious Emission | 15.209(a) & 15.247(d)                  | Pass        | Under limit<br>17.77 dB at<br>2484.720 MHz |
| 3.9            | 15.207             | AC Conducted Emission                              | 15.207(a)                              | Pass        | Under limit<br>6.06 dB at<br>0.573 MHz     |
| 3.10           | 15.203 & 15.247(b) | Antenna Requirement                                | 15.203 & 15.247(b)                     | Pass        | -                                          |

**Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



# 1 General Description

## 1.1 Applicant

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

## 1.2 Manufacturer

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| Equipment       | Smart LTE Module                                                                                                        |
| Brand Name      | Quectel                                                                                                                 |
| Model Name      | SC200E-AU                                                                                                               |
| FCC ID          | XMR2024SC200EAU                                                                                                         |
| IMEI/SN Code    | Conducted: 866080060008526/866080060008534<br>Conduction: 866080060008625/866080060008633<br>Radiation: E1C24AO0D000067 |
| HW Version      | R1.0                                                                                                                    |
| SW Version      | SC200EAUDAR12A01                                                                                                        |
| EUT Stage       | Identical Prototype                                                                                                     |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                         |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Frequency Range                   | 2402 MHz ~ 2480 MHz                                                                                                                     |
| Number of Channels                      | 79                                                                                                                                      |
| Carrier Frequency of Each Channel       | 2402+n*1 MHz; n=0~78                                                                                                                    |
| Maximum Output Power to Antenna         | Bluetooth BR(1Mbps) : 8.66 dBm (0.0073 W)<br>Bluetooth EDR (2Mbps) : 9.61 dBm (0.0091 W)<br>Bluetooth EDR (3Mbps) : 9.98 dBm (0.0100 W) |
| 99% Occupied Bandwidth                  | Bluetooth BR(1Mbps) : 0.872MHz<br>Bluetooth EDR (2Mbps) : 1.166MHz<br>Bluetooth EDR (3Mbps) : 1.154MHz                                  |
| Antenna Type / Gain                     | Dipole Antenna type with gain 0.2 dBi                                                                                                   |
| Type of Modulation                      | Bluetooth BR (1Mbps) : GFSK<br>Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK<br>Bluetooth EDR (3Mbps) : 8-DPSK                                 |



## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

|                    |                                                                                                                                                |                     |                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| Test Firm          | Sporton International Inc. (Kunshan)                                                                                                           |                     |                                |
| Test Site Location | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                     |                                |
| Test Site No.      | Sporton Site No.                                                                                                                               | FCC Designation No. | FCC Test Firm Registration No. |
|                    | CO01-KS<br>03CH08-KS<br>TH01-KS                                                                                                                | CN1257              | 314309                         |

## 1.7 Test Software

| Item | Site      | Manufacturer | Name                                 | Version     |
|------|-----------|--------------|--------------------------------------|-------------|
| 1.   | TH01-KS   | Tonscend     | JS1120-3 test system<br>China_210602 | 3.3.10      |
| 2.   | 03CH08-KS | AUDIX        | E3                                   | 210616      |
| 3.   | CO01-KS   | AUDIX        | E3                                   | 6.2009-8-24 |

## 1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 15 Subpart C §15.247
- ♦ FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ♦ ANSI C63.10-2013

### Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

### 2.1 Carrier Frequency Channel

| Frequency Band  | Channel | Freq.<br>(MHz) | Channel | Freq.<br>(MHz) | Channel | Freq.<br>(MHz) |
|-----------------|---------|----------------|---------|----------------|---------|----------------|
| 2400-2483.5 MHz | 0       | 2402           | 27      | 2429           | 54      | 2456           |
|                 | 1       | 2403           | 28      | 2430           | 55      | 2457           |
|                 | 2       | 2404           | 29      | 2431           | 56      | 2458           |
|                 | 3       | 2405           | 30      | 2432           | 57      | 2459           |
|                 | 4       | 2406           | 31      | 2433           | 58      | 2460           |
|                 | 5       | 2407           | 32      | 2434           | 59      | 2461           |
|                 | 6       | 2408           | 33      | 2435           | 60      | 2462           |
|                 | 7       | 2409           | 34      | 2436           | 61      | 2463           |
|                 | 8       | 2410           | 35      | 2437           | 62      | 2464           |
|                 | 9       | 2411           | 36      | 2438           | 63      | 2465           |
|                 | 10      | 2412           | 37      | 2439           | 64      | 2466           |
|                 | 11      | 2413           | 38      | 2440           | 65      | 2467           |
|                 | 12      | 2414           | 39      | 2441           | 66      | 2468           |
|                 | 13      | 2415           | 40      | 2442           | 67      | 2469           |
|                 | 14      | 2416           | 41      | 2443           | 68      | 2470           |
|                 | 15      | 2417           | 42      | 2444           | 69      | 2471           |
|                 | 16      | 2418           | 43      | 2445           | 70      | 2472           |
|                 | 17      | 2419           | 44      | 2446           | 71      | 2473           |
|                 | 18      | 2420           | 45      | 2447           | 72      | 2474           |
|                 | 19      | 2421           | 46      | 2448           | 73      | 2475           |
|                 | 20      | 2422           | 47      | 2449           | 74      | 2476           |
|                 | 21      | 2423           | 48      | 2450           | 75      | 2477           |
|                 | 22      | 2424           | 49      | 2451           | 76      | 2478           |
|                 | 23      | 2425           | 50      | 2452           | 77      | 2479           |
|                 | 24      | 2426           | 51      | 2453           | 78      | 2480           |
|                 | 25      | 2427           | 52      | 2454           | -       | -              |
|                 | 26      | 2428           | 53      | 2455           | -       | -              |

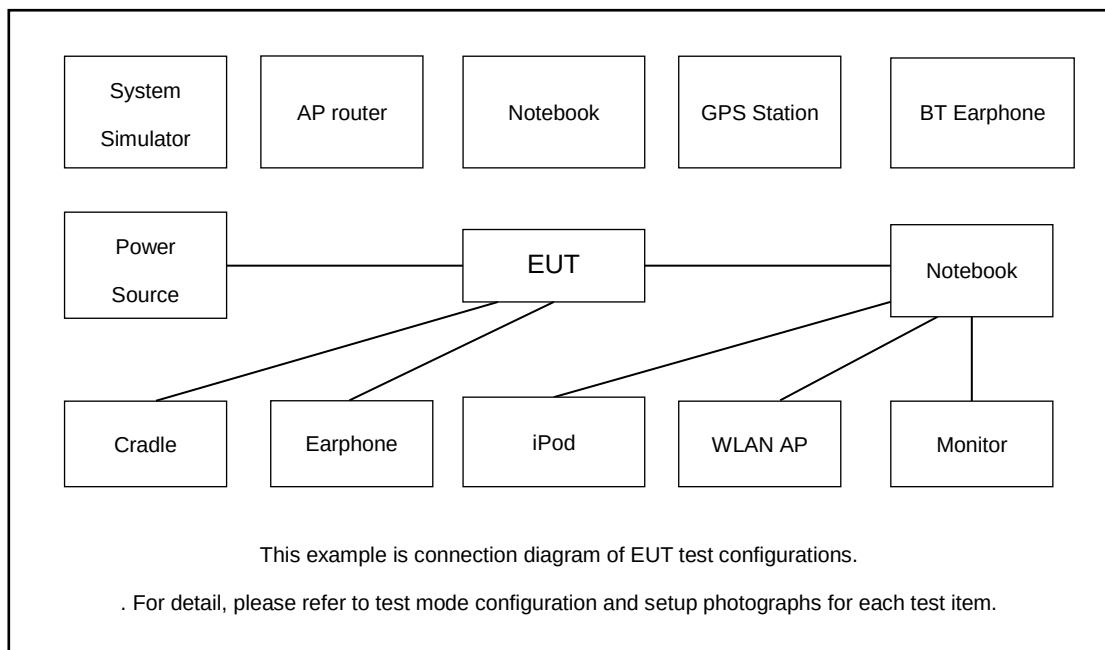
## 2.2 Test Mode

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report, and the worst mode of radiated spurious emissions is Bluetooth 1Mbps mode, and recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

| Summary table of Test Cases                                                                                                                                                                                                             |                                                                         |                                  |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|-------------------------------|
| Test Item                                                                                                                                                                                                                               | Data Rate / Modulation                                                  |                                  |                               |
|                                                                                                                                                                                                                                         | Bluetooth BR 1Mbps<br>GFSK                                              | Bluetooth EDR 2Mbps<br>π/4-DQPSK | Bluetooth EDR 3Mbps<br>8-DPSK |
| Conducted<br>Test Cases                                                                                                                                                                                                                 | Mode 1: CH00_2402 MHz                                                   | Mode 4: CH00_2402 MHz            | Mode 7: CH00_2402 MHz         |
|                                                                                                                                                                                                                                         | Mode 2: CH39_2441 MHz                                                   | Mode 5: CH39_2441 MHz            | Mode 8: CH39_2441 MHz         |
|                                                                                                                                                                                                                                         | Mode 3: CH78_2480 MHz                                                   | Mode 6: CH78_2480 MHz            | Mode 9: CH78_2480 MHz         |
| Radiated<br>Test Cases                                                                                                                                                                                                                  | Bluetooth BR 1Mbps GFSK                                                 |                                  |                               |
|                                                                                                                                                                                                                                         | Mode 1: CH00_2402 MHz<br>Mode 2: CH39_2441 MHz<br>Mode 3: CH78_2480 MHz |                                  |                               |
| AC<br>Conducted<br>Emission                                                                                                                                                                                                             | Mode 1 : Bluetooth Link + WLAN Link (5G) + Adapter                      |                                  |                               |
| Remark:                                                                                                                                                                                                                                 |                                                                         |                                  |                               |
| 1. For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission. |                                                                         |                                  |                               |
| 2. For Radiated Test Cases, The tests were performed with test jig and adapter                                                                                                                                                          |                                                                         |                                  |                               |

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name | Model Name    | FCC ID        | Data Cable | Power Cord                                                   |
|------|--------------------|------------|---------------|---------------|------------|--------------------------------------------------------------|
| 1.   | WLAN AP            | D-link     | DIR-655       | KA21R655B1    | N/A        | Unshielded,1.8m                                              |
| 2.   | Notebook           | Lenovo     | G480          | QDS-BRCM1050I | N/A        | shielded cable DC O/P 1.8m ,<br>Unshielded AC I/P cable 1.8m |
| 3.   | Bluetooth Earphone | Lenovo     | thinkplus-BH3 | N/A           | N/A        | N/A                                                          |
| 4.   | Test jig           | N/A        | N/A           | N/A           | N/A        | N/A                                                          |
| 5.   | antenna            | N/A        | N/A           | N/A           | N/A        | N/A                                                          |
| 6.   | adapter            | N/A        | N/A           | N/A           | N/A        | N/A                                                          |

## 2.5 EUT Operation Test Setup

For Bluetooth function, the engineering test program was provided and enabled to make EUT connect with Bluetooth base station to continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 12.19 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 12.19 + 10 = 22.19 \text{ (dB)}\end{aligned}$$

### 3 Test Result

#### 3.1 Number of Channel Measurement

##### 3.1.1 Limits of Number of Hopping Frequency

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

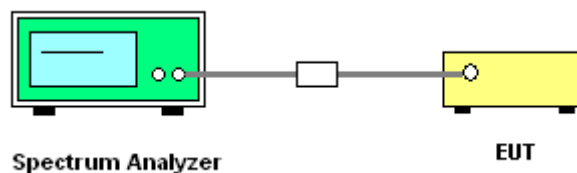
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedure

1. The testing follows ANSI C63.10-2013 clause 7.8.3.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = the frequency band of operation;  
RBW = 300kHz; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold.
6. The number of hopping frequency used is defined as the number of total channel.
7. Record the measurement data derived from spectrum analyzer.

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Number of Hopping Frequency

Please refer to Appendix A.

## 3.2 Hopping Channel Separation Measurement

### 3.2.1 Limit of Hopping Channel Separation

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

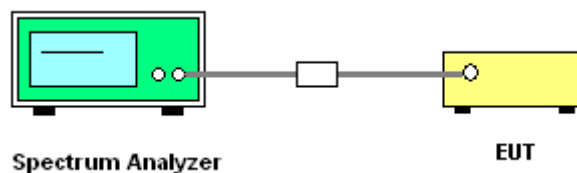
### 3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.2.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.2.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings:  
Span = wide enough to capture the peaks of two adjacent channels;  
RBW = 300kHz; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold.
6. Measure and record the results in the test report.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Hopping Channel Separation

Please refer to Appendix A.

### 3.3 Dwell Time Measurement

#### 3.3.1 Limit of Dwell Time

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

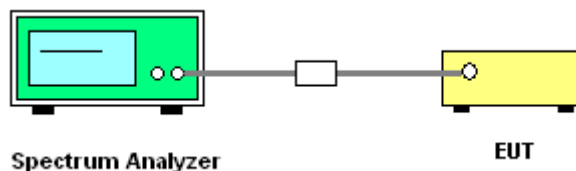
#### 3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.3.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.4.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Enable the EUT hopping function.
5. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW = 1 MHz; VBW  $\geq$  RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.
6. Measure and record the results in the test report.

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Dwell Time

Please refer to Appendix A.

### 3.4 20dB and 99% Bandwidth Measurement

#### 3.4.1 Limit of 20dB and 99% Bandwidth

Reporting only

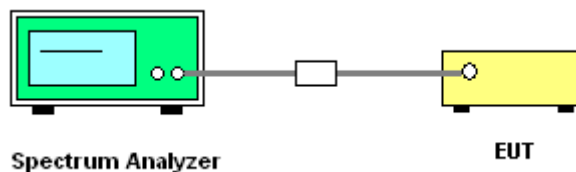
#### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 6.9.2 and 6.9.3.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.  
Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel;  
The RBW is set to 1% to 5% of the 99% OBW, the VBW is set to 3 times the RBW;  
Sweep = auto; Detector function = peak;  
Trace = max hold.
5. Use the following spectrum analyzer settings for 99 % Bandwidth measurement.  
Span = approximately 1.5 to 5 times the 99% bandwidth, centered on a hopping channel;  
The RBW is set to 1% to 5% of the 99% OBW, the VBW is set to 3 times the RBW;  
Sweep = auto; Detector function = peak;  
Trace = max hold.
6. Measure and record the results in the test report.

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of 20dB Bandwidth

Please refer to Appendix A.

#### 3.4.6 Test Result of 99% Occupied Bandwidth

Please refer to Appendix A.

## 3.5 Output Power Measurement

### 3.5.1 Limit of Output Power

The maximum peak conducted output power of the intentional radiator shall not exceed the following:  
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts. The power limit for 1Mbps, 2Mbps, 3Mbps and AFH modes are 0.125 watts.

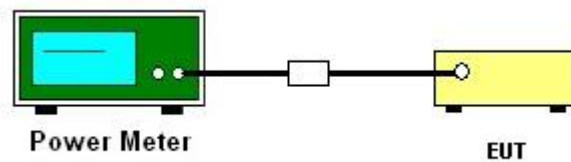
### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.5.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.5.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power with cable loss and record the results in the test report.
5. Measure and record the results in the test report.

### 3.5.4 Test Setup



### 3.5.5 Test Result of Peak Output Power

Please refer to Appendix A.

## 3.6 Conducted Band Edges Measurement

### 3.6.1 Limit of Band Edges

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

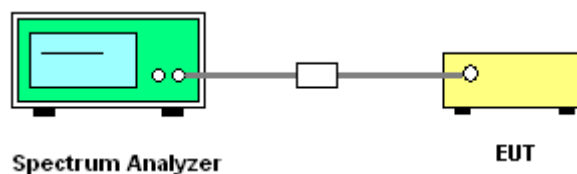
### 3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.6.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.6.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Set RBW = 100kHz, VBW = 300kHz. Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.
4. Enable hopping function of the EUT and then repeat step 2. and 3.
5. Measure and record the results in the test report.

### 3.6.4 Test Setup



### 3.6.5 Test Result of Conducted Band Edges

Please refer to Appendix A.

### 3.6.6 Test Result of Conducted Hopping Mode Band Edges

Please refer to Appendix A.

## 3.7 Conducted Spurious Emission Measurement

### 3.7.1 Limit of Spurious Emission Measurement

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

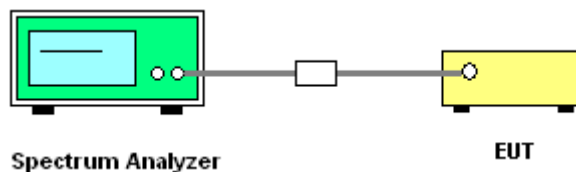
### 3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.7.3 Test Procedure

1. The testing follows ANSI C63.10-2013 clause 7.8.8.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.7.4 Test Setup



### 3.7.5 Test Result of Conducted Spurious Emission

Please refer to Appendix A.

### 3.8 Radiated Band Edges and Spurious Emission Measurement

#### 3.8.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

#### 3.8.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

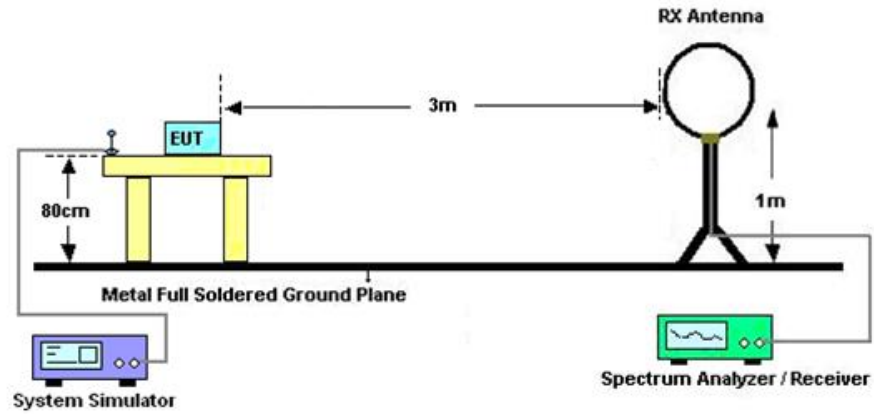
### 3.8.3 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
4. Set to the maximum power setting and enable the EUT transmit continuously.
5. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for  $f < 1$  GHz, RBW=1MHz for  $f > 1$ GHz ; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
  - (3) For average measurement: use duty cycle correction factor method per 15.35(c).  
Duty cycle = On time/100 milliseconds  
On time =  $N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$   
Where  $N_1$  is number of type 1 pulses,  $L_1$  is length of type 1 pulses, etc.  
Average Emission Level = Peak Emission Level +  $20 * \log(\text{Duty cycle})$
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
7. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

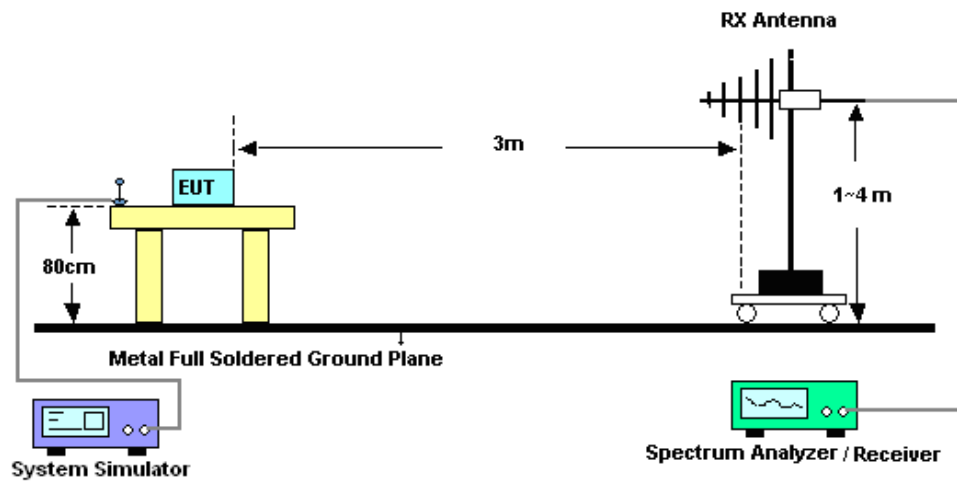
Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (-24.79dB) derived from  $20 \log(\text{dwell time}/100\text{ms})$ . This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

### 3.8.4 Test Setup

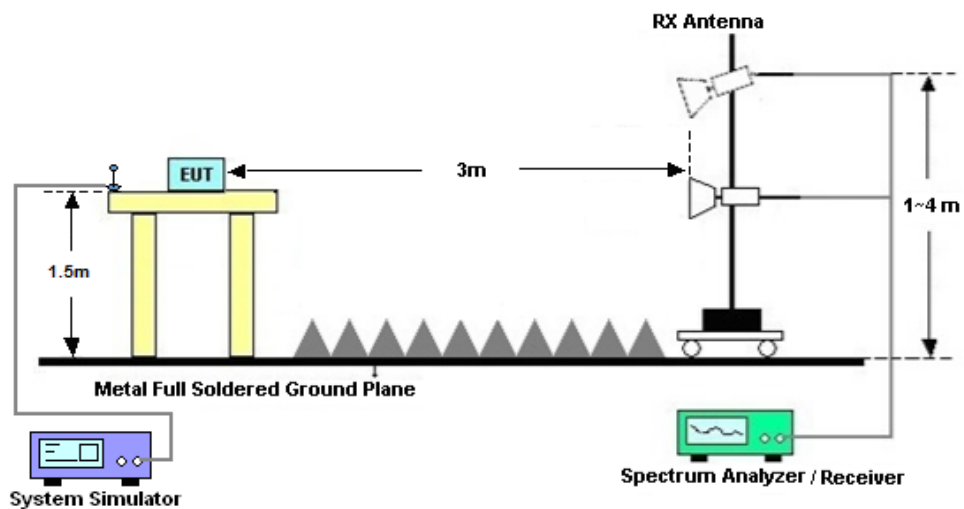
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



**3.8.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

**3.8.6 Test Result of Radiated Spurious at Band Edges**

Please refer to Appendix C

**3.8.7 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)**

Please refer to Appendix C

**3.8.8 Duty cycle correction factor for average measurement**

Please refer to Appendix D.

### 3.9 AC Conducted Emission Measurement

#### 3.9.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dBμV) |           |
|-----------------------------|------------------------|-----------|
|                             | 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.

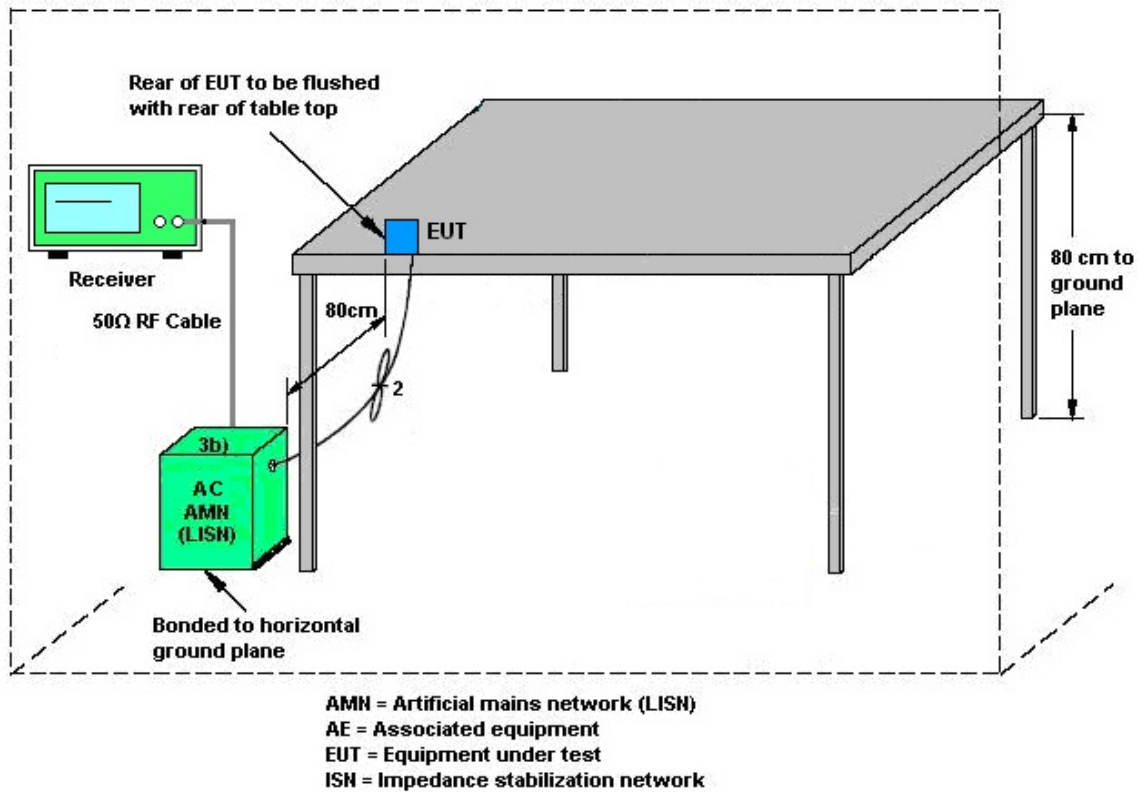
#### 3.9.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.9.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

### 3.9.4 Test Setup



### 3.9.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.10 Antenna Requirements**

### **3.10.1 Standard Applicable**

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### **3.10.2 Antenna Anti-Replacement Construction**

Non-standard antenna connector is used.

### **3.10.3 Antenna Gain**

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



## 4 List of Measuring Equipment

| Instrument                        | Manufacturer | Model No.  | Serial No.   | Characteristics         | Calibration Date | Test Date                       | Due Date      | Remark                |
|-----------------------------------|--------------|------------|--------------|-------------------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer                 | R&S          | FSV30      | 101338       | 10Hz~30GHz              | Jan. 05, 2024    | Aug. 05, 2024<br>~Aug. 16, 2024 | Jan. 04, 2025 | Conducted (TH01-KS)   |
| Spectrum Analyzer                 | R&S          | FSV40      | 101040       | 10Hz~40GHz              | Oct. 11, 2023    | Aug. 05, 2024<br>~Aug. 16, 2024 | Oct. 10, 2024 | Conducted (TH01-KS)   |
| Pulse Power Sensor                | Anritsu      | MA2411B    | 0917070      | 300MHz~40GHz            | Jan. 02, 2024    | Aug. 05, 2024<br>~Aug. 16, 2024 | Jan. 01, 2025 | Conducted (TH01-KS)   |
| EMI Test Receiver                 | Keysight     | N9038A     | MY56400023   | 3Hz~8.5GHz; Max 30dBm   | Jan. 02, 2024    | Nov. 21, 2024                   | Jan. 01, 2025 | Radiation (03CH08-KS) |
| EXA Spectrum Analyzer             | Keysight     | N9010B     | MY57441079   | 10Hz~44GHz              | Oct. 09, 2024    | Nov. 21, 2024                   | Oct. 08, 2025 | Radiation (03CH08-KS) |
| Loop Antenna                      | R&S          | HFH2-Z2E   | 101125       | 9kHz~30MHz              | Sep. 08, 2024    | Nov. 21, 2024                   | Sep. 07, 2025 | Radiation (03CH08-KS) |
| Bilog Antenna                     | TESEQ        | CBL 6111D  | 59915        | 30MHz~1GHz              | Aug. 18, 2024    | Nov. 21, 2024                   | Aug. 17, 2025 | Radiation (03CH08-KS) |
| Double Ridge Horn Antenna         | ETS-Lindgren | 3117       | 00240138     | 1GHz~18GHz              | Jul. 06, 2024    | Nov. 21, 2024                   | Jul. 05, 2025 | Radiation (03CH08-KS) |
| high gain Amplifier               | EM           | EM01G18GA  | 060845       | 1GHz~18GHz              | Jan. 03, 2024    | Nov. 21, 2024                   | Jan. 02, 2025 | Radiation (03CH08-KS) |
| SHF-EHF Horn                      | Com-power    | AH-840     | 101070       | 18GHz~40GHz             | Jan. 27, 2024    | Nov. 21, 2024                   | Jan. 26, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | SONOMA       | 310N       | 413741       | 9KHz~1GHz               | Jan. 02, 2024    | Nov. 21, 2024                   | Jan. 01, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | Keysight     | 83017A     | MY53270417   | 500MHz~26.5GHz          | Oct. 09, 2024    | Nov. 21, 2024                   | Oct. 08, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | EM           | EM18G40GGA | 060728       | 18~40GHz                | Jan. 02, 2024    | Nov. 21, 2024                   | Jan. 01, 2025 | Radiation (03CH08-KS) |
| AC Power Source                   | Chroma       | 61601      | 616010002473 | N/A                     | NCR              | Nov. 21, 2024                   | NCR           | Radiation (03CH08-KS) |
| Turn Table                        | EM           | EM 1000-T  | N/A          | 0~360 degree            | NCR              | Nov. 21, 2024                   | NCR           | Radiation (03CH08-KS) |
| Antenna Mast                      | EM           | EM 1000-A  | N/A          | 1 m~4 m                 | NCR              | Nov. 21, 2024                   | NCR           | Radiation (03CH08-KS) |
| EMI Receiver                      | R&S          | ESCI7      | 100768       | 9kHz~7GHz;              | Apr 18, 2024     | Nov. 25, 2024                   | Apr 17, 2025  | Conduction (CO01-KS)  |
| AC LISN (for auxiliary equipment) | MessTec      | AN3016     | 060103       | 9kHz~30MHz              | Aug. 20, 2024    | Nov. 25, 2024                   | Aug. 19, 2025 | Conduction (CO01-KS)  |
| AC LISN                           | MessTec      | AN3016     | 060105       | 9kHz~30MHz              | Apr. 18, 2024    | Nov. 25, 2024                   | Apr. 17, 2025 | Conduction (CO01-KS)  |
| AC Power Source                   | Chroma       | 61602      | ABP00000811  | AC 0V~300V, 45Hz~1000Hz | Oct. 09, 2024    | Nov. 25, 2024                   | Oct. 8, 2025  | Conduction (CO01-KS)  |

NCR: No Calibration Required

## 5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

|                                        |          |
|----------------------------------------|----------|
| Conducted Spurious Emission & Bandedge | ±2.26 dB |
| Occupied Channel Bandwidth             | ±0.1%    |
| Conducted Power                        | ±0.46 dB |
| Conducted Power Spectral Density       | ±0.88 dB |
| Frequency                              | ±0.4 Hz  |

### Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.84dB |
|---------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.30dB |
|---------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 6.04dB |
|---------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 5.26dB |
|---------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 5.40dB |
|---------------------------------------------------------------------|--------|

----- THE END -----



## **Appendix A. Conducted Test Results**



Ambient Condition: 25 °C, 45 %RH

Test Date: 2024/8/05~2024/8/16

Test Engineer: Jiang Jun

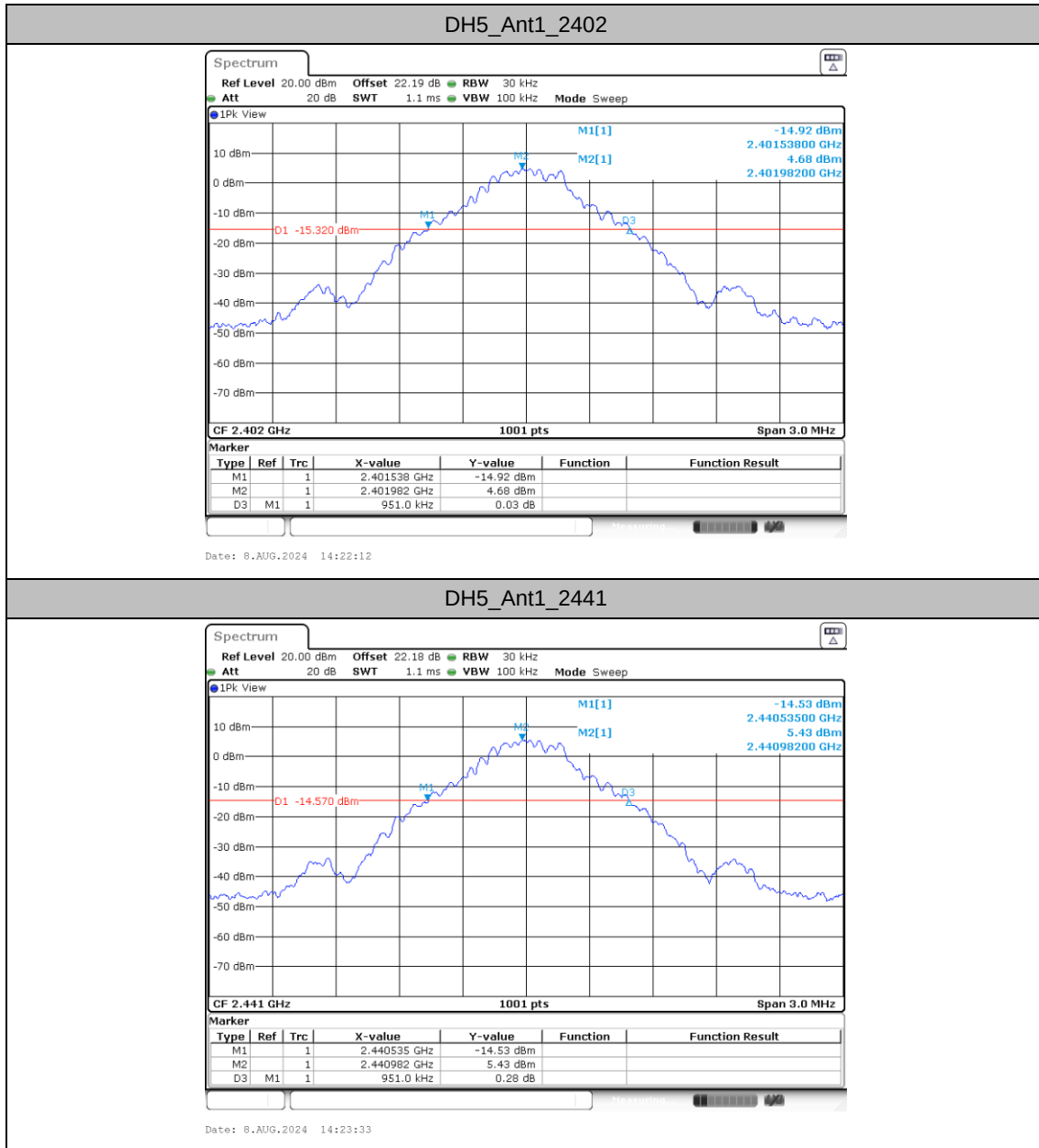
## 20dB Emission Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | 20dB<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------|------------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402      | 0.95             | 2401.54 | 2402.49 | ---        | ---     |
|          |         | 2441      | 0.95             | 2440.54 | 2441.49 | ---        | ---     |
|          |         | 2480      | 0.95             | 2479.54 | 2480.49 | ---        | ---     |
| 2DH1     | Ant1    | 2402      | 1.27             | 2401.36 | 2402.63 | ---        | ---     |
|          |         | 2441      | 1.28             | 2440.36 | 2441.64 | ---        | ---     |
|          |         | 2480      | 1.28             | 2479.36 | 2480.64 | ---        | ---     |
| 3DH1     | Ant1    | 2402      | 1.26             | 2401.38 | 2402.64 | ---        | ---     |
|          |         | 2441      | 1.26             | 2440.38 | 2441.64 | ---        | ---     |
|          |         | 2480      | 1.26             | 2479.38 | 2480.64 | ---        | ---     |

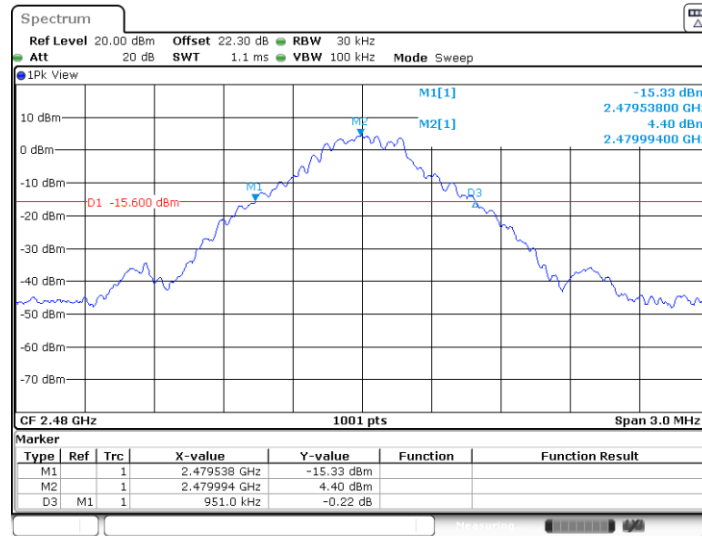


## Test Graphs

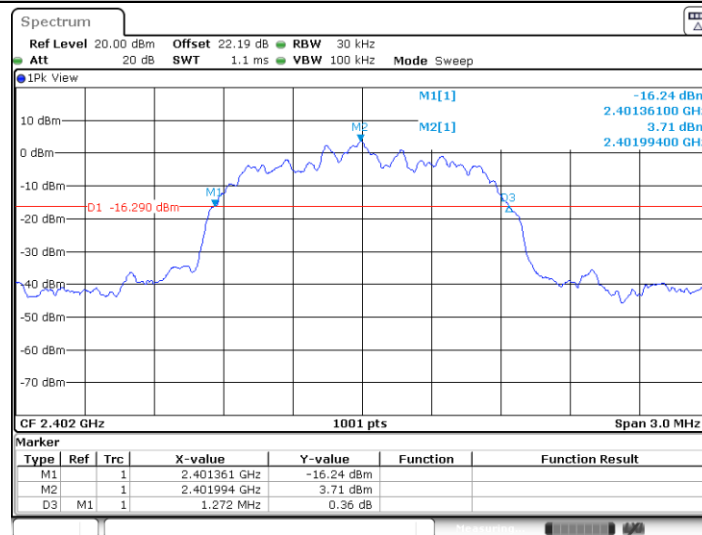




DH5\_Ant1\_2480

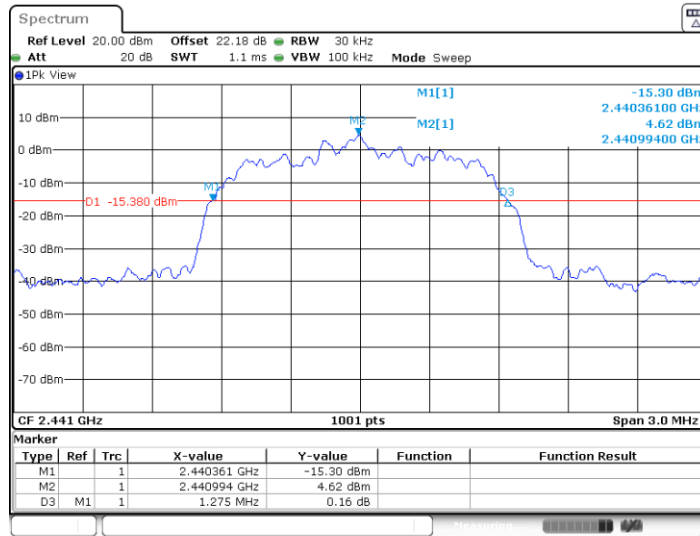


2DH1\_Ant1\_2402

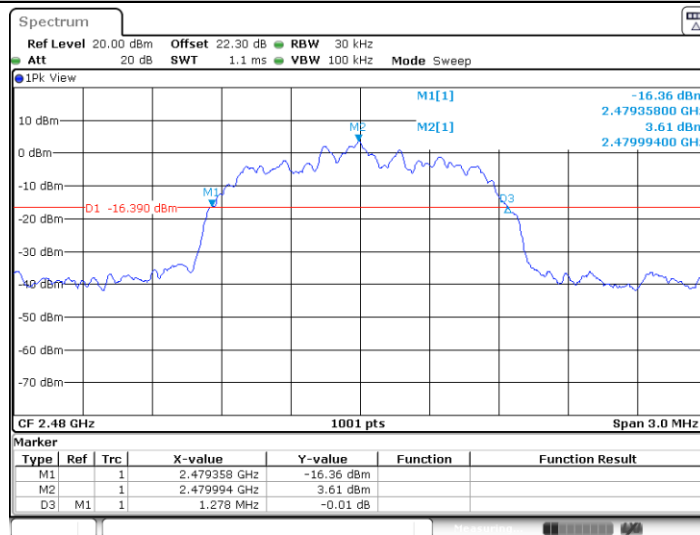




2DH1\_Ant1\_2441

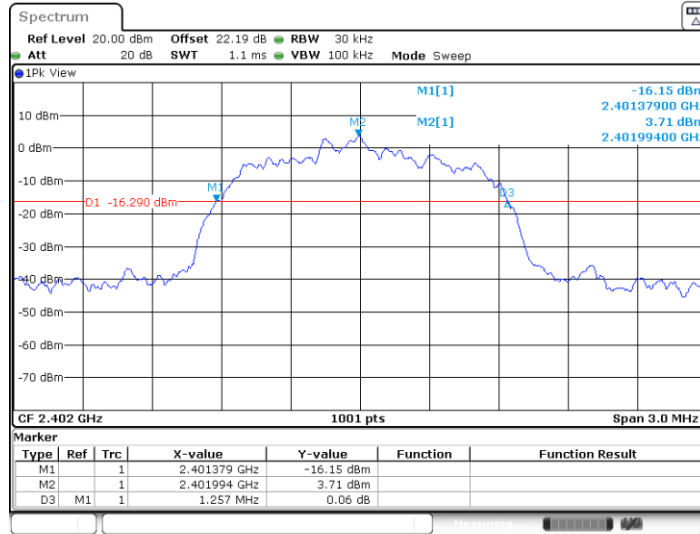


2DH1\_Ant1\_2480



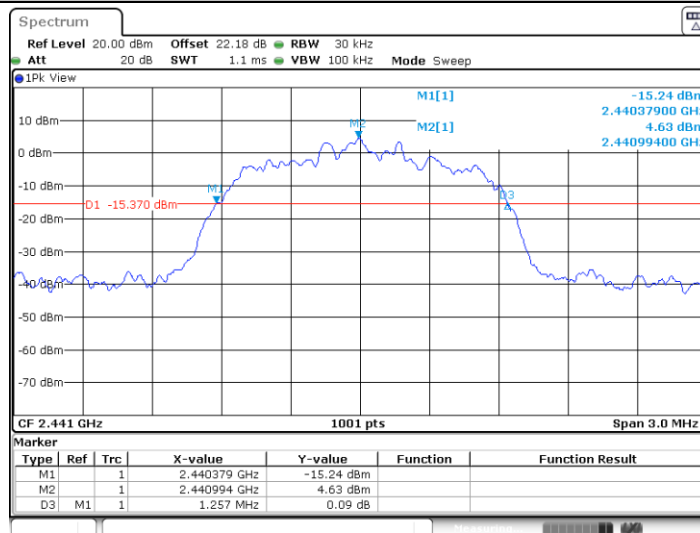


3DH1\_Ant1\_2402

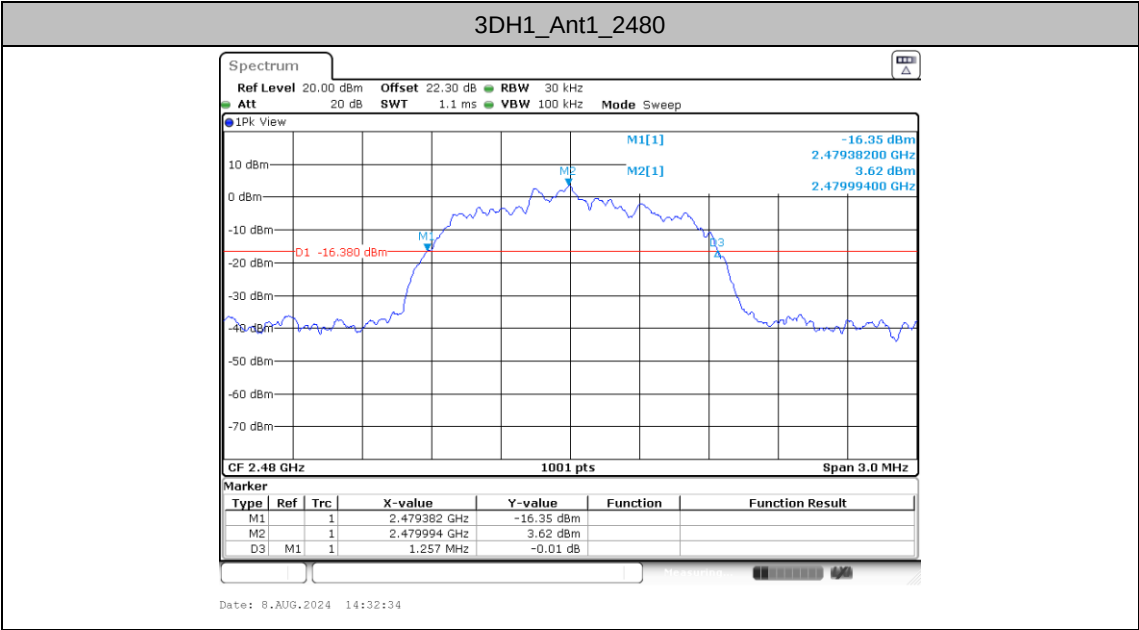


Date: 8.AUG.2024 14:30:02

3DH1\_Ant1\_2441



Date: 8.AUG.2024 14:31:27





## Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402      | 0.872     | 2401.5654 | 2402.4376 | ---        | ---     |
|          |         | 2441      | 0.863     | 2440.5714 | 2441.4346 | ---        | ---     |
|          |         | 2480      | 0.866     | 2479.5714 | 2480.4376 | ---        | ---     |
| 2DH1     | Ant1    | 2402      | 1.166     | 2401.4126 | 2402.5784 | ---        | ---     |
|          |         | 2441      | 1.166     | 2440.4126 | 2441.5784 | ---        | ---     |
|          |         | 2480      | 1.166     | 2479.4126 | 2480.5784 | ---        | ---     |
| 3DH1     | Ant1    | 2402      | 1.151     | 2401.4396 | 2402.5904 | ---        | ---     |
|          |         | 2441      | 1.151     | 2440.4396 | 2441.5904 | ---        | ---     |
|          |         | 2480      | 1.154     | 2479.4396 | 2480.5934 | ---        | ---     |

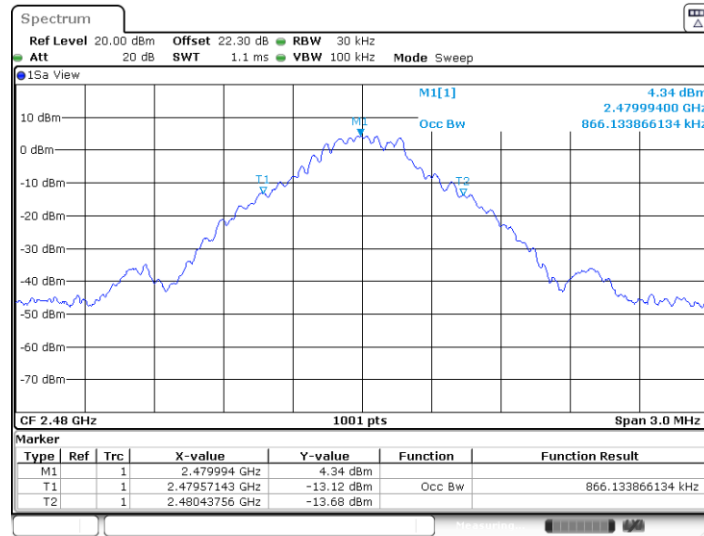


## Test Graphs



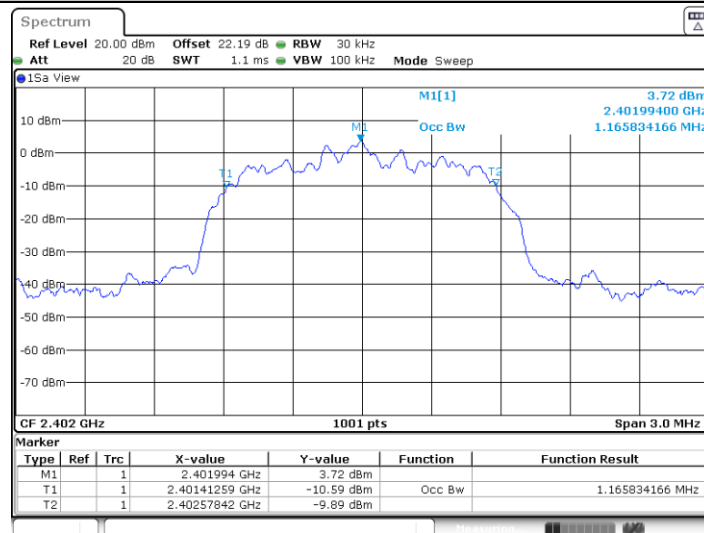


DH5\_Ant1\_2480



Date: 8.AUG.2024 14:24:54

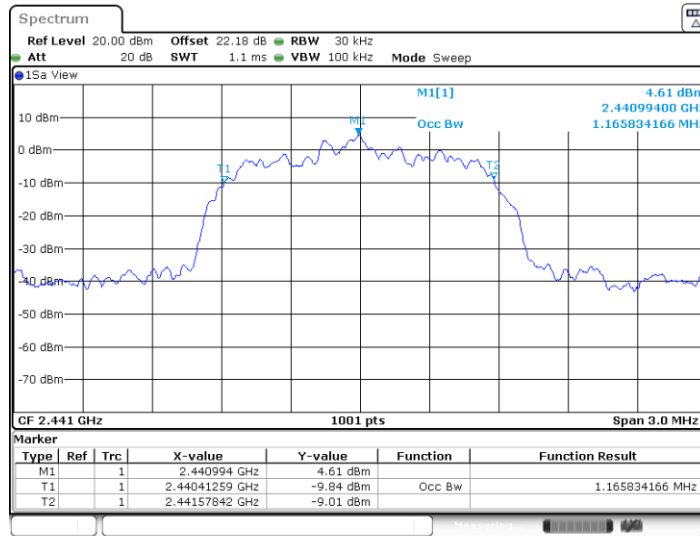
2DH1\_Ant1\_2402



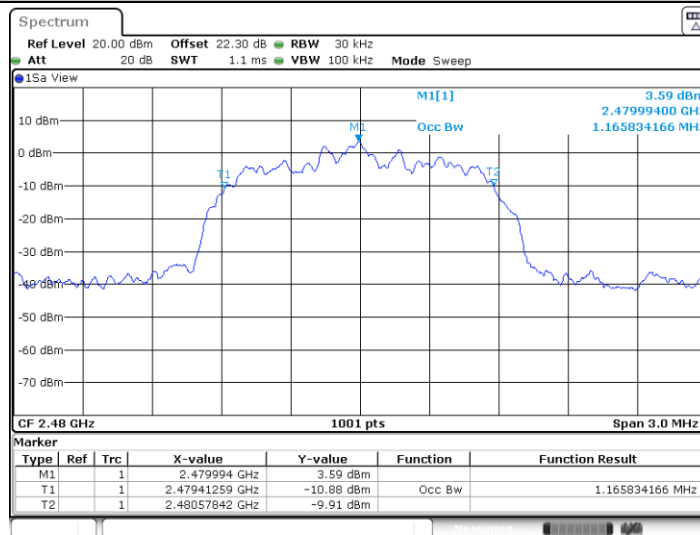
Date: 8.AUG.2024 14:26:19



2DH1\_Ant1\_2441

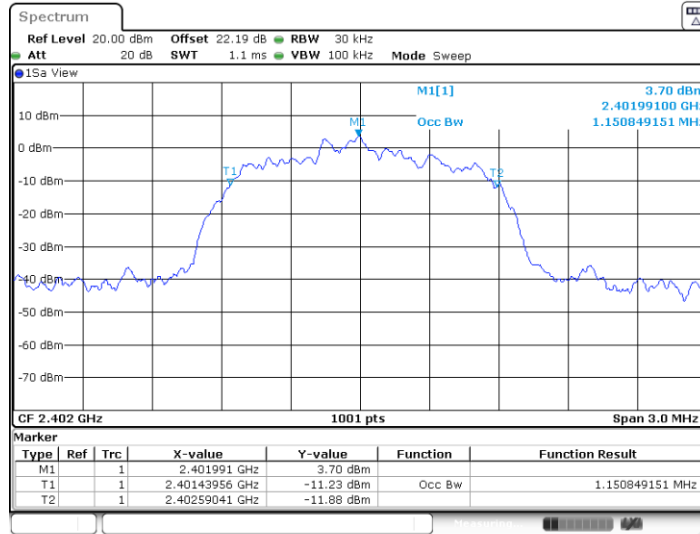


2DH1\_Ant1\_2480

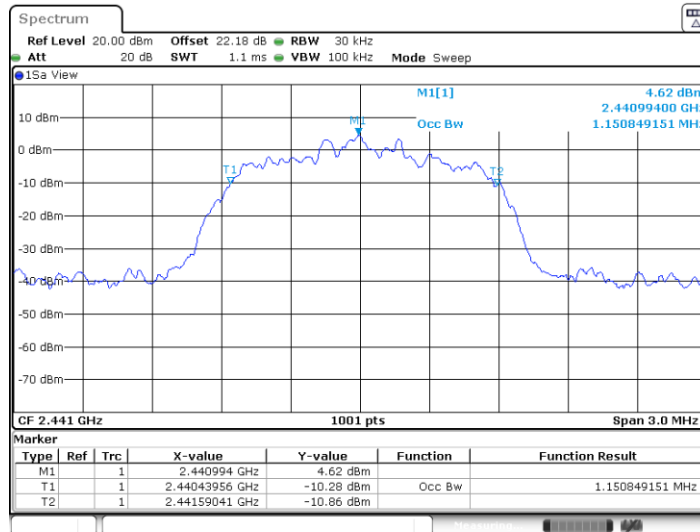


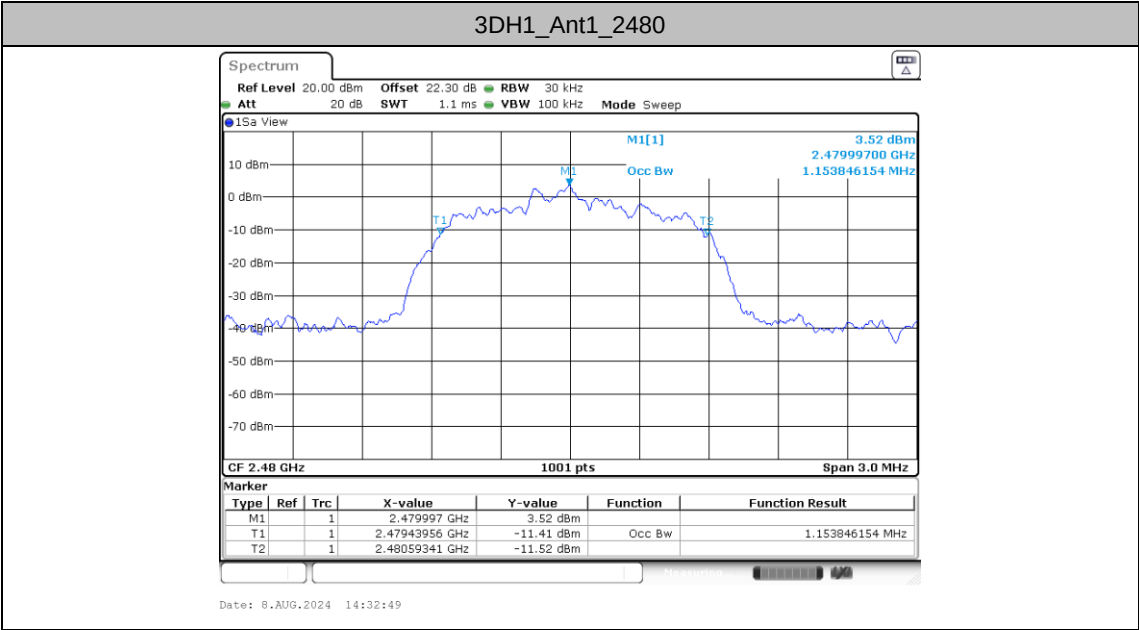


3DH1\_Ant1\_2402



3DH1\_Ant1\_2441





## Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | CH. | Peak Power (dBm) | Power Limit (dBm) | Pass/Fail |
|----------|---------|-----|------------------|-------------------|-----------|
| DH5      | Ant1    | 0   | 8.22             | 20.97             | Pass      |
|          |         | 39  | <b>8.66</b>      | 20.97             | Pass      |
|          |         | 78  | 7.52             | 20.97             | Pass      |
| 2DH5     | Ant1    | 0   | 9.04             | 20.97             | Pass      |
|          |         | 39  | <b>9.61</b>      | 20.97             | Pass      |
|          |         | 78  | 8.38             | 20.97             | Pass      |
| 3DH5     | Ant1    | 0   | 9.43             | 20.97             | Pass      |
|          |         | 39  | <b>9.98</b>      | 20.97             | Pass      |
|          |         | 78  | 8.78             | 20.97             | Pass      |

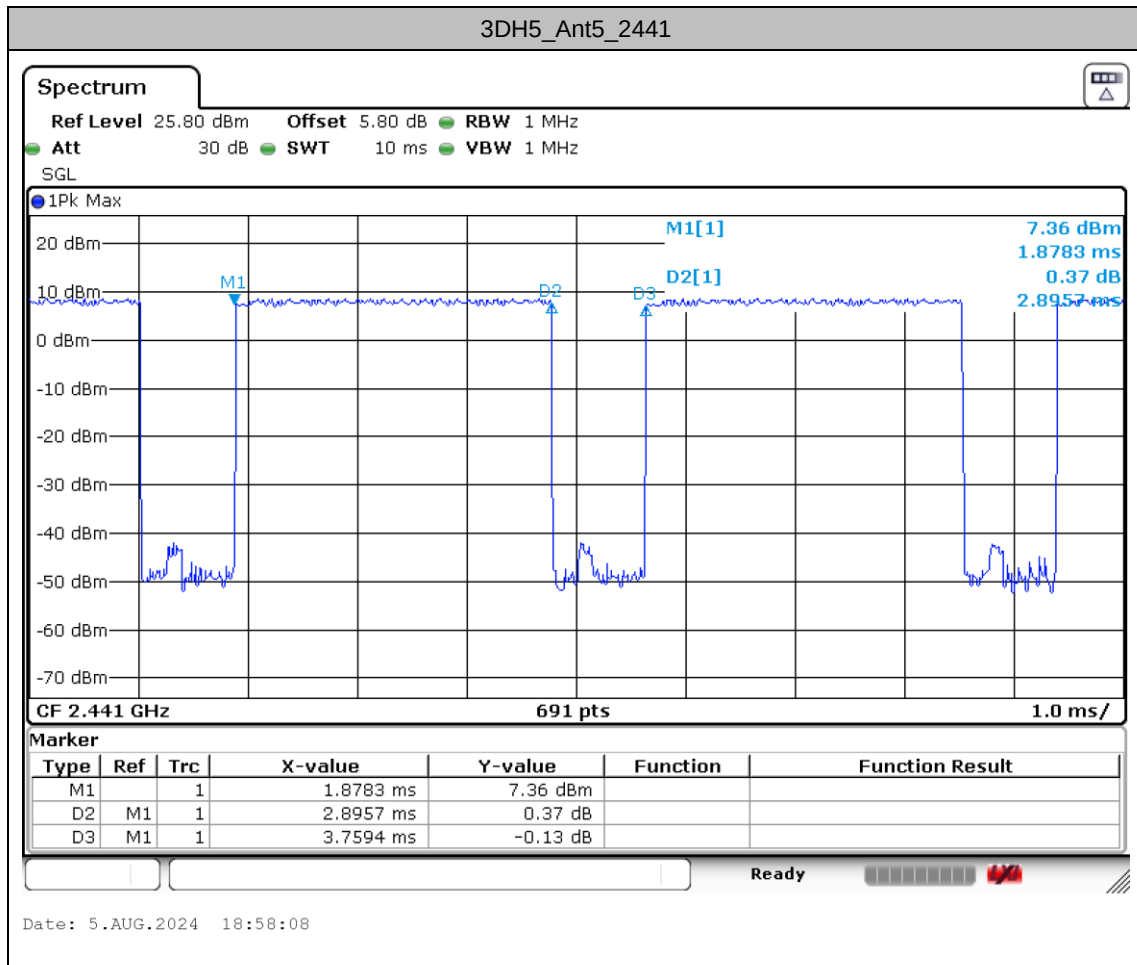
## Time of occupancy

### Test Result

| TestMode | Antenna | Hopping Channel Number Rate | Hops Over Occupancy Time(hops) | Package Transfer Time (msec) (MHz) | Dwell Time (sec) | Limits (sec) | Pass/Fail |
|----------|---------|-----------------------------|--------------------------------|------------------------------------|------------------|--------------|-----------|
| Normal   | Ant1    | 79                          | 106.67                         | 2.8957                             | 0.31             | 0.4          | Pass      |
| AFH      | Ant1    | 20                          | 53.33                          | 2.8957                             | 0.15             | 0.4          | Pass      |



## Test Graphs





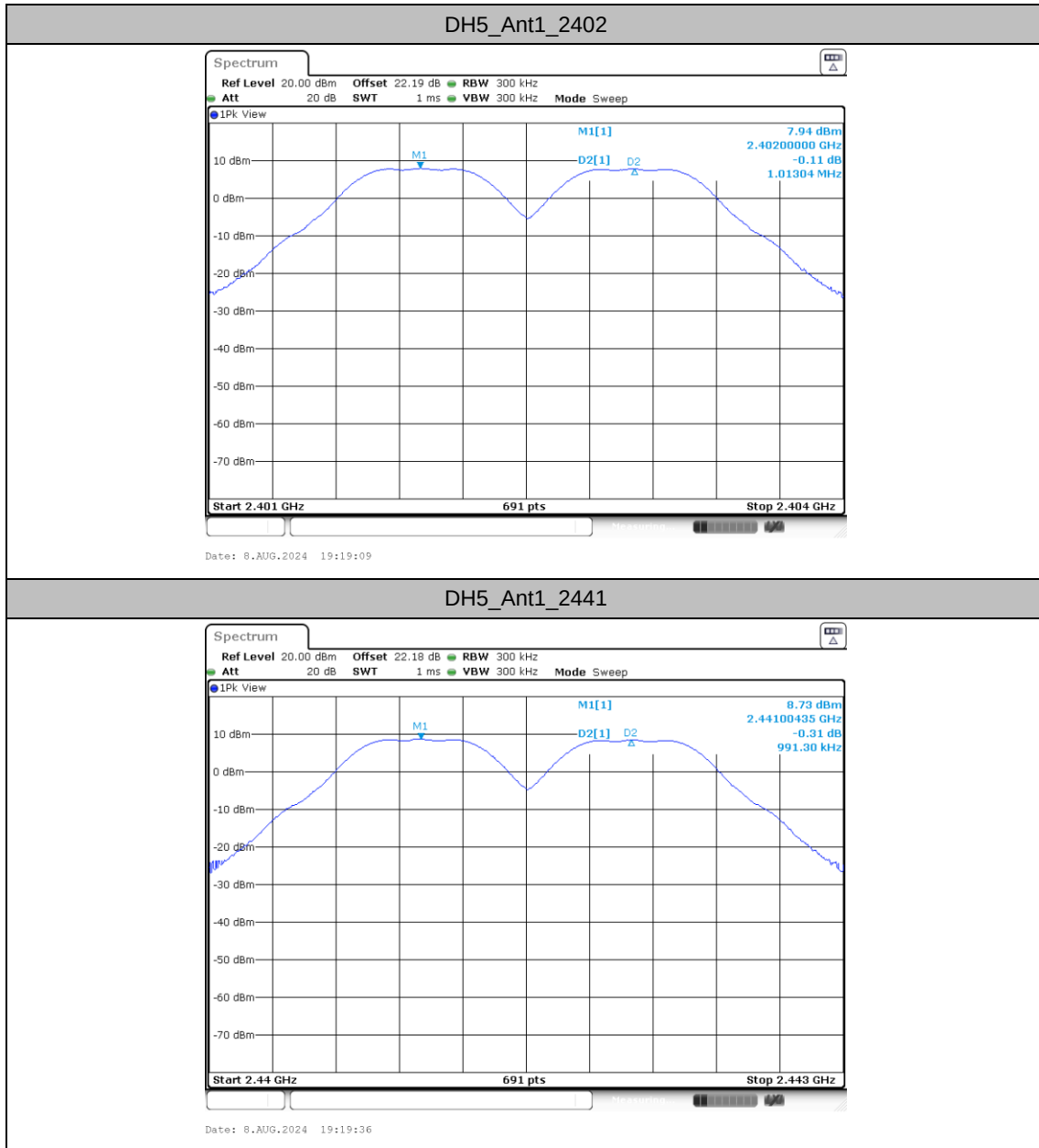
## Carrier frequency separation

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|-----------|-------------|--------------|---------|
| DH5      | Ant1    | 2402      | 1.013       | $\geq 0.633$ | PASS    |
|          |         | 2441      | 0.991       | $\geq 0.633$ | PASS    |
|          |         | 2480      | 1.004       | $\geq 0.633$ | PASS    |
| 2DH1     | Ant1    | 2402      | 0.991       | $\geq 0.847$ | PASS    |
|          |         | 2441      | 1.009       | $\geq 0.853$ | PASS    |
|          |         | 2480      | 1.009       | $\geq 0.853$ | PASS    |
| 3DH1     | Ant1    | 2402      | 1.004       | $\geq 0.840$ | PASS    |
|          |         | 2441      | 1.004       | $\geq 0.840$ | PASS    |
|          |         | 2480      | 1.017       | $\geq 0.840$ | PASS    |

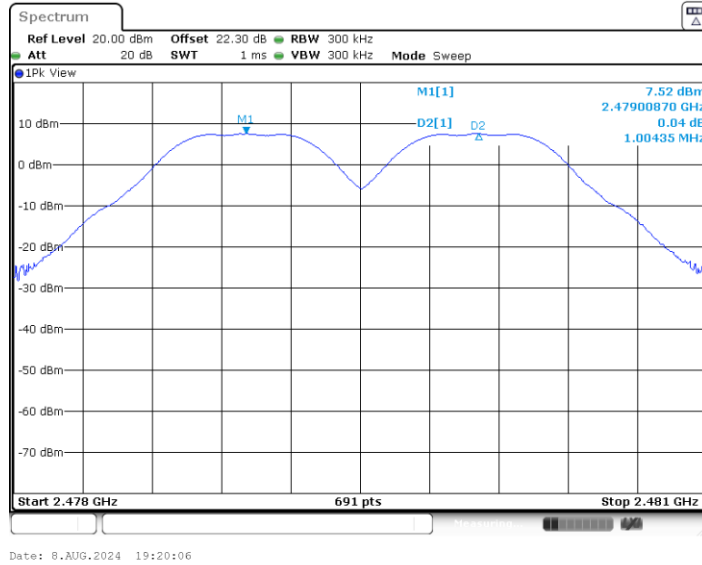


## Test Graphs

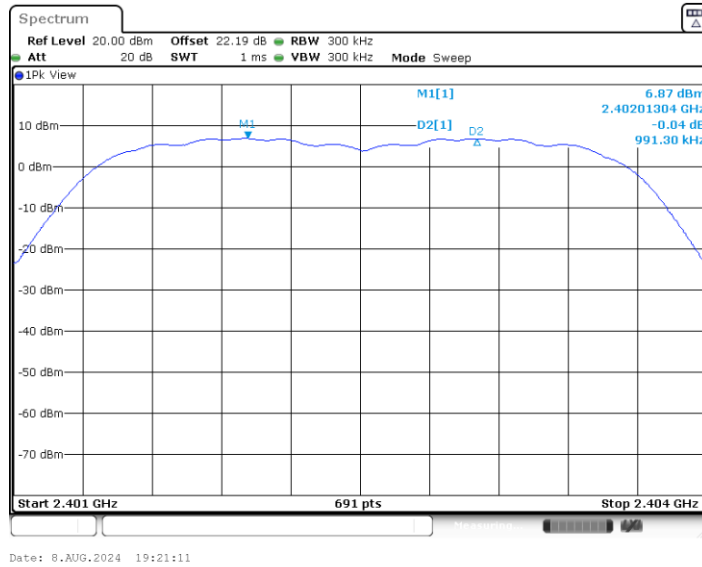




DH5\_Ant1\_2480

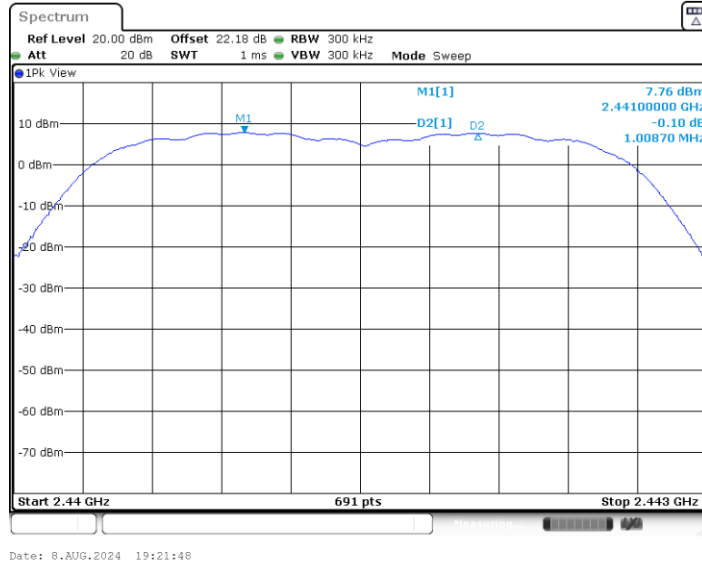


2DH1\_Ant1\_2402

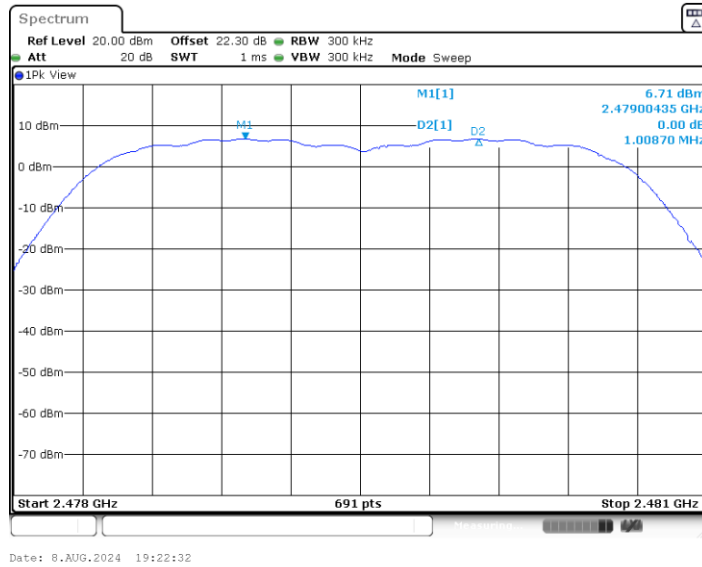




2DH1\_Ant1\_2441

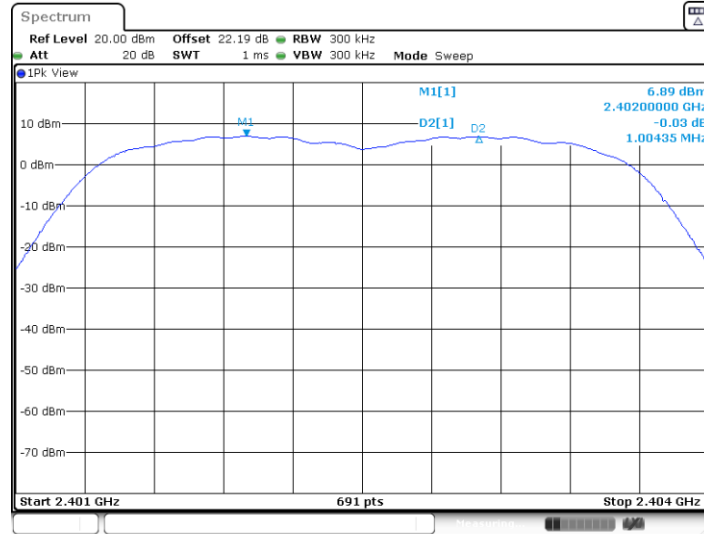


2DH1\_Ant1\_2480



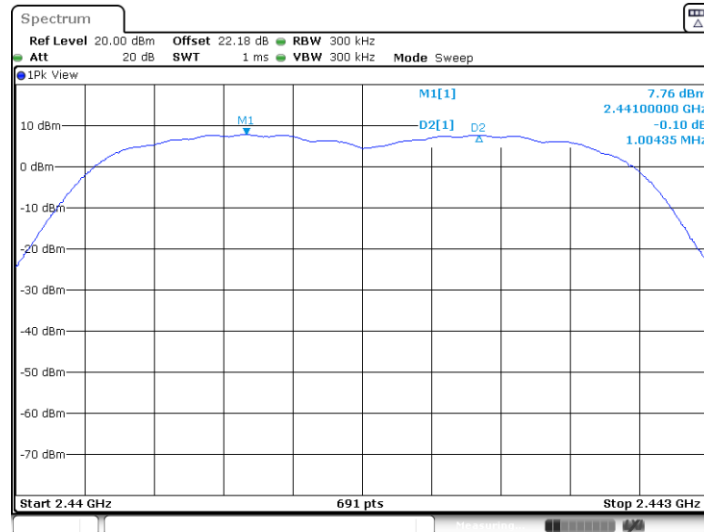


3DH1\_Ant1\_2402

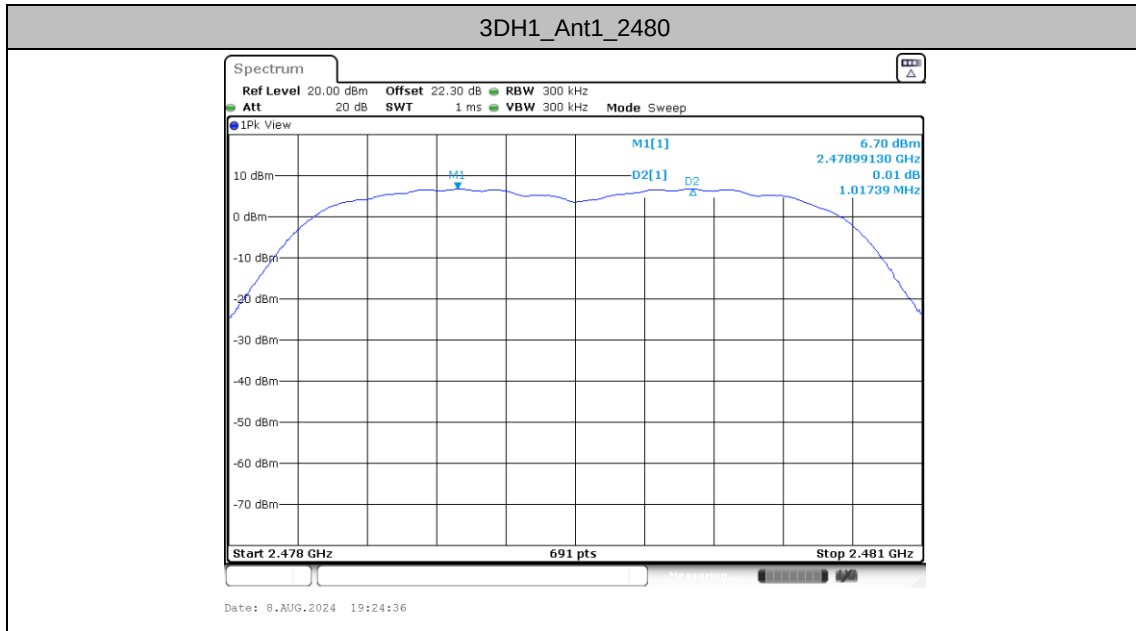


Date: 8.AUG.2024 19:23:13

3DH1\_Ant1\_2441



Date: 8.AUG.2024 19:23:53





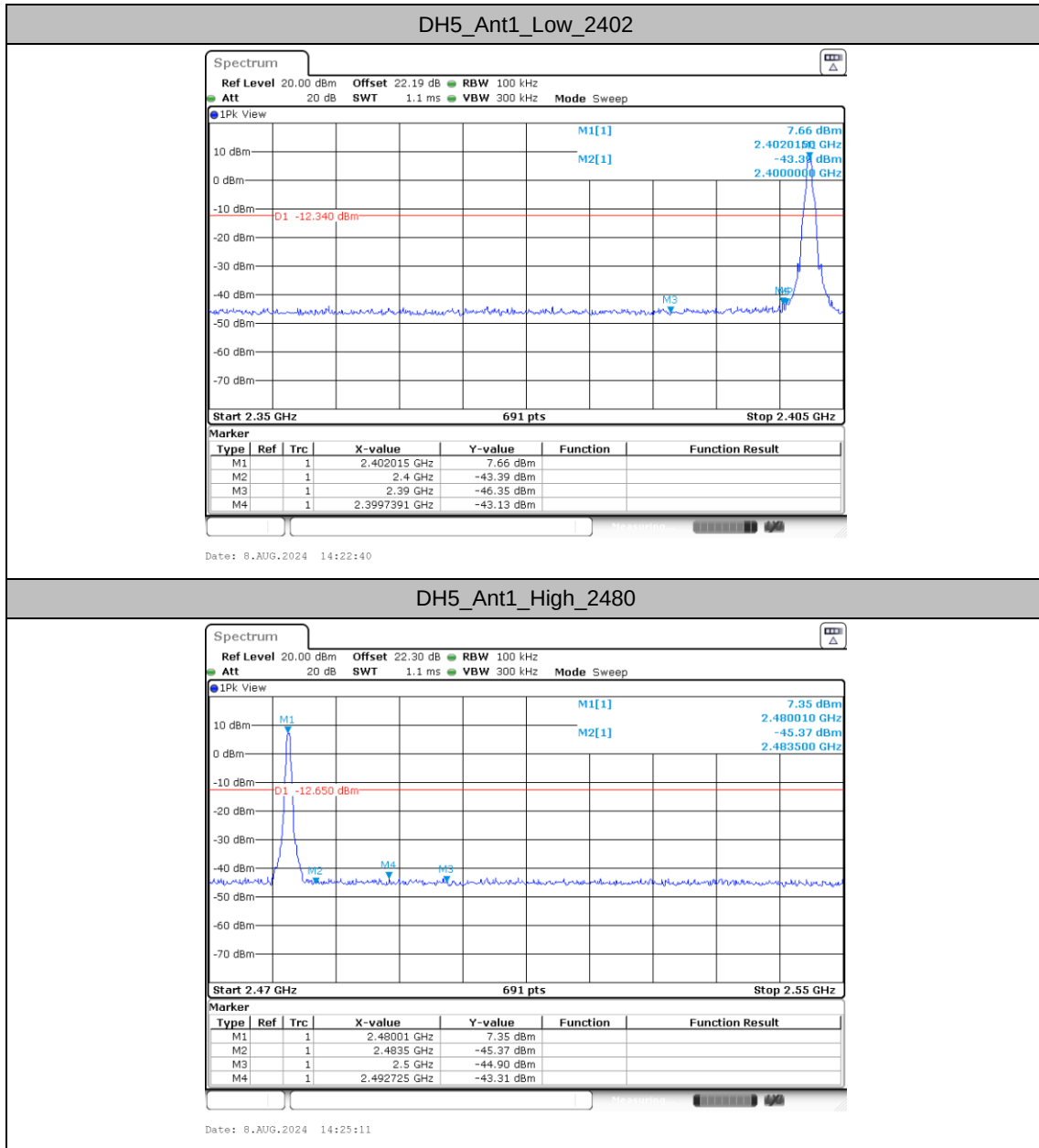
## Band edge measurements

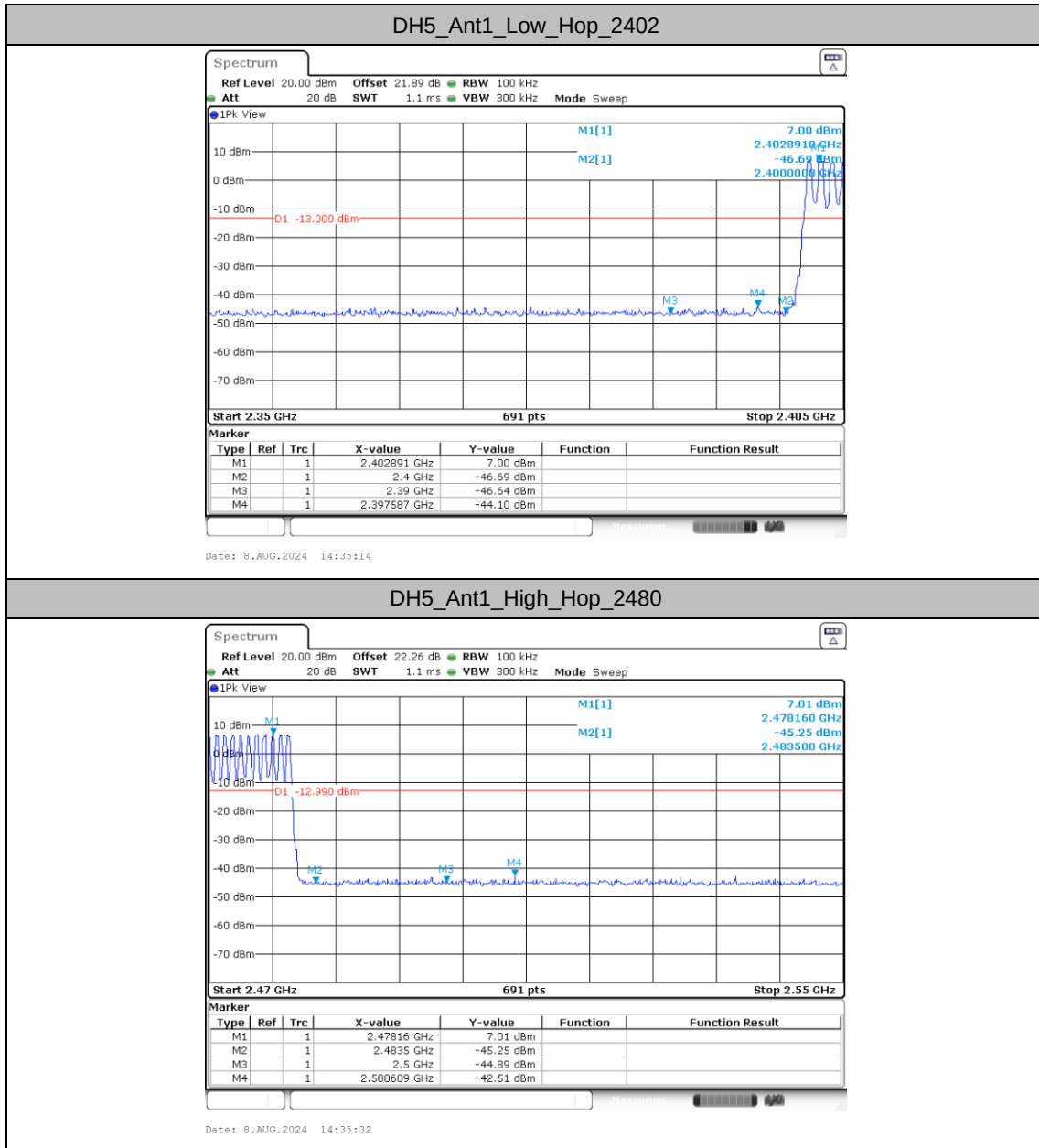
### Test Result

| TestMode | Antenna | ChName | Freq(MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|--------|-----------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | Low    | 2402      | 7.66           | -43.13       | $\leq -12.34$ | PASS    |
|          |         | High   | 2480      | 7.35           | -43.31       | $\leq -12.65$ | PASS    |
|          |         | Low    | Hop_2402  | 7.00           | -44.1        | $\leq -13$    | PASS    |
|          |         | High   | Hop_2480  | 7.01           | -42.51       | $\leq -12.99$ | PASS    |
| 2DH1     | Ant1    | Low    | 2402      | 6.72           | -43.98       | $\leq -13.28$ | PASS    |
|          |         | High   | 2480      | 6.56           | -42.94       | $\leq -13.44$ | PASS    |
|          |         | Low    | Hop_2402  | 6.19           | -44.53       | $\leq -13.81$ | PASS    |
|          |         | High   | Hop_2480  | 6.46           | -43.12       | $\leq -13.54$ | PASS    |
| 3DH1     | Ant1    | Low    | 2402      | 6.72           | -43.49       | $\leq -13.28$ | PASS    |
|          |         | High   | 2480      | 6.59           | -42.93       | $\leq -13.41$ | PASS    |
|          |         | Low    | Hop_2402  | 5.85           | -43.81       | $\leq -14.15$ | PASS    |
|          |         | High   | Hop_2480  | 6.44           | -43.01       | $\leq -13.56$ | PASS    |



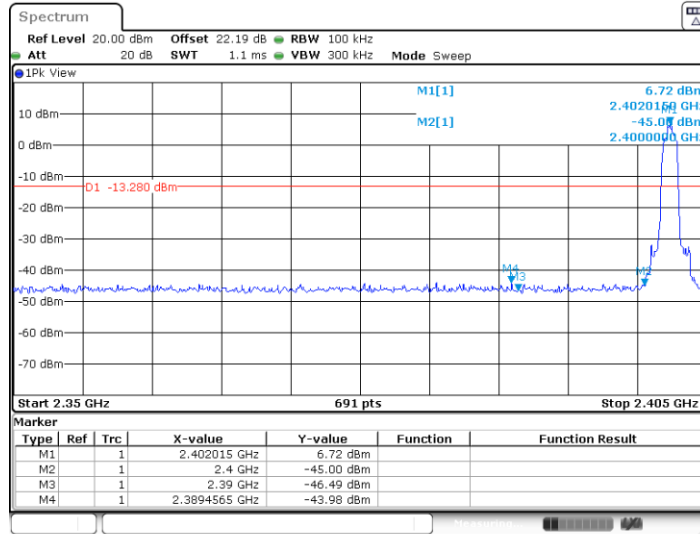
## Test Graphs





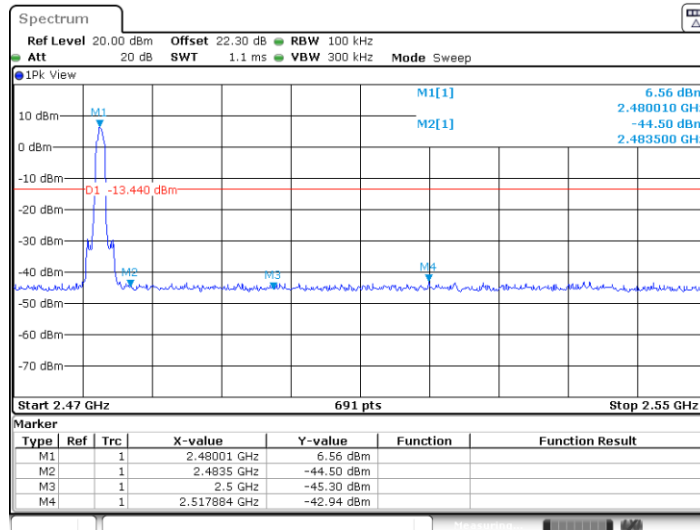


2DH1\_Ant1\_Low\_2402



Date: 8.AUG.2024 14:26:37

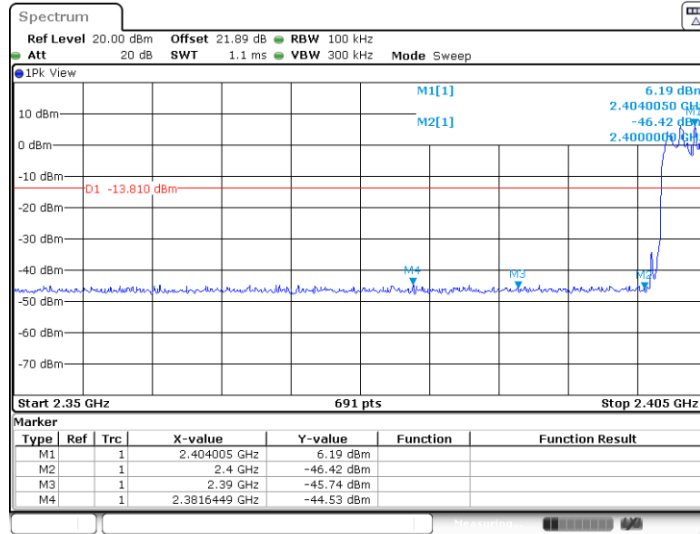
2DH1\_Ant1\_High\_2480



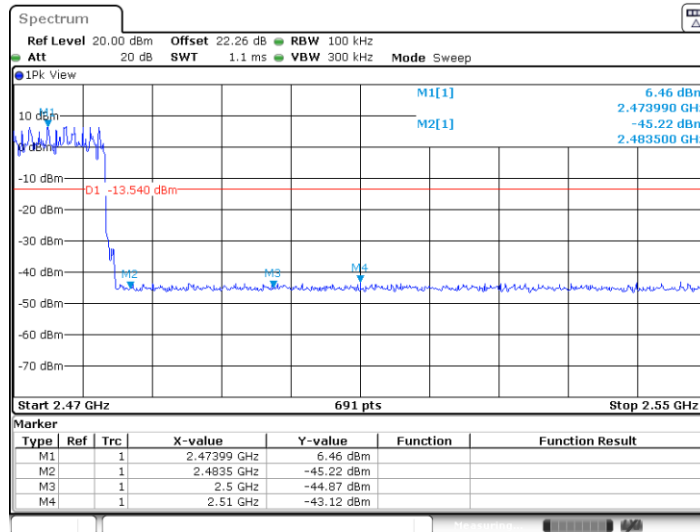
Date: 8.AUG.2024 14:29:09



2DH1\_Ant1\_Low\_Hop\_2402

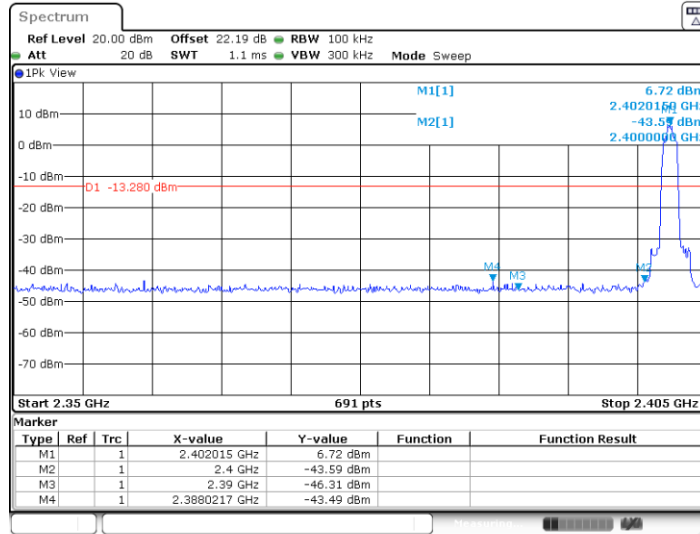


2DH1\_Ant1\_High\_Hop\_2480



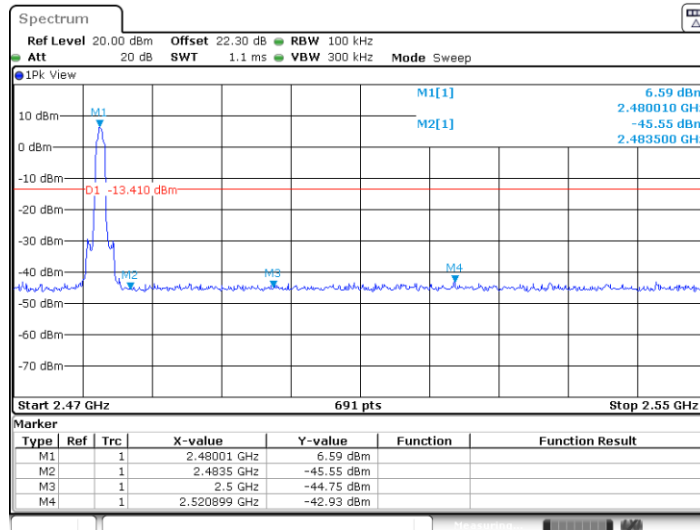


3DH1\_Ant1\_Low\_2402



Date: 8.AUG.2024 14:30:34

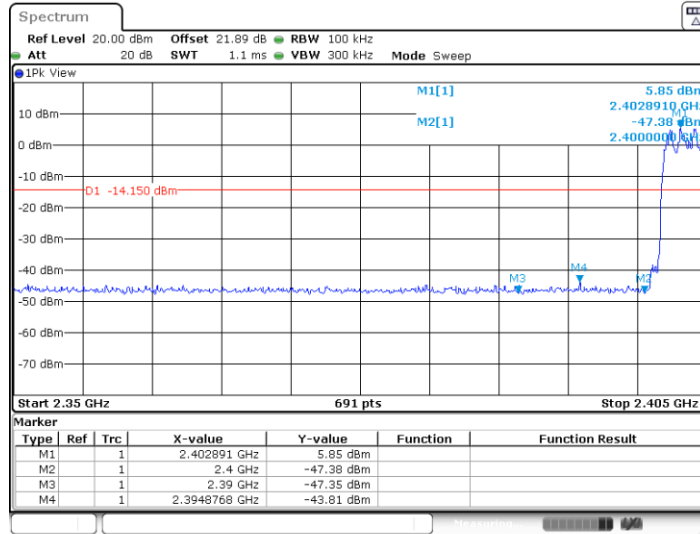
3DH1\_Ant1\_High\_2480



Date: 8.AUG.2024 14:33:07

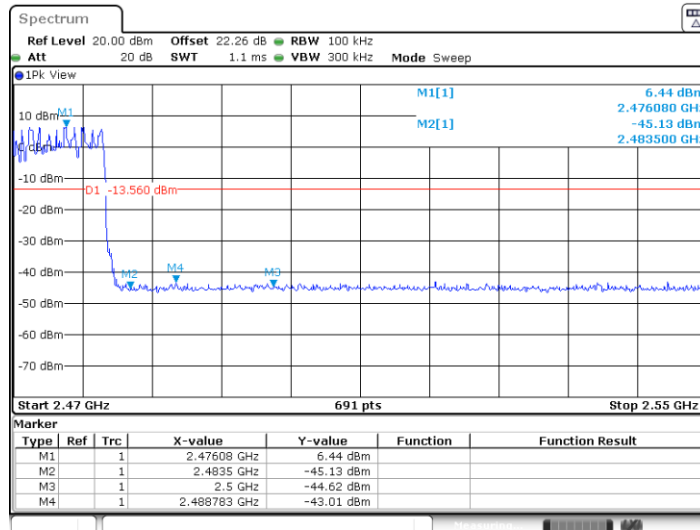


3DH1\_Ant1\_Low\_Hop\_2402



Date: 8.AUG.2024 14:36:27

3DH1\_Ant1\_High\_Hop\_2480



Date: 8.AUG.2024 14:36:45



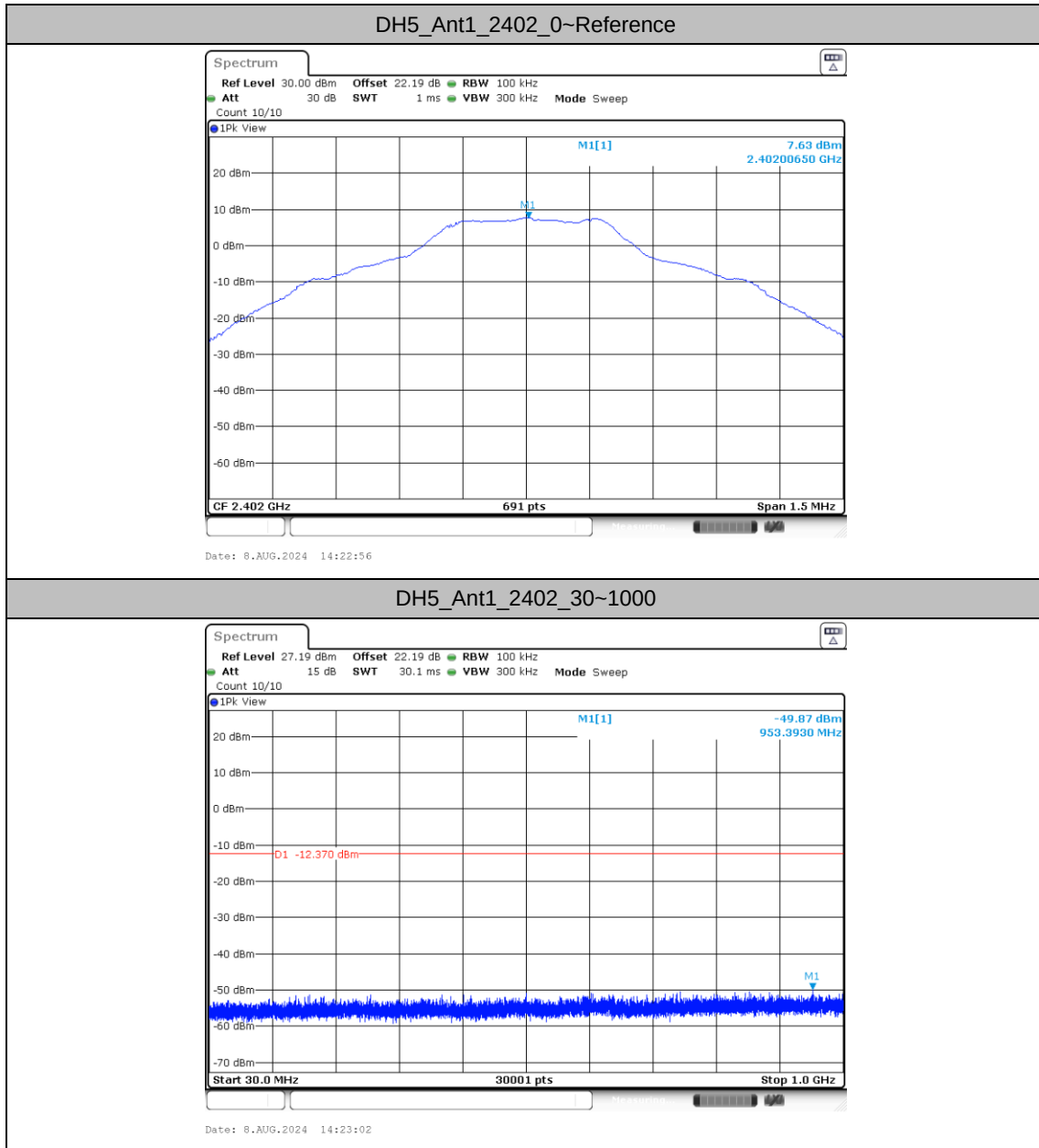
## Conducted Spurious Emission

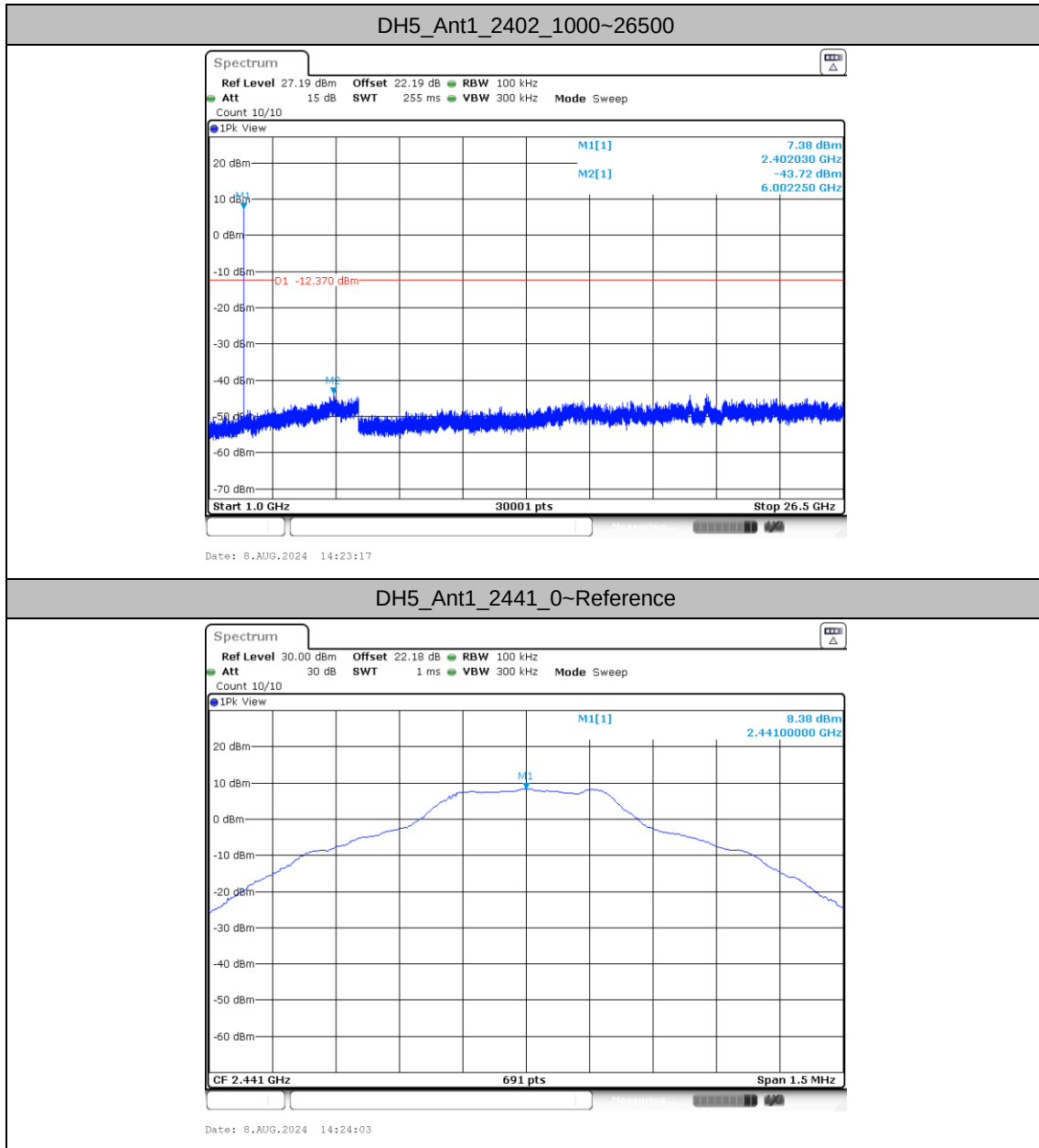
### Test Result

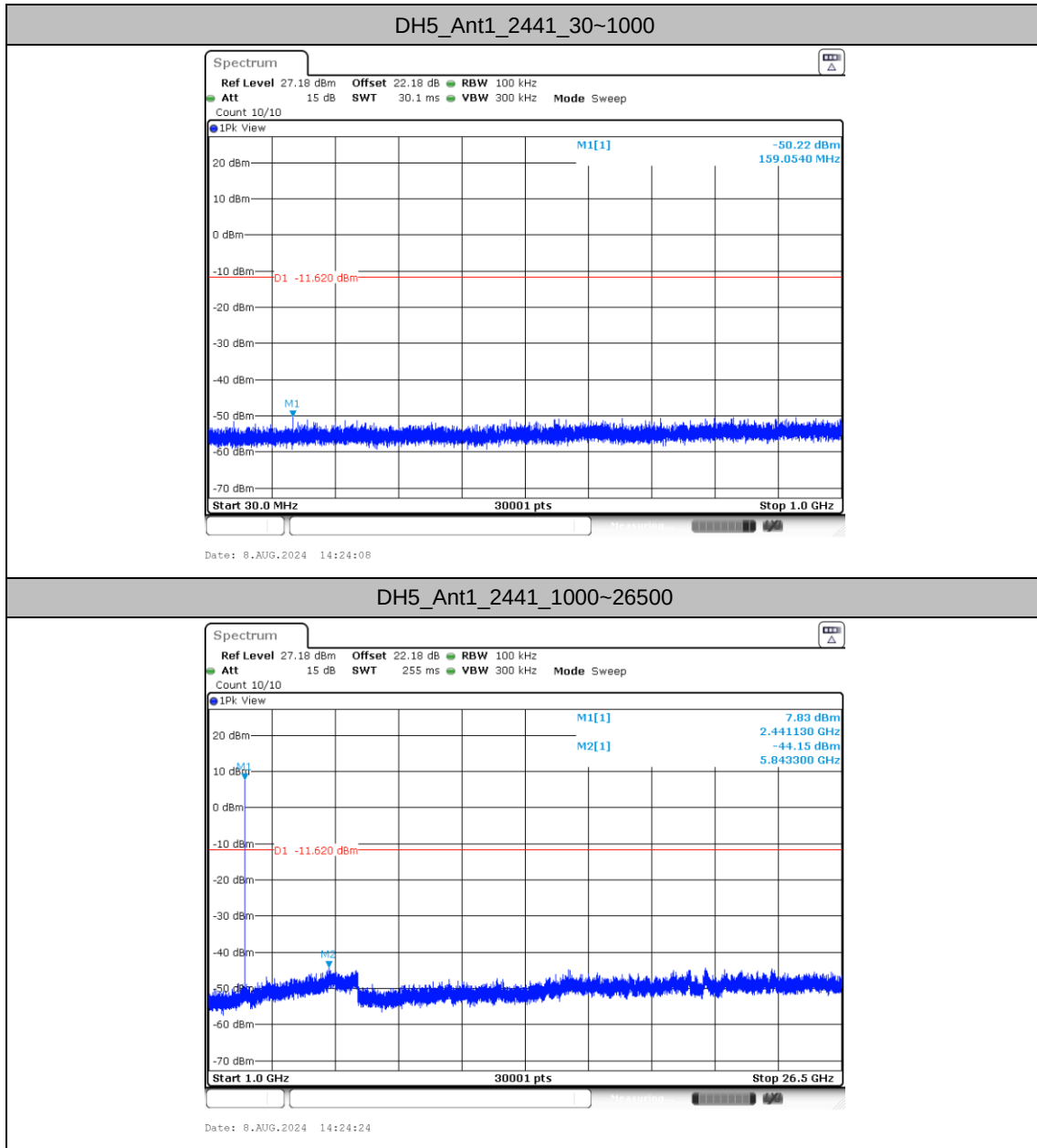
| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402      | Reference       | 7.63           | 7.63         | ---         | PASS    |
|          |         |           | 30~1000         | 7.63           | -49.87       | ≤-12.37     | PASS    |
|          |         |           | 1000~26500      | 7.63           | -43.72       | ≤-12.37     | PASS    |
|          |         | 2441      | Reference       | 8.38           | 8.38         | ---         | PASS    |
|          |         |           | 30~1000         | 8.38           | -50.22       | ≤-11.62     | PASS    |
|          |         |           | 1000~26500      | 8.38           | -44.15       | ≤-11.62     | PASS    |
|          |         | 2480      | Reference       | 7.28           | 7.28         | ---         | PASS    |
|          |         |           | 30~1000         | 7.28           | -49.81       | ≤-12.72     | PASS    |
|          |         |           | 1000~26500      | 7.28           | -43.58       | ≤-12.72     | PASS    |
| 2DH1     | Ant1    | 2402      | Reference       | 6.69           | 6.69         | ---         | PASS    |
|          |         |           | 30~1000         | 6.69           | -50.36       | ≤-13.31     | PASS    |
|          |         |           | 1000~26500      | 6.69           | -44.44       | ≤-13.31     | PASS    |
|          |         | 2441      | Reference       | 7.51           | 7.51         | ---         | PASS    |
|          |         |           | 30~1000         | 7.51           | -49.95       | ≤-12.49     | PASS    |
|          |         |           | 1000~26500      | 7.51           | -44.09       | ≤-12.49     | PASS    |
|          |         | 2480      | Reference       | 6.49           | 6.49         | ---         | PASS    |
|          |         |           | 30~1000         | 6.49           | -50.23       | ≤-13.51     | PASS    |
|          |         |           | 1000~26500      | 6.49           | -43.88       | ≤-13.51     | PASS    |
| 3DH1     | Ant1    | 2402      | Reference       | 6.70           | 6.70         | ---         | PASS    |
|          |         |           | 30~1000         | 6.70           | -49.36       | ≤-13.3      | PASS    |
|          |         |           | 1000~26500      | 6.70           | -43.61       | ≤-13.3      | PASS    |
|          |         | 2441      | Reference       | 7.52           | 7.52         | ---         | PASS    |
|          |         |           | 30~1000         | 7.52           | -49.2        | ≤-12.48     | PASS    |
|          |         |           | 1000~26500      | 7.52           | -43.68       | ≤-12.48     | PASS    |
|          |         | 2480      | Reference       | 6.53           | 6.53         | ---         | PASS    |
|          |         |           | 30~1000         | 6.53           | -49.87       | ≤-13.47     | PASS    |
|          |         |           | 1000~26500      | 6.53           | -43.8        | ≤-13.47     | PASS    |

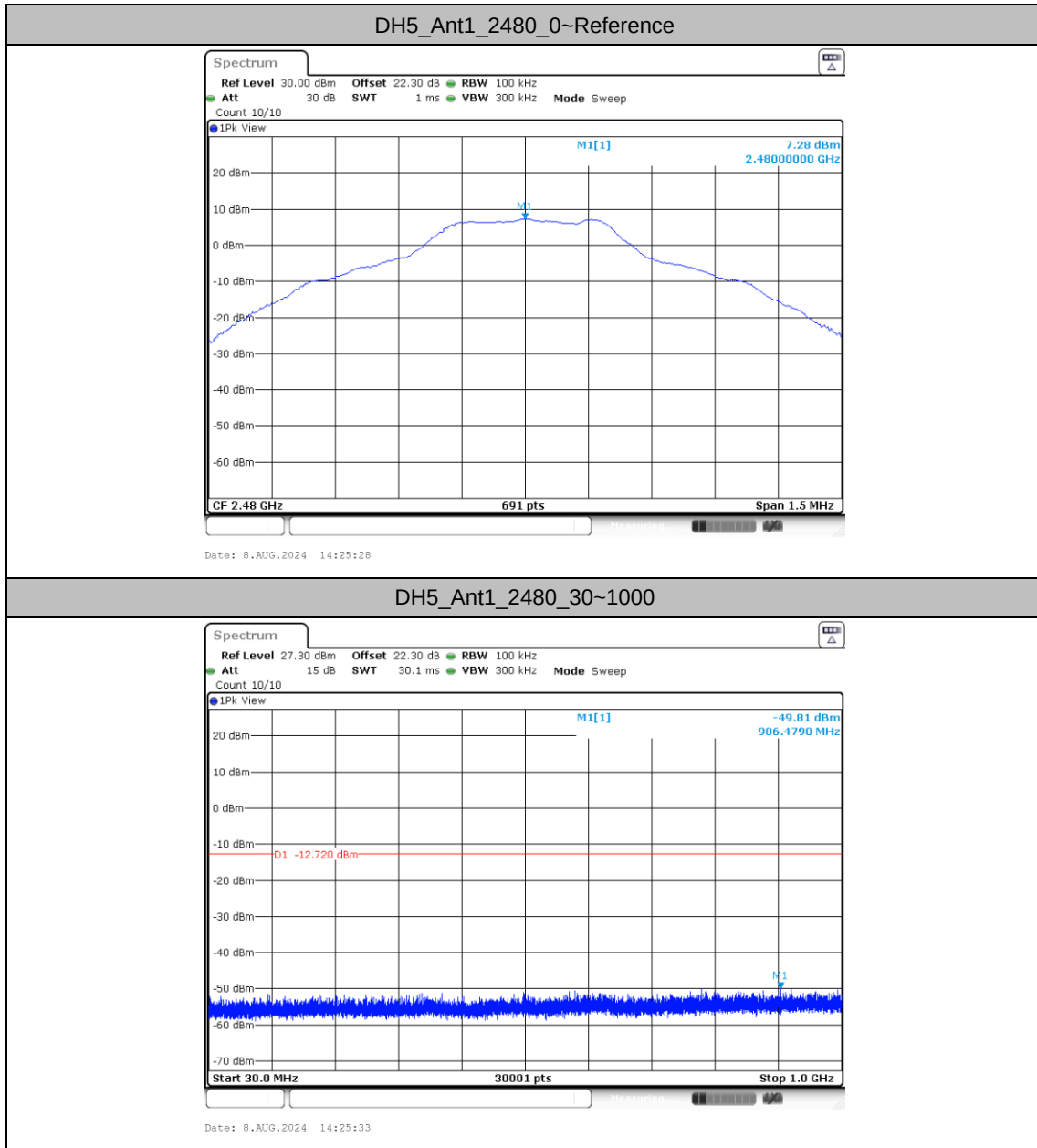


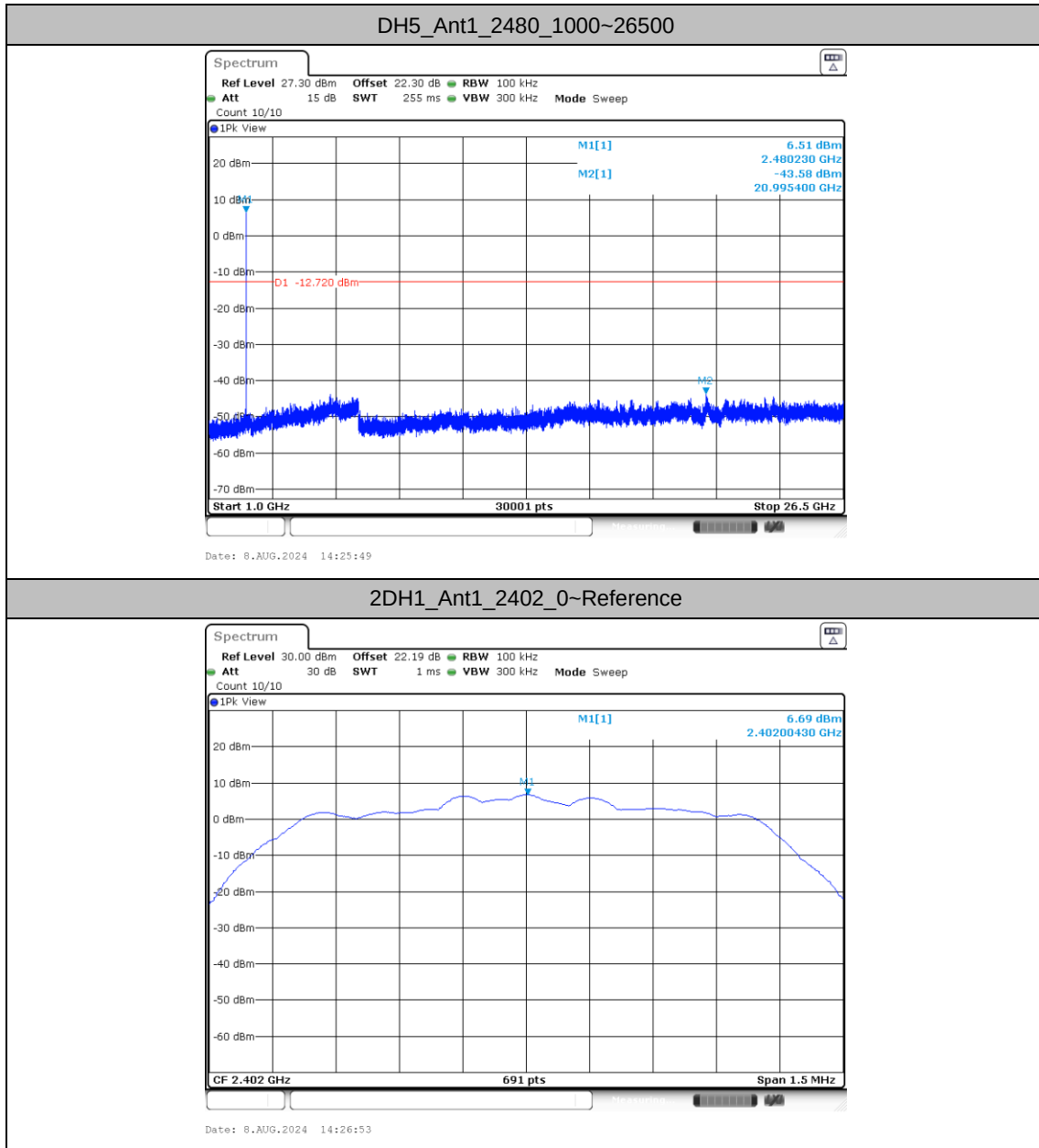
## Test Graphs

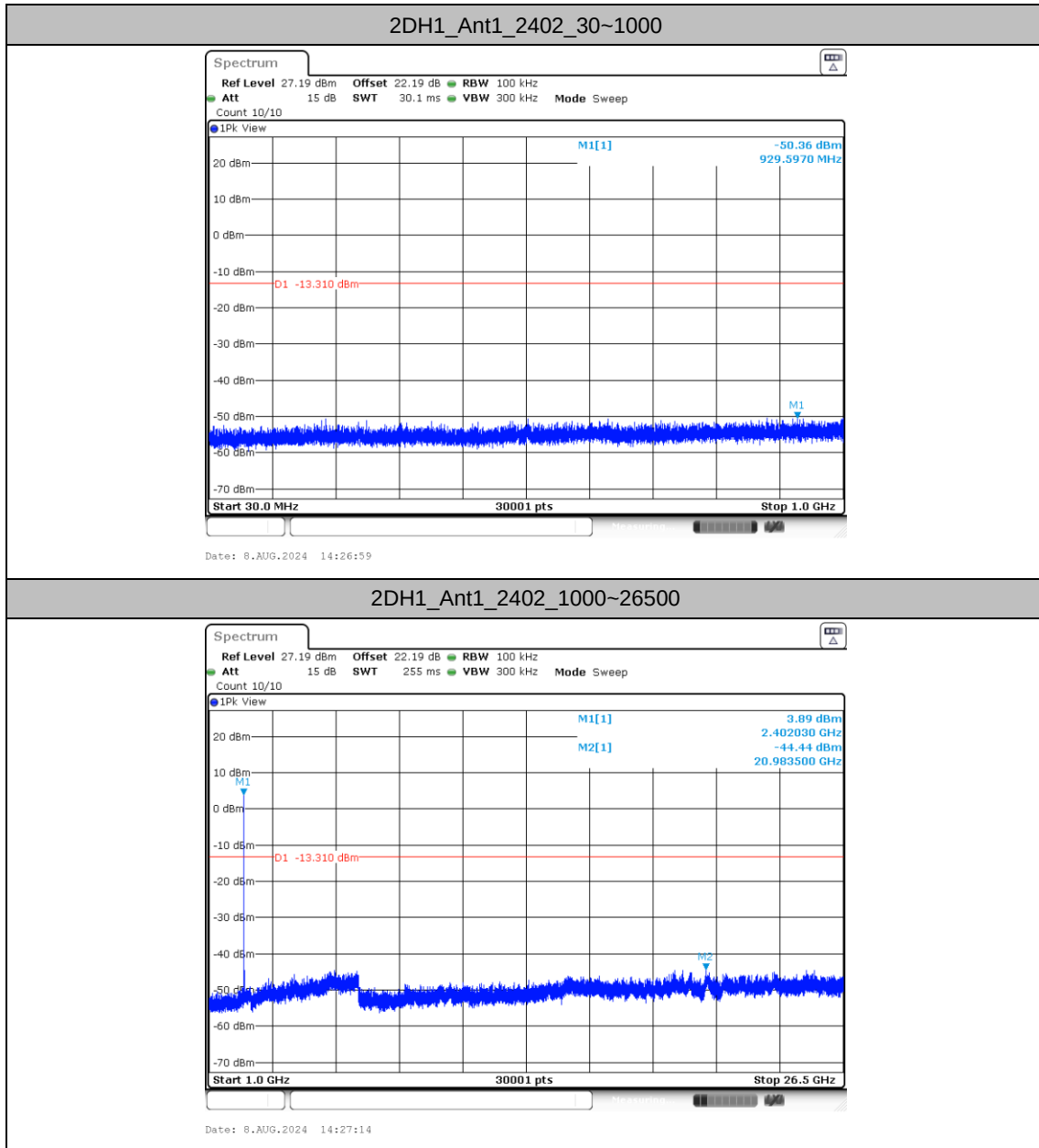


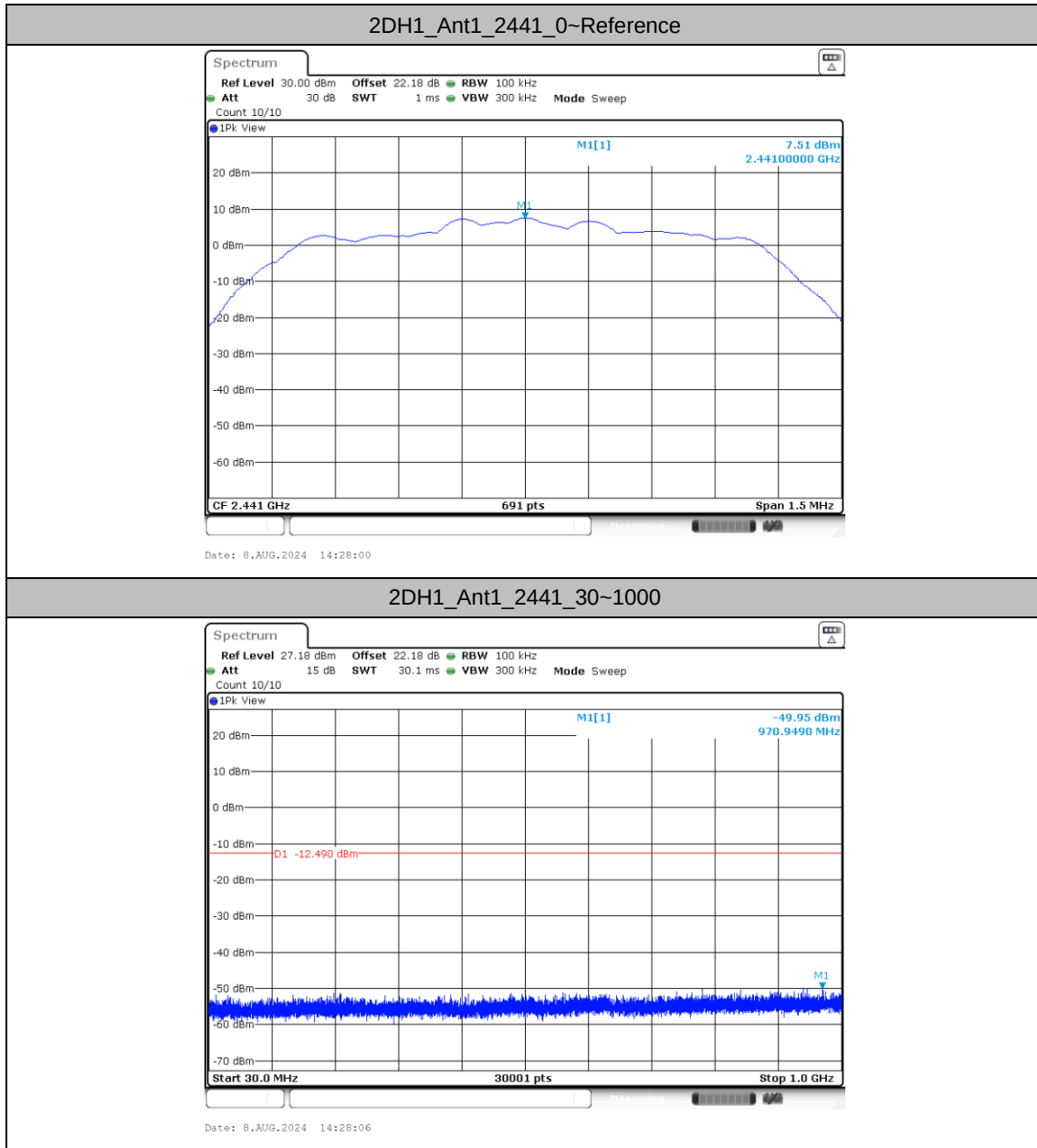






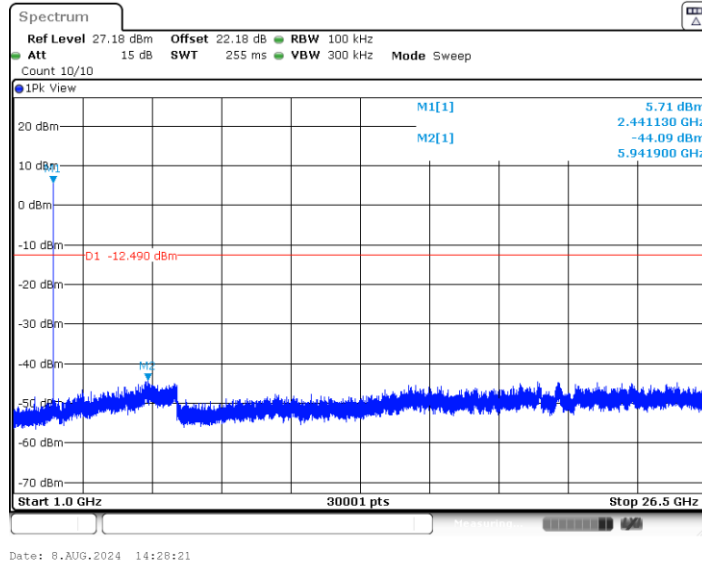




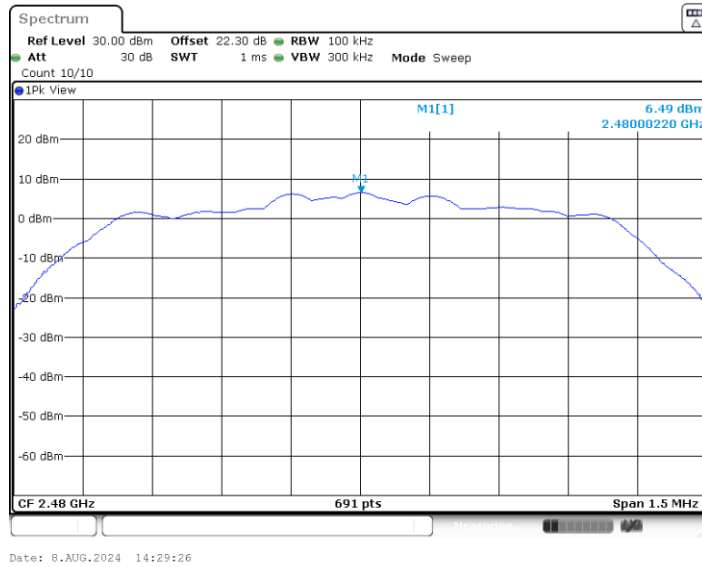


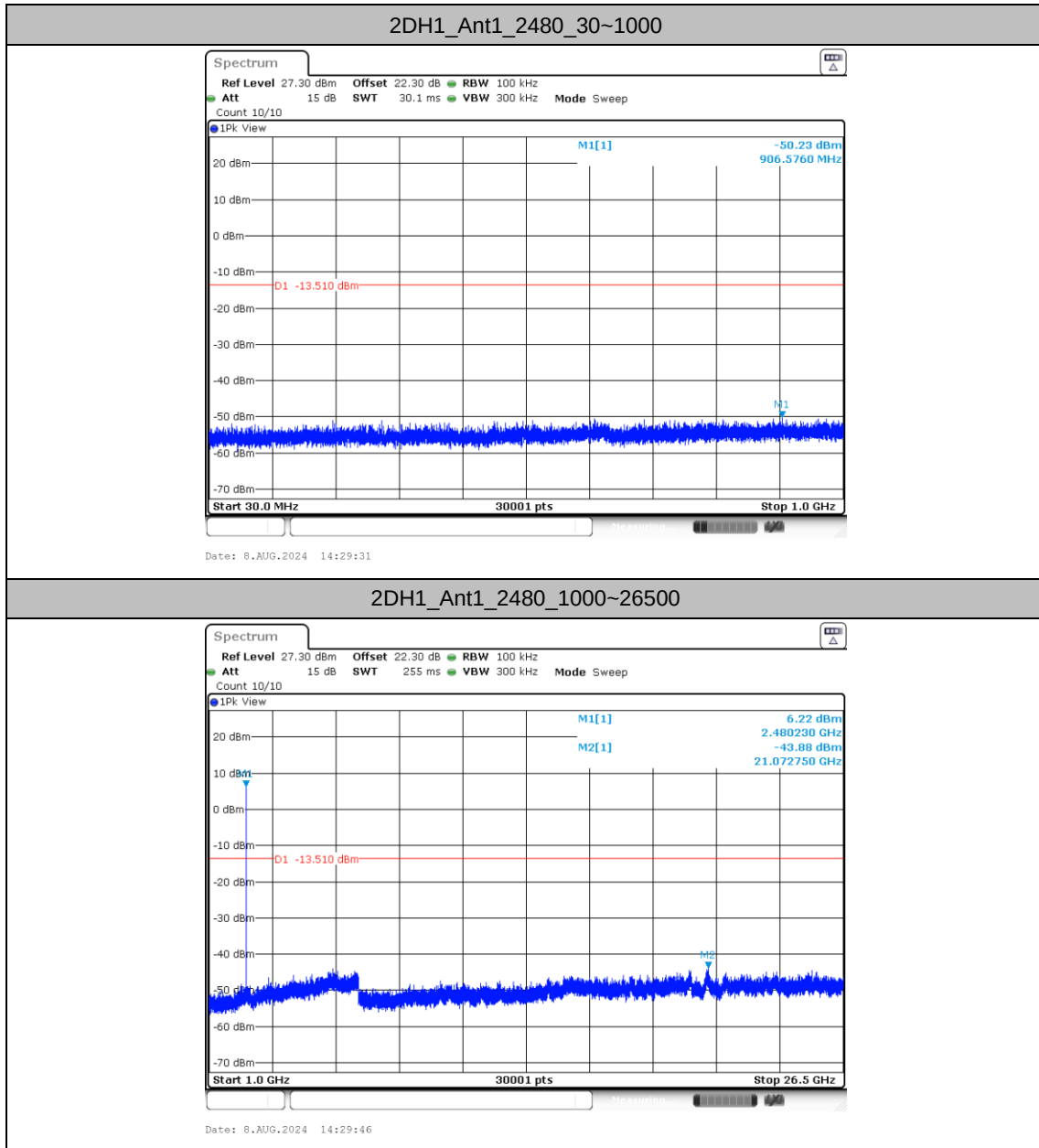


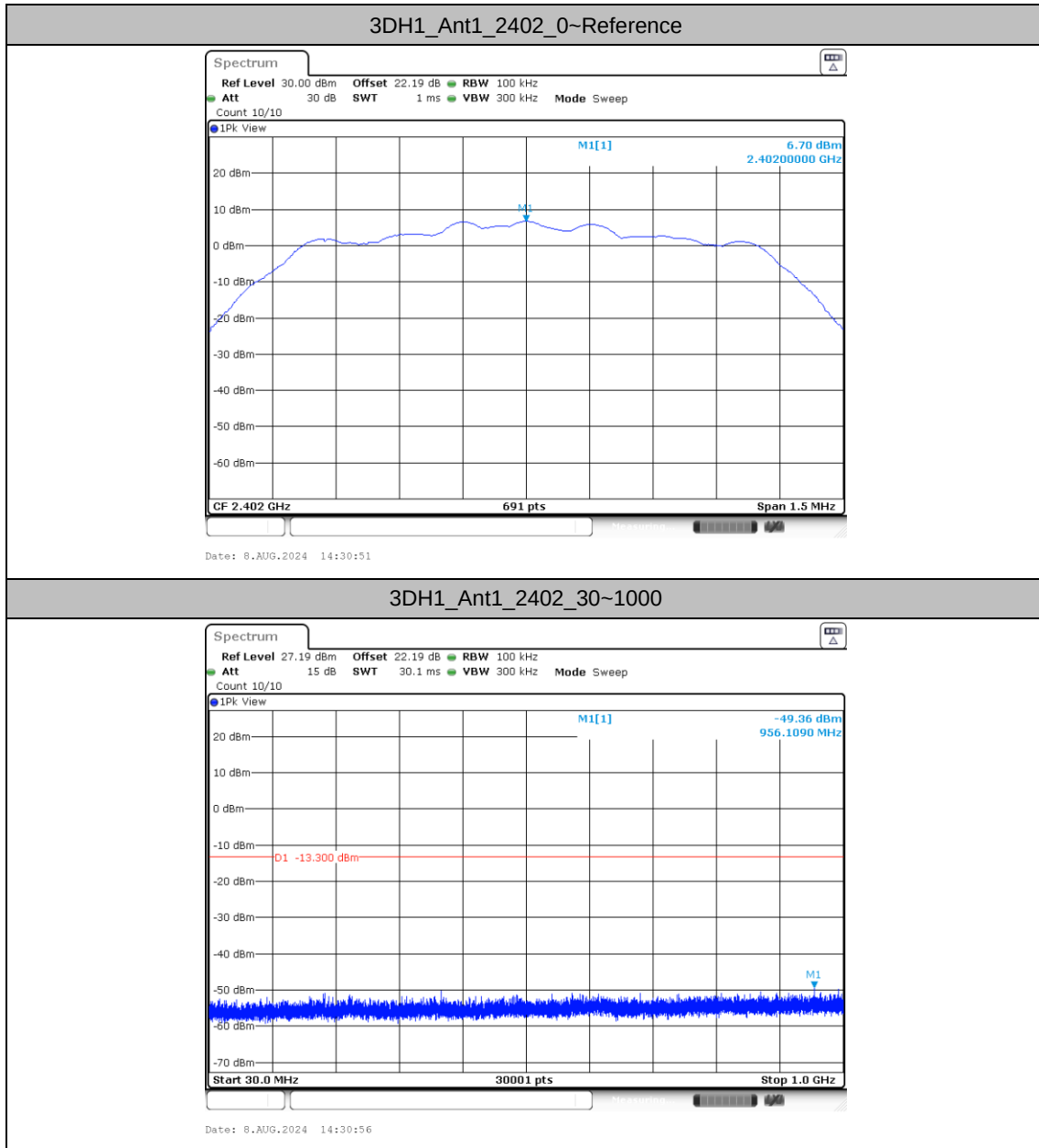
2DH1\_Ant1\_2441\_1000~26500



2DH1\_Ant1\_2480\_0~Reference

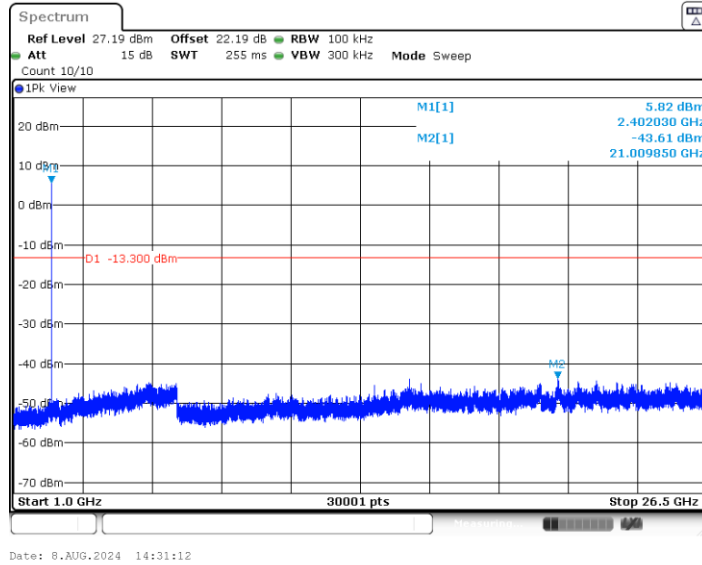




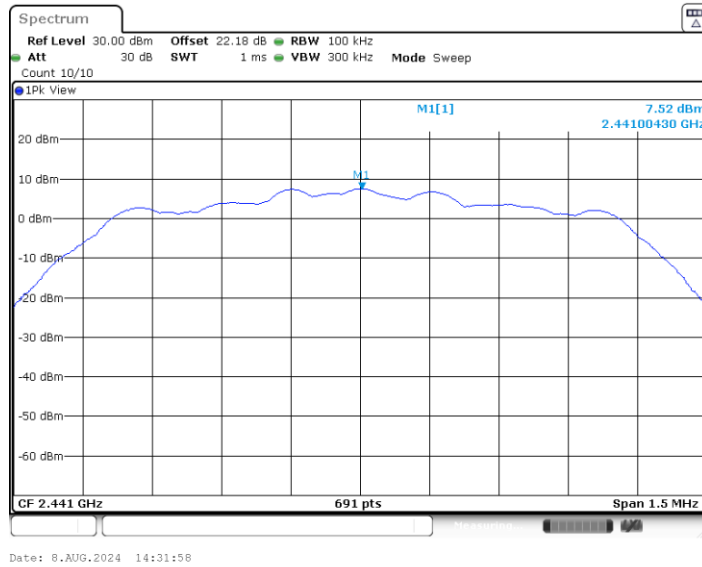


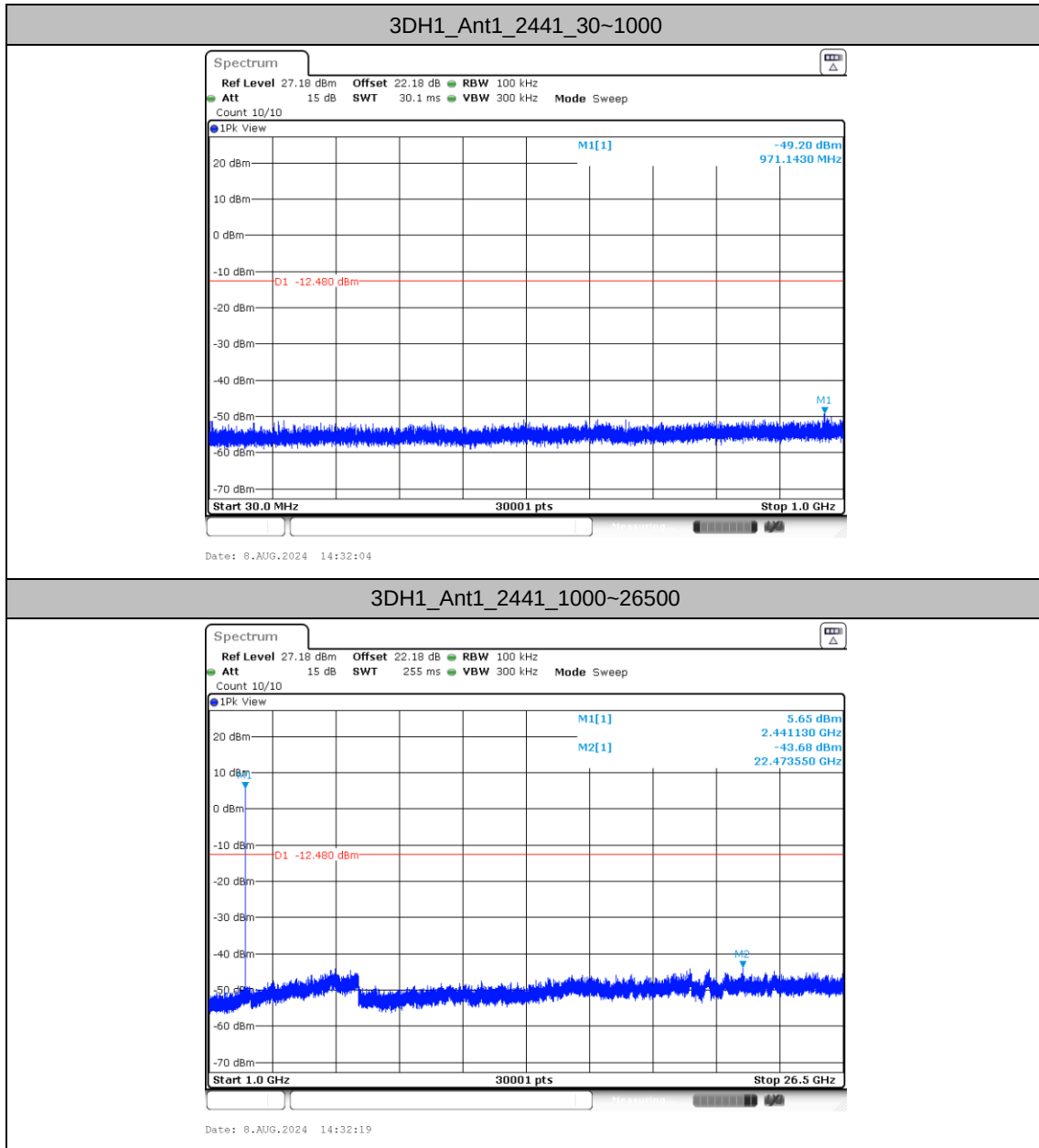


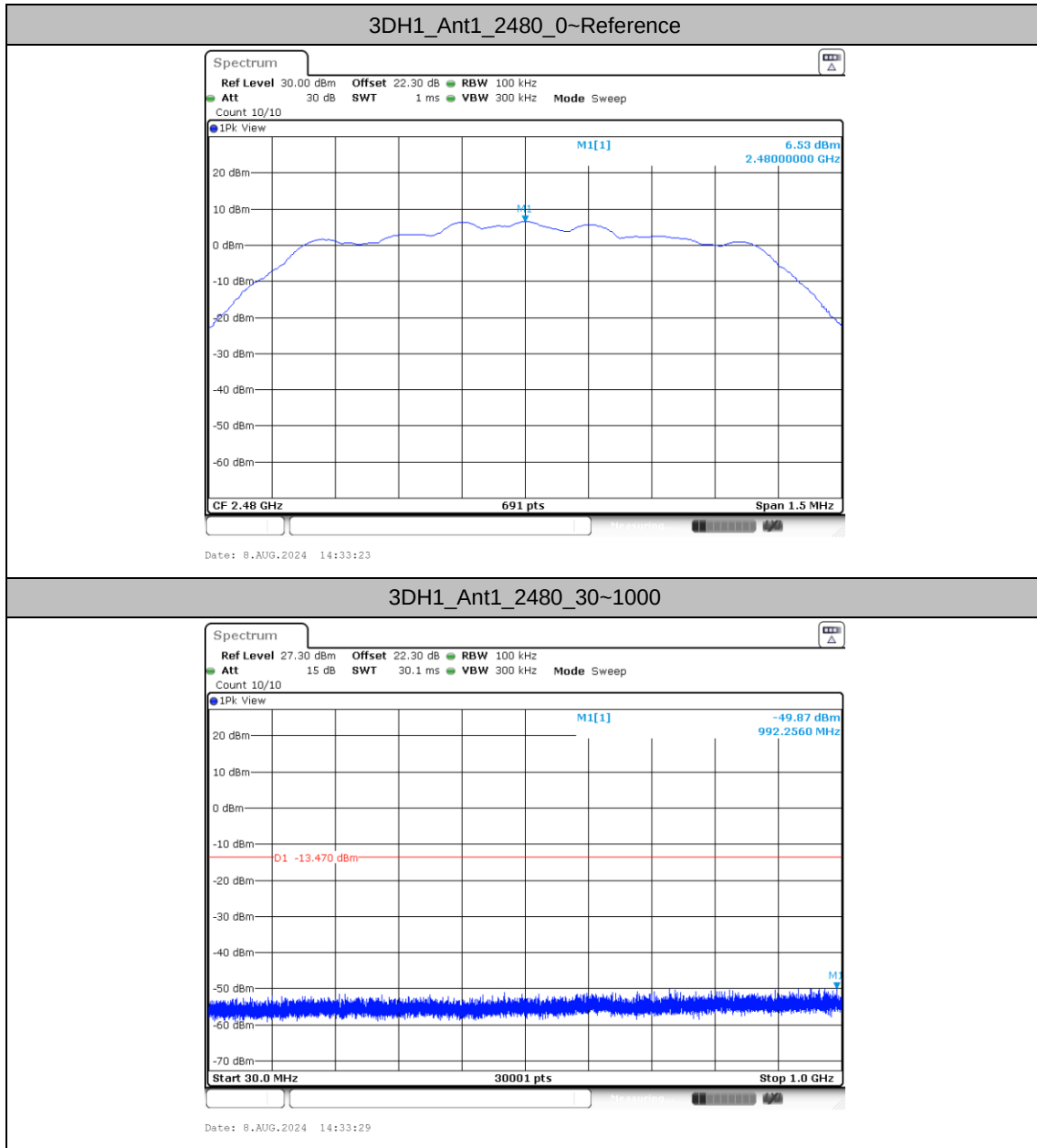
3DH1\_Ant1\_2402\_1000~26500

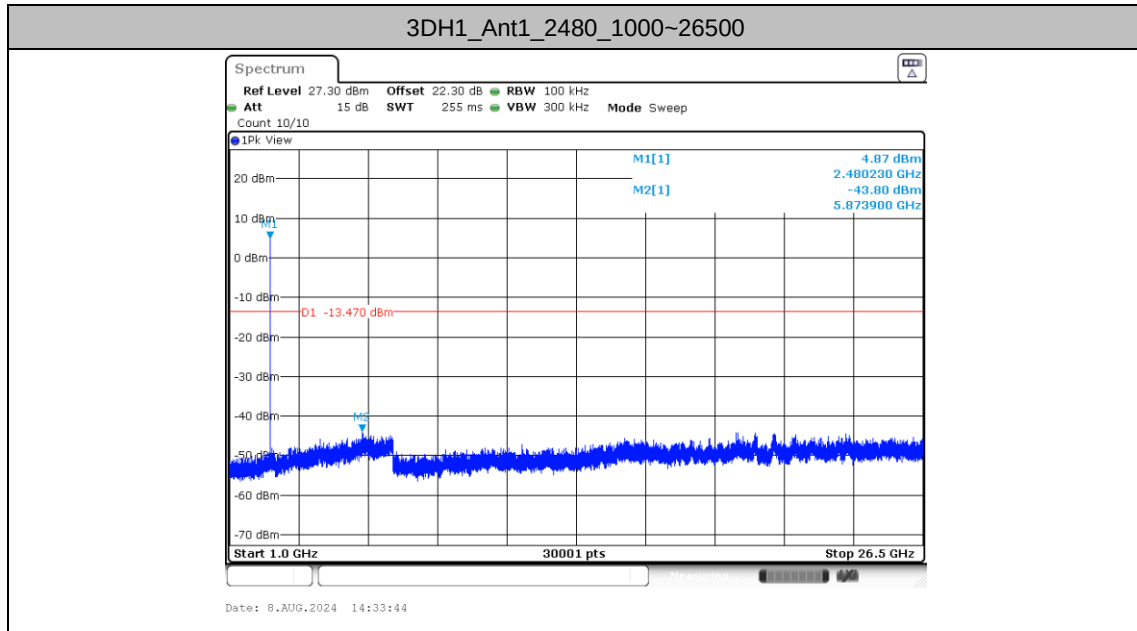


3DH1\_Ant1\_2441\_0~Reference





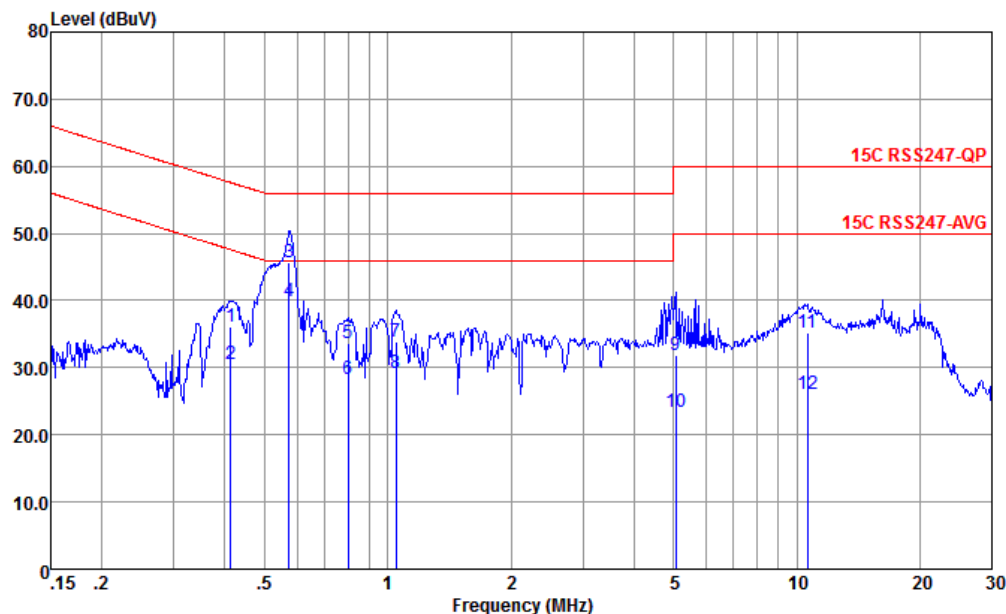






## Appendix B. AC Conducted Emission Test Results

|                 |                                                                                 |                     |             |
|-----------------|---------------------------------------------------------------------------------|---------------------|-------------|
| Test Engineer : | Amos Zhang                                                                      | Temperature :       | 25.3~26.2°C |
|                 |                                                                                 | Relative Humidity : | 38~40%      |
| Test Voltage :  | 120Vac / 60Hz                                                                   | Phase :             | Line        |
| Remark :        | All emissions not reported here are more than 10 dB below the prescribed limit. |                     |             |



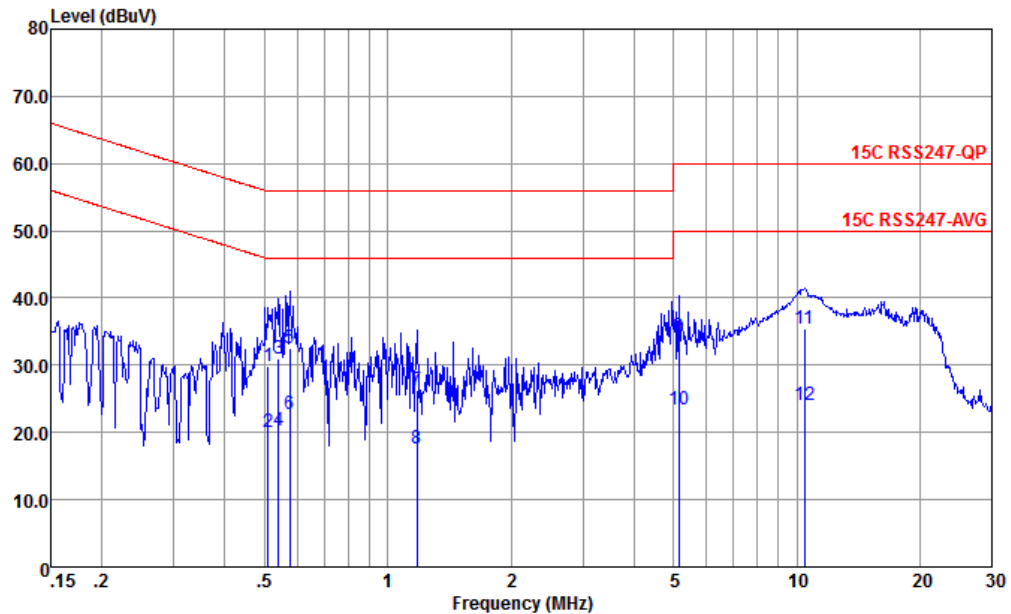
Site : CO01-KS

Condition : 15C RSS247-QP LISN-060105-L 2024 LINE

|     | Freq   | Level | Over   | Limit | Read  | LISN   | Cable | Remark  |
|-----|--------|-------|--------|-------|-------|--------|-------|---------|
|     | MHz    | dBuV  | Limit  | Line  | Level | Factor | Loss  |         |
|     |        |       | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1   | 0.413  | 36.13 | -21.46 | 57.59 | 25.90 | -0.04  | 10.27 | QP      |
| 2   | 0.413  | 30.53 | -17.06 | 47.59 | 20.30 | -0.04  | 10.27 | Average |
| 3   | 0.573  | 45.66 | -10.34 | 56.00 | 35.60 | -0.13  | 10.19 | QP      |
| 4 * | 0.573  | 39.94 | -6.06  | 46.00 | 29.88 | -0.13  | 10.19 | Average |
| 5   | 0.800  | 33.55 | -22.45 | 56.00 | 23.60 | -0.16  | 10.11 | QP      |
| 6   | 0.800  | 28.25 | -17.75 | 46.00 | 18.30 | -0.16  | 10.11 | Average |
| 7   | 1.049  | 33.91 | -22.09 | 56.00 | 24.00 | -0.18  | 10.09 | QP      |
| 8   | 1.049  | 29.11 | -16.89 | 46.00 | 19.20 | -0.18  | 10.09 | Average |
| 9   | 5.058  | 31.84 | -28.16 | 60.00 | 22.00 | -0.22  | 10.06 | QP      |
| 10  | 5.058  | 23.40 | -26.60 | 50.00 | 13.56 | -0.22  | 10.06 | Average |
| 11  | 10.620 | 35.23 | -24.77 | 60.00 | 24.70 | -0.23  | 10.76 | QP      |
| 12  | 10.620 | 26.13 | -23.87 | 50.00 | 15.60 | -0.23  | 10.76 | Average |



|                 |                                                                                 |                     |             |
|-----------------|---------------------------------------------------------------------------------|---------------------|-------------|
| Test Engineer : | Amos Zhang                                                                      | Temperature :       | 25.3~26.2°C |
|                 |                                                                                 | Relative Humidity : | 38~40%      |
| Test Voltage :  | 120Vac / 60Hz                                                                   | Phase :             | Neutral     |
| Remark :        | All emissions not reported here are more than 10 dB below the prescribed limit. |                     |             |



Site : CO01-KS  
Condition : 15C RSS247-QP LISN-060105-N 2024 NEUTRAL

|     | Freq   | Level | Over   | Limit | Read  | LISN   | Cable |         |
|-----|--------|-------|--------|-------|-------|--------|-------|---------|
|     | MHz    | dBuV  | Limit  | Line  | Level | Factor | Loss  | Remark  |
|     |        |       | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1   | 0.510  | 29.96 | -26.04 | 56.00 | 19.89 | -0.15  | 10.22 | QP      |
| 2   | 0.510  | 19.96 | -26.04 | 46.00 | 9.89  | -0.15  | 10.22 | Average |
| 3   | 0.541  | 30.95 | -25.05 | 56.00 | 20.90 | -0.15  | 10.20 | QP      |
| 4   | 0.541  | 20.35 | -25.65 | 46.00 | 10.30 | -0.15  | 10.20 | Average |
| 5   | 0.576  | 32.63 | -23.37 | 56.00 | 22.60 | -0.16  | 10.19 | QP      |
| 6 * | 0.576  | 22.83 | -23.17 | 46.00 | 12.80 | -0.16  | 10.19 | Average |
| 7   | 1.178  | 26.40 | -29.60 | 56.00 | 16.49 | -0.18  | 10.09 | QP      |
| 8   | 1.178  | 17.70 | -28.30 | 46.00 | 7.79  | -0.18  | 10.09 | Average |
| 9   | 5.139  | 34.36 | -25.64 | 60.00 | 24.51 | -0.21  | 10.06 | QP      |
| 10  | 5.139  | 23.36 | -26.64 | 50.00 | 13.51 | -0.21  | 10.06 | Average |
| 11  | 10.452 | 35.36 | -24.64 | 60.00 | 24.90 | -0.27  | 10.73 | QP      |
| 12  | 10.452 | 23.96 | -26.04 | 50.00 | 13.50 | -0.27  | 10.73 | Average |

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



## Appendix C Radiated Spurious Emission Test Data

|                 |        |                     |              |
|-----------------|--------|---------------------|--------------|
| Test Engineer : | Koi Ji | Relative Humidity : | 51 ~ 53%     |
|                 |        | Temperature :       | 25.2 ~ 26.5℃ |

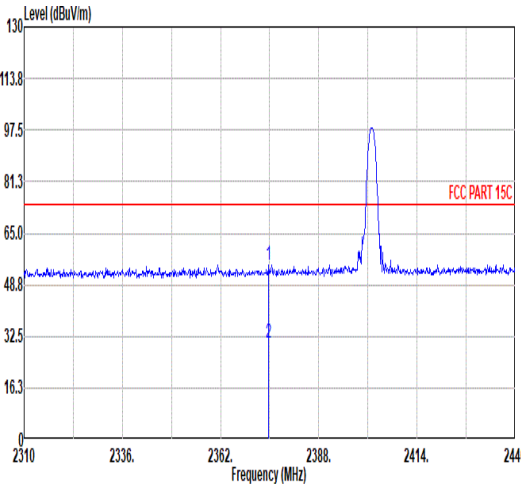
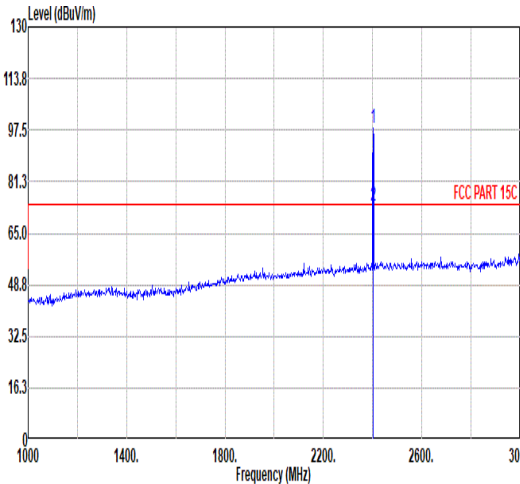
### Radiated Spurious Emission Test Modes

| Mode   | Band (MHz)  | Antenna | Modulation        | Channel | Frequency | Data Rate | RU | Remark |
|--------|-------------|---------|-------------------|---------|-----------|-----------|----|--------|
| Mode 1 | 2400-2483.5 | 1       | Bluetooth BR_GFSK | 00      | 2402      | 1Mbps     | -  | -      |
| Mode 2 | 2400-2483.5 | 1       | Bluetooth BR_GFSK | 39      | 2441      | 1Mbps     | -  | -      |
| Mode 3 | 2400-2483.5 | 1       | Bluetooth BR_GFSK | 78      | 2480      | 1Mbps     | -  | -      |

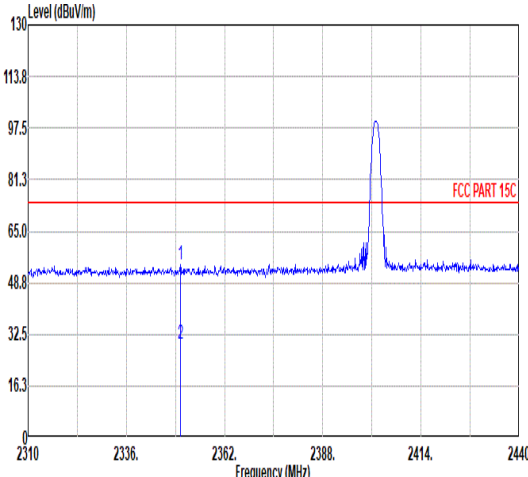
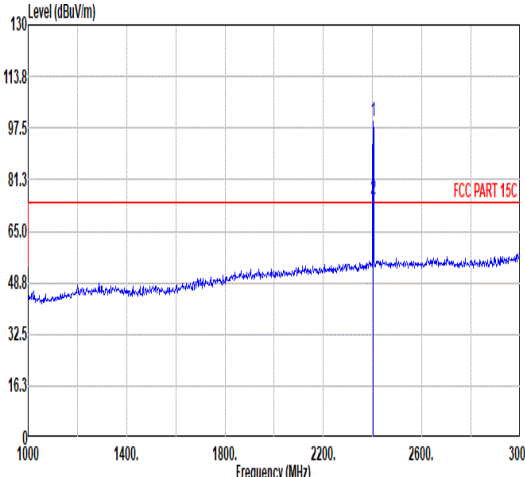
### Summary of each worse mode

| Mode | Modulation        | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark    |
|------|-------------------|-----|-------------|----------------|----------------|-------------|------|-----------|--------|-----------|
| 1    | Bluetooth BR_GFSK | 00  | 2374.74     | 55.12          | 74.00          | -18.88      | H    | PEAK      | Pass   | Band Edge |
| 1    | Bluetooth BR_GFSK | 00  | 4804.00     | 41.00          | 74.00          | -33.00      | V    | PEAK      | Pass   | Harmonic  |
| 2    | Bluetooth BR_GFSK | 39  | -           | -              | -              | -           | -    | -         | -      | Band Edge |
| 2    | Bluetooth BR_GFSK | 39  | 7323.00     | 42.15          | 74.00          | -31.85      | H    | PEAK      | Pass   | Harmonic  |
| 3    | Bluetooth BR_GFSK | 78  | 2484.72     | 56.23          | 74.00          | -17.77      | V    | PEAK      | Pass   | Band Edge |
| 3    | Bluetooth BR_GFSK | 78  | 7440.00     | 42.28          | 74.00          | -31.72      | V    | PEAK      | Pass   | Harmonic  |

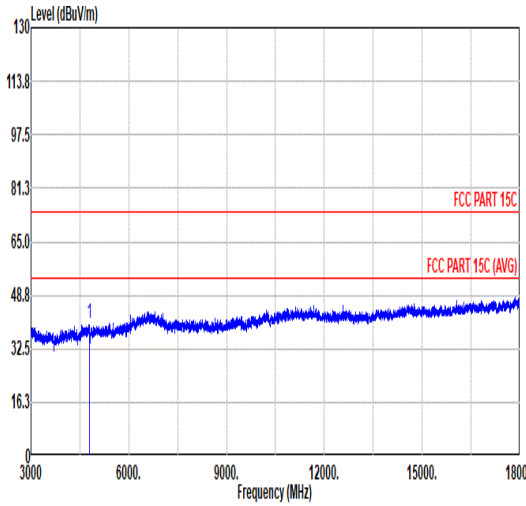
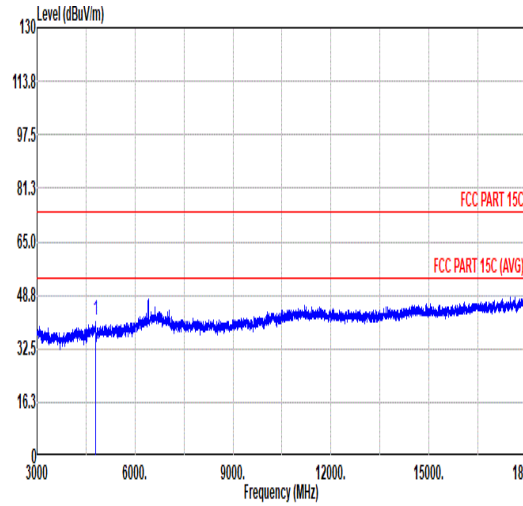


|      |         | 1                                                                                  |        |        |        |       |       |                                                                                     |        |      |      |         |        |
|------|---------|------------------------------------------------------------------------------------|--------|--------|--------|-------|-------|-------------------------------------------------------------------------------------|--------|------|------|---------|--------|
| Mode |         | Band Edge                                                                          |        |        |        |       |       |                                                                                     |        |      |      |         |        |
|      |         | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                         |        |        |        |       |       |                                                                                     |        |      |      |         |        |
| ANT  |         | 1                                                                                  |        |        |        |       |       |                                                                                     |        |      |      |         |        |
| Pol. |         | Horizontal                                                                         |        |        |        |       |       | Fundamental                                                                         |        |      |      |         |        |
| Peak |         |  |        |        |        |       |       |  |        |      |      |         |        |
|      |         | Limit                                                                              |        |        |        |       |       | Limit                                                                               |        |      |      |         |        |
|      |         | Freq                                                                               | Level  | Line   | Margin | Read  | Ant   | Cable                                                                               | Preamp | Aux  | APos | TPos    | Remark |
|      |         | MHz                                                                                | dBuV/m | dBuV/m | dB     | dBuV  | dB/m  | dB                                                                                  | dB     | dB   | cm   | deg     |        |
| 1    | 2374.74 | 55.12                                                                              | 74.00  | -18.88 | 39.27  | 32.05 | 8.74  | 30.94                                                                               | 6.00   | 100  | 209  | PEAK    |        |
| 2    | 2374.74 | 30.33                                                                              | 54.00  | -23.67 | 14.48  | 32.05 | 8.74  | 30.94                                                                               | 6.00   | 100  | 209  | AVERAGE |        |
|      |         | Limit                                                                              |        |        |        |       |       | Limit                                                                               |        |      |      |         |        |
|      | Freq    | Level                                                                              | Line   | Margin | Read   | Ant   | Cable | Preamp                                                                              | Aux    | APos | TPos | Remark  |        |
|      | MHz     | dBuV/m                                                                             | dBuV/m | dB     | dBuV   | dB/m  | dB    | dB                                                                                  | dB     | cm   | deg  |         |        |
| 1    | 2402.00 | 98.16                                                                              | -----  | -----  | 82.09  | 32.20 | 8.80  | 30.93                                                                               | 6.00   | 100  | 209  | PEAK    |        |
| 2    | 2402.00 | 73.37                                                                              | -----  | -----  | 57.30  | 32.20 | 8.80  | 30.93                                                                               | 6.00   | 100  | 209  | AVERAGE |        |

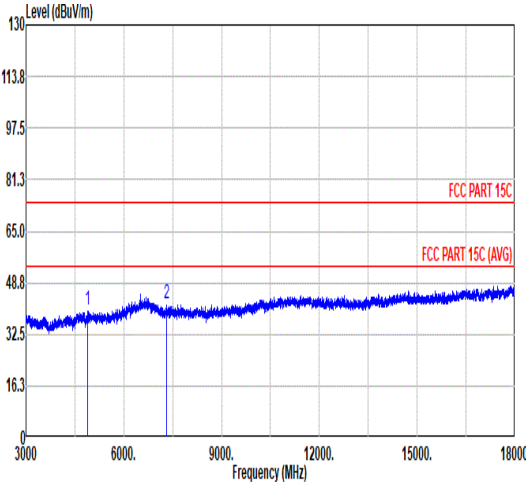
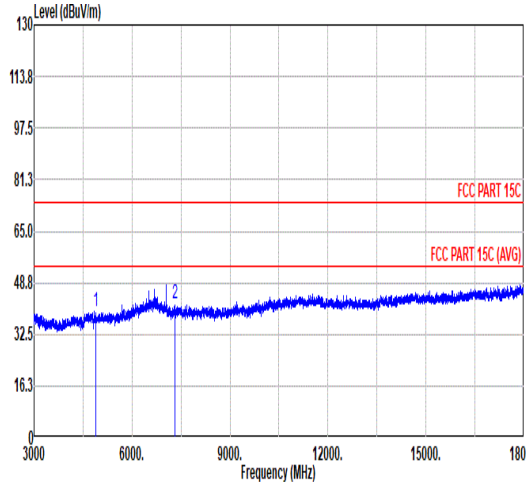


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----------|--|-------|------|-----|-------|--------|-----|------|------|--|--|------|-------|------|--------|-------|--------|------|--------|--------|----|-----|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|--------|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2"></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2350.30</td><td>54.44</td><td>74.00</td><td>-19.56</td><td>30.80</td><td>31.90</td><td>8.68</td><td>30.94</td><td>6.00</td><td>224</td><td>0 PEAK</td></tr><tr><td>2</td><td>2350.30</td><td>29.65</td><td>54.00</td><td>-24.35</td><td>14.01</td><td>31.90</td><td>8.68</td><td>30.94</td><td>6.00</td><td>224</td><td>0 AVERAGE</td></tr></table> |        |        |        |        |        |        |        |      |     |           |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | cm | deg |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 2350.30 | 54.44 | 74.00 | -19.56 | 30.80 | 31.90 | 8.68 | 30.94 | 6.00 | 224 | 0 PEAK | 2 | 2350.30 | 29.65 | 54.00 | -24.35 | 14.01 | 31.90 | 8.68 | 30.94 | 6.00 | 224 | 0 AVERAGE |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Limit  | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line   | Margin | Level  | Factor | Loss   | Factor | Factor | cm   | deg |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | dB   | cm  | deg       |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| 1    | 2350.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 54.44  | 74.00  | -19.56 | 30.80  | 31.90  | 8.68   | 30.94  | 6.00 | 224 | 0 PEAK    |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| 2    | 2350.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 29.65  | 54.00  | -24.35 | 14.01  | 31.90  | 8.68   | 30.94  | 6.00 | 224 | 0 AVERAGE |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | Fundamental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2"></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2402.00</td><td>99.79</td><td>-----</td><td>-----</td><td>83.72</td><td>32.20</td><td>8.80</td><td>30.93</td><td>6.00</td><td>224</td><td>0 PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>75.00</td><td>-----</td><td>-----</td><td>58.93</td><td>32.20</td><td>8.80</td><td>30.93</td><td>6.00</td><td>224</td><td>0 AVERAGE</td></tr></table>   |        |        |        |        |        |        |        |      |     |           |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | cm | deg |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 2402.00 | 99.79 | ----- | -----  | 83.72 | 32.20 | 8.80 | 30.93 | 6.00 | 224 | 0 PEAK | 2 | 2402.00 | 75.00 | ----- | -----  | 58.93 | 32.20 | 8.80 | 30.93 | 6.00 | 224 | 0 AVERAGE |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos   |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line   | Margin | Level  | Factor | Loss   | Factor | Factor | cm   | deg |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | dB   | cm  | deg       |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| 1    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99.79  | -----  | -----  | 83.72  | 32.20  | 8.80   | 30.93  | 6.00 | 224 | 0 PEAK    |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
| 2    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75.00  | -----  | -----  | 58.93  | 32.20  | 8.80   | 30.93  | 6.00 | 224 | 0 AVERAGE |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |        |        |        |        |        |        |      |     |           |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |        |   |         |       |       |        |       |       |      |       |      |     |           |

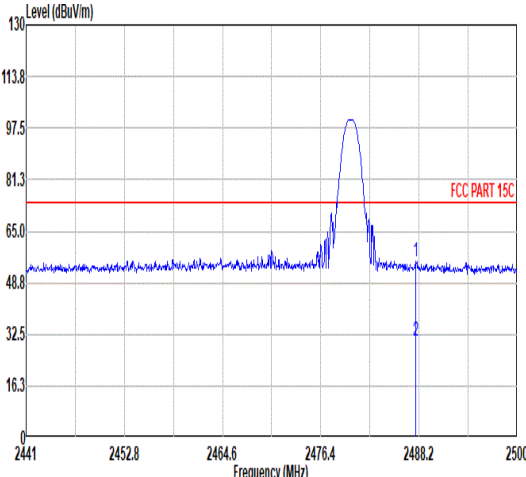
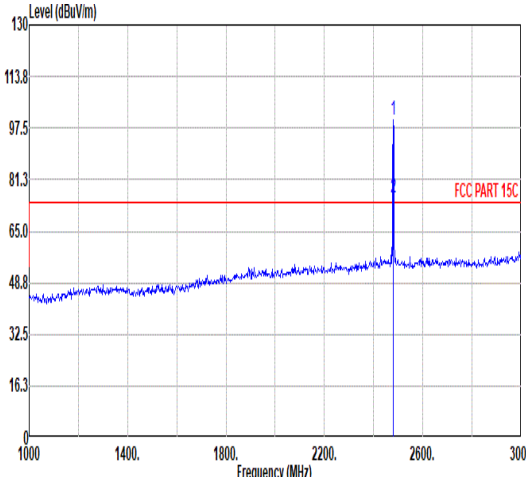


| Mode            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |        |        |        |       |                                                                                     |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|--------|--------|-------|-------------------------------------------------------------------------------------|--------|-------|------|--------|------|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------|--|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |        |        |       |                                                                                     |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|                 | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |        |        |       |                                                                                     |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| ANT             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |        |        |        |       |                                                                                     |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |        |        |       | Vertical                                                                            |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |        |        |        |       |  |        |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|                 | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th colspan="2"></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4804.00</td><td>40.09</td><td>74.00</td><td>-33.91</td><td>59.38</td><td>34.11</td><td>12.57</td><td>65.97</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |       |        |        |        |       |                                                                                     |        | Limit |      | Read   | Ant  | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 4804.00 | 40.09 | 74.00 | -33.91 | 59.38 | 34.11 | 12.57 | 65.97 | 0.00 | -- | -- | PEAK | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th colspan="2"></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4804.00</td><td>41.00</td><td>74.00</td><td>-33.00</td><td>60.29</td><td>34.11</td><td>12.57</td><td>65.97</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |  |  |  |  |  |  |  | Limit |  | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 4804.00 | 41.00 | 74.00 | -33.00 | 60.29 | 34.11 | 12.57 | 65.97 | 0.00 | -- | -- |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Limit |        | Read   | Ant    | Cable | Preamp                                                                              | Aux    | APos  | TPos | Remark |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line  | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MHz   | dBuV/m | dBuV/m | dB     | dBuV  | dB/m                                                                                | dB     | dB    | dB   | cm     | deg  |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| 1               | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40.09 | 74.00  | -33.91 | 59.38  | 34.11 | 12.57                                                                               | 65.97  | 0.00  | --   | --     | PEAK |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Limit |        | Read   | Ant    | Cable | Preamp                                                                              | Aux    | APos  | TPos | Remark |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line  | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |       |      |        |      |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MHz   | dBuV/m | dBuV/m | dB     | dBuV  | dB/m                                                                                | dB     | dB    | dB   | cm     | deg  |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |
| 1               | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 41.00 | 74.00  | -33.00 | 60.29  | 34.11 | 12.57                                                                               | 65.97  | 0.00  | --   | --     | PEAK |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |

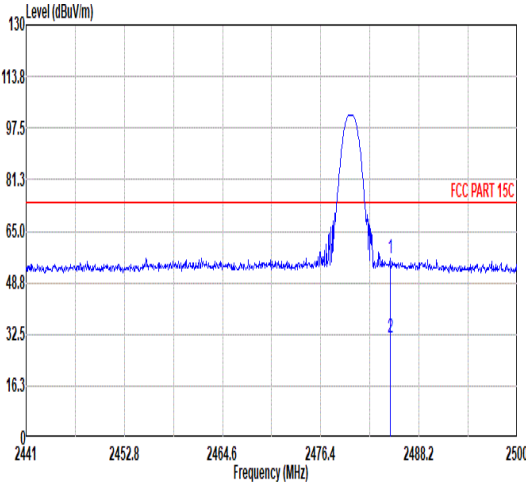
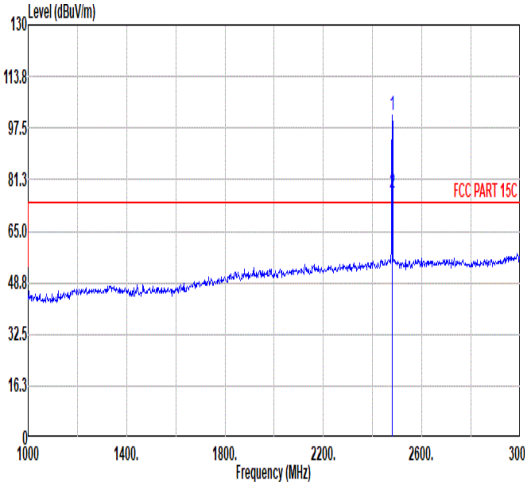


| Mode            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|--------|--------|-------|-------------------------------------------------------------------------------------|--------|--------|------|------|--------|--------|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------|--|------|--|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | 2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| ANT             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |        |        |        |       | Vertical                                                                            |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |        |        |        |       |  |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th colspan="2"></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4882.00</td><td>40.21</td><td>74.00</td><td>-33.79</td><td>59.46</td><td>34.14</td><td>12.47</td><td>65.86</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>42.15</td><td>74.00</td><td>-31.85</td><td>56.89</td><td>35.75</td><td>14.72</td><td>65.21</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |       |        |        |        |       |                                                                                     |        | Limit  |      | Read |        | Ant    | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 4882.00 | 40.21 | 74.00 | -33.79 | 59.46 | 34.14 | 12.47 | 65.86 | 0.00 | -- | -- | PEAK | 2 | 7323.00 | 42.15 | 74.00 | -31.85 | 56.89 | 35.75 | 14.72 | 65.21 | 0.00 | -- | -- | PEAK | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th colspan="2"></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4882.00</td><td>39.79</td><td>74.00</td><td>-34.21</td><td>59.04</td><td>34.14</td><td>12.47</td><td>65.86</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>42.10</td><td>74.00</td><td>-31.90</td><td>56.84</td><td>35.75</td><td>14.72</td><td>65.21</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |  |  |  |  |  |  |  | Limit |  | Read |  | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 4882.00 | 39.79 | 74.00 | -34.21 | 59.04 | 34.14 | 12.47 | 65.86 | 0.00 | -- | -- | PEAK | 2 | 7323.00 | 42.10 | 74.00 | -31.90 | 56.84 | 35.75 | 14.72 | 65.21 | 0.00 | -- | -- | PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | Limit  |        | Read   |       | Ant                                                                                 | Cable  | Preamp | Aux  | APos | TPos   | Remark |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Line  | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MHz   | dBuV/m | dBuV/m | dB     | dBuV  | dB/m                                                                                | dB     | dB     | dB   | cm   | deg    |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40.21 | 74.00  | -33.79 | 59.46  | 34.14 | 12.47                                                                               | 65.86  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 42.15 | 74.00  | -31.85 | 56.89  | 35.75 | 14.72                                                                               | 65.21  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Limit |        | Read   |        | Ant   | Cable                                                                               | Preamp | Aux    | APos | TPos | Remark |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Line  | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MHz   | dBuV/m | dBuV/m | dB     | dBuV  | dB/m                                                                                | dB     | dB     | dB   | cm   | deg    |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 39.79 | 74.00  | -34.21 | 59.04  | 34.14 | 12.47                                                                               | 65.86  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 42.10 | 74.00  | -31.90 | 56.84  | 35.75 | 14.72                                                                               | 65.21  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |

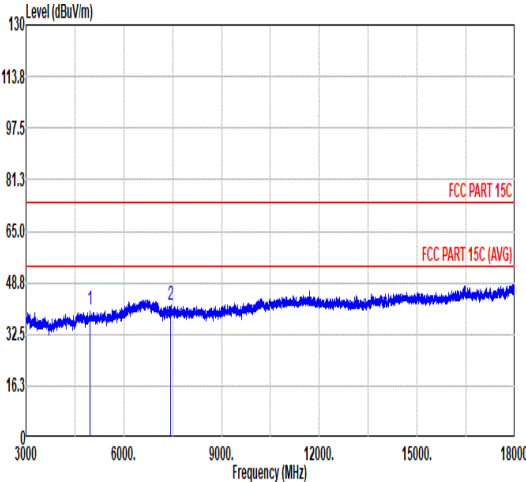
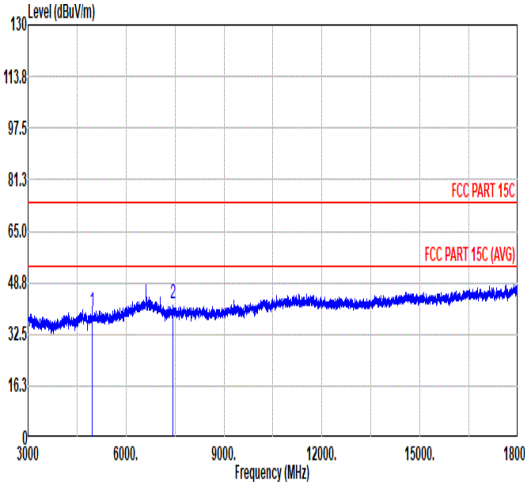


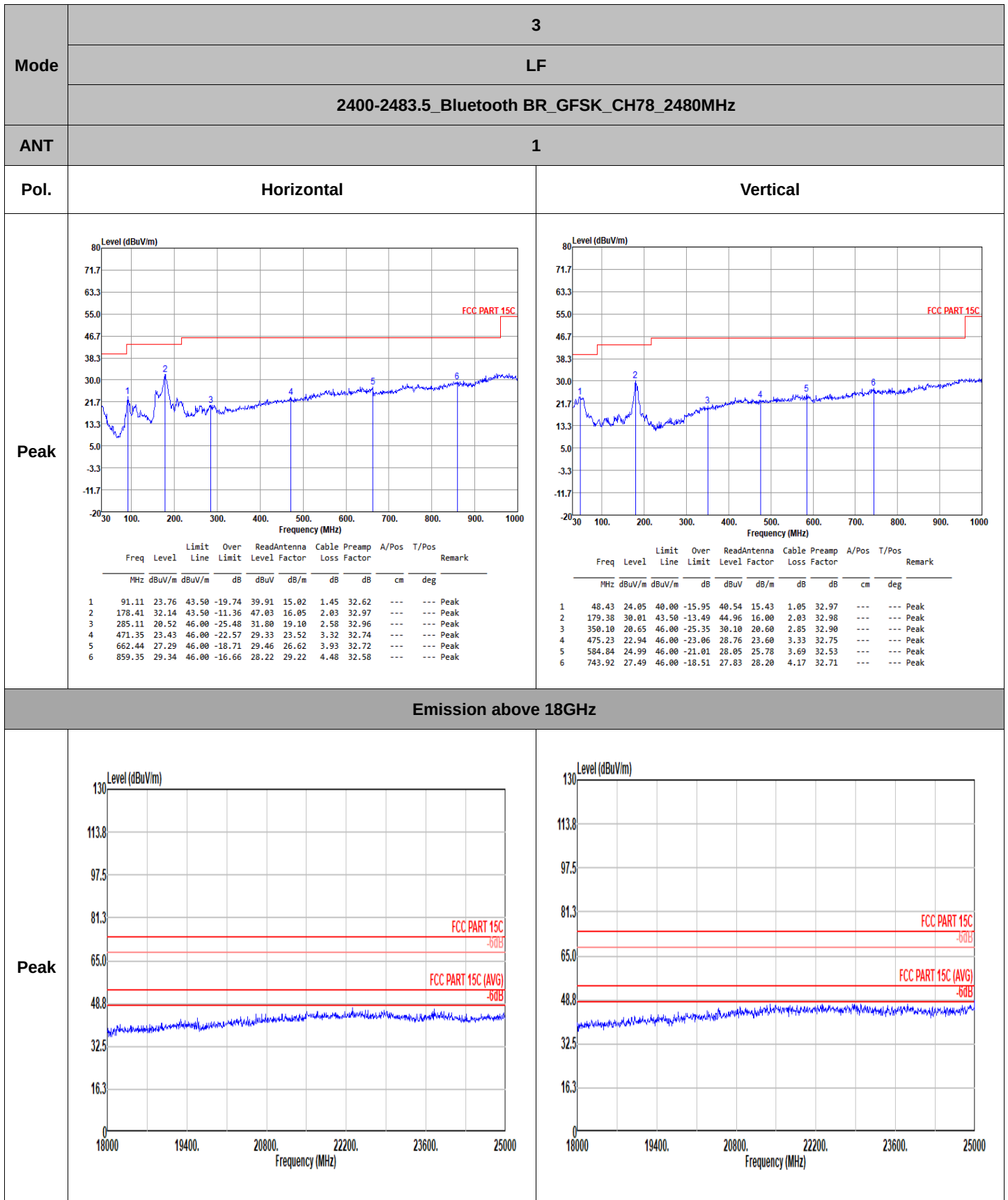
| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |             |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|-------|-------|------|-------|------|-----|-----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |       |             |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       |             |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |             |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| Peak |  <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2487.79</td><td>55.30</td><td>74.00</td><td>-18.70</td><td>39.06</td><td>32.38</td><td>8.83</td><td>30.97</td><td>6.00</td><td>323</td><td>360</td><td>PEAK</td></tr><tr><td>2</td><td>2487.79</td><td>30.51</td><td>74.00</td><td>-43.49</td><td>14.27</td><td>32.38</td><td>8.83</td><td>30.97</td><td>6.00</td><td>323</td><td>360</td><td>AVERAGE</td></tr></table> |        |        |        |        |       |             | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2487.79 | 55.30 | 74.00 | -18.70 | 39.06 | 32.38 | 8.83 | 30.97 | 6.00 | 323 | 360 | PEAK | 2 | 2487.79 | 30.51 | 74.00 | -43.49 | 14.27 | 32.38 | 8.83 | 30.97 | 6.00 | 323 | 360 | AVERAGE |  <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>100.27</td><td>-----</td><td>-----</td><td>84.06</td><td>32.36</td><td>8.82</td><td>30.97</td><td>6.00</td><td>323</td><td>360</td><td>PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>75.48</td><td>54.00</td><td>21.48</td><td>59.27</td><td>32.36</td><td>8.82</td><td>30.97</td><td>6.00</td><td>323</td><td>360</td><td>AVERAGE</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2480.00 | 100.27 | ----- | ----- | 84.06 | 32.36 | 8.82 | 30.97 | 6.00 | 323 | 360 | PEAK | 2 | 2480.00 | 75.48 | 54.00 | 21.48 | 59.27 | 32.36 | 8.82 | 30.97 | 6.00 | 323 | 360 | AVERAGE |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| 1    | 2487.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 55.30  | 74.00  | -18.70 | 39.06  | 32.38 | 8.83        | 30.97  | 6.00   | 323 | 360   | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| 2    | 2487.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30.51  | 74.00  | -43.49 | 14.27  | 32.38 | 8.83        | 30.97  | 6.00   | 323 | 360   | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| 1    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100.27 | -----  | -----  | 84.06  | 32.36 | 8.82        | 30.97  | 6.00   | 323 | 360   | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 75.48  | 54.00  | 21.48  | 59.27  | 32.36 | 8.82        | 30.97  | 6.00   | 323 | 360   | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |       |       |      |       |      |     |     |         |



| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |                                                                                     |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------------------------------------------------------------------------------|--------|-------|------|------------|--------|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|---------|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------|--|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|---------|---|---------|-------|-------|-------|-------|-------|------|-------|------|-----|------------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |       |                                                                                     |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |        |        |        |       |                                                                                     |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |                                                                                     |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |        |        |       | Fundamental                                                                         |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |  |        |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|      | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2484.72</td><td>56.23</td><td>74.00</td><td>-17.77</td><td>40.00</td><td>32.37</td><td>8.83</td><td>30.97</td><td>6.00</td><td>100</td><td>64 PEAK</td></tr><tr><td>2</td><td>2484.72</td><td>31.44</td><td>54.00</td><td>-22.56</td><td>15.21</td><td>32.37</td><td>8.83</td><td>30.97</td><td>6.00</td><td>100</td><td>64 AVERAGE</td></tr></table> |        |        |        |        |       |                                                                                     |        | Limit |      | Read       | Ant    | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 2484.72 | 56.23 | 74.00 | -17.77 | 40.00 | 32.37 | 8.83 | 30.97 | 6.00 | 100 | 64 PEAK | 2 | 2484.72 | 31.44 | 54.00 | -22.56 | 15.21 | 32.37 | 8.83 | 30.97 | 6.00 | 100 | 64 AVERAGE | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>101.79</td><td>-----</td><td>-----</td><td>85.58</td><td>32.36</td><td>8.82</td><td>30.97</td><td>6.00</td><td>100</td><td>64 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>77.00</td><td>54.00</td><td>23.00</td><td>60.79</td><td>32.36</td><td>8.82</td><td>30.97</td><td>6.00</td><td>100</td><td>64 AVERAGE</td></tr></table> |  |  |  |  |  |  |  | Limit |  | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg | 1 | 2480.00 | 101.79 | ----- | ----- | 85.58 | 32.36 | 8.82 | 30.97 | 6.00 | 100 | 64 PEAK | 2 | 2480.00 | 77.00 | 54.00 | 23.00 | 60.79 | 32.36 | 8.82 | 30.97 | 6.00 | 100 | 64 AVERAGE |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | Limit  |        | Read   | Ant   | Cable                                                                               | Preamp | Aux   | APos | TPos       | Remark |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Line   | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                  | dB     | dB    | cm   | deg        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| 1    | 2484.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 56.23  | 74.00  | -17.77 | 40.00  | 32.37 | 8.83                                                                                | 30.97  | 6.00  | 100  | 64 PEAK    |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| 2    | 2484.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 31.44  | 54.00  | -22.56 | 15.21  | 32.37 | 8.83                                                                                | 30.97  | 6.00  | 100  | 64 AVERAGE |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Limit  |        | Read   | Ant    | Cable | Preamp                                                                              | Aux    | APos  | TPos | Remark     |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Line   | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |       |      |            |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                  | dB     | dB    | cm   | deg        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| 1    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 101.79 | -----  | -----  | 85.58  | 32.36 | 8.82                                                                                | 30.97  | 6.00  | 100  | 64 PEAK    |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 77.00  | 54.00  | 23.00  | 60.79  | 32.36 | 8.82                                                                                | 30.97  | 6.00  | 100  | 64 AVERAGE |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |         |   |         |       |       |        |       |       |      |       |      |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |       |  |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |         |   |         |       |       |       |       |       |      |       |      |     |            |



| Mode            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------------------------------------------------------------------------------|--------|--------|------|------|--------|--------|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------|--|------|--|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|--|-----|--------|--------|----|------|------|----|----|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| ANT             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |                                                                                     |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       | Vertical                                                                            |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |  |        |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4960.00</td><td>40.47</td><td>74.00</td><td>-33.53</td><td>59.90</td><td>33.94</td><td>12.38</td><td>65.75</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>41.91</td><td>74.00</td><td>-32.09</td><td>56.76</td><td>35.80</td><td>14.92</td><td>65.57</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |        |        |        |        |       |                                                                                     |        | Limit  |      | Read |        | Ant    | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | dB | cm | deg |  | 1 | 4960.00 | 40.47 | 74.00 | -33.53 | 59.90 | 33.94 | 12.38 | 65.75 | 0.00 | -- | -- | PEAK | 2 | 7440.00 | 41.91 | 74.00 | -32.09 | 56.76 | 35.80 | 14.92 | 65.57 | 0.00 | -- | -- | PEAK | <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4960.00</td><td>39.76</td><td>74.00</td><td>-34.24</td><td>59.19</td><td>33.94</td><td>12.38</td><td>65.75</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>42.28</td><td>74.00</td><td>-31.72</td><td>57.13</td><td>35.80</td><td>14.92</td><td>65.57</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |  |  |  |  |  |  |  | Limit |  | Read |  | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | dB | cm | deg |  | 1 | 4960.00 | 39.76 | 74.00 | -34.24 | 59.19 | 33.94 | 12.38 | 65.75 | 0.00 | -- | -- | PEAK | 2 | 7440.00 | 42.28 | 74.00 | -31.72 | 57.13 | 35.80 | 14.92 | 65.57 | 0.00 | -- | -- | PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Limit  |        | Read   |       | Ant                                                                                 | Cable  | Preamp | Aux  | APos | TPos   | Remark |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line   | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| MHz             | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | dBuV/m | dB     | dBuV   | dB/m   | dB    | dB                                                                                  | dB     | dB     | cm   | deg  |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40.47  | 74.00  | -33.53 | 59.90  | 33.94 | 12.38                                                                               | 65.75  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 41.91  | 74.00  | -32.09 | 56.76  | 35.80 | 14.92                                                                               | 65.57  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Limit  |        | Read   |        | Ant   | Cable                                                                               | Preamp | Aux    | APos | TPos | Remark |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line   | Margin | Level  | Factor | Loss  | Factor                                                                              | Factor |        |      |      |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| MHz             | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | dBuV/m | dB     | dBuV   | dB/m   | dB    | dB                                                                                  | dB     | dB     | cm   | deg  |        |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 39.76  | 74.00  | -34.24 | 59.19  | 33.94 | 12.38                                                                               | 65.75  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 42.28  | 74.00  | -31.72 | 57.13  | 35.80 | 14.92                                                                               | 65.57  | 0.00   | --   | --   | PEAK   |        |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |       |  |      |  |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |  |     |        |        |    |      |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |    |      |   |         |       |       |        |       |       |       |       |      |    |    |      |

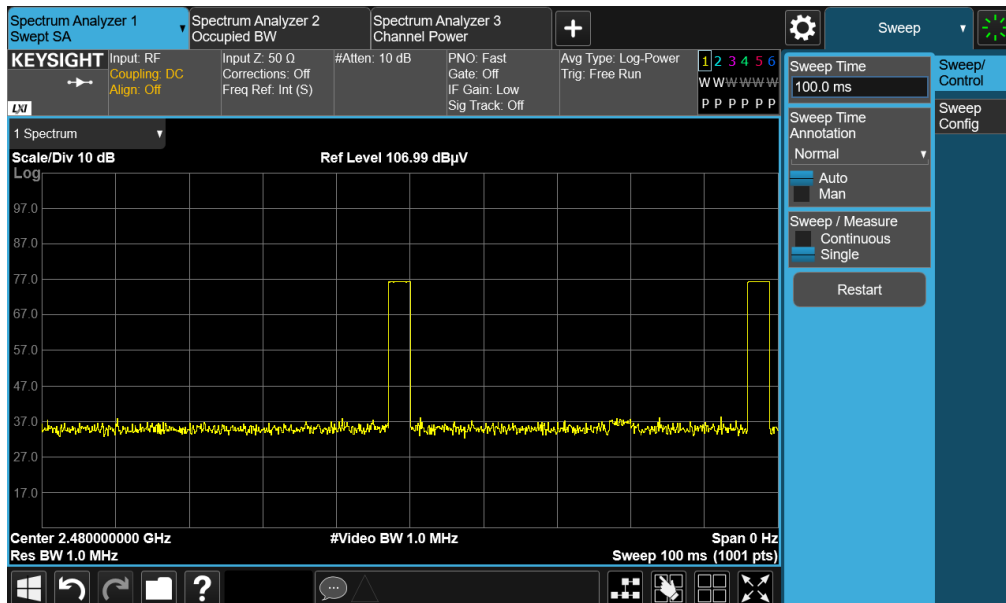


## Appendix D. Duty Cycle Plots

### DH5 on time (One Pulse) Plot on Channel 39



### DH5 on time (Count Pulses) Plot on Channel 39



#### Note:

1. Worst case Duty cycle = on time/100 milliseconds =  $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor =  $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

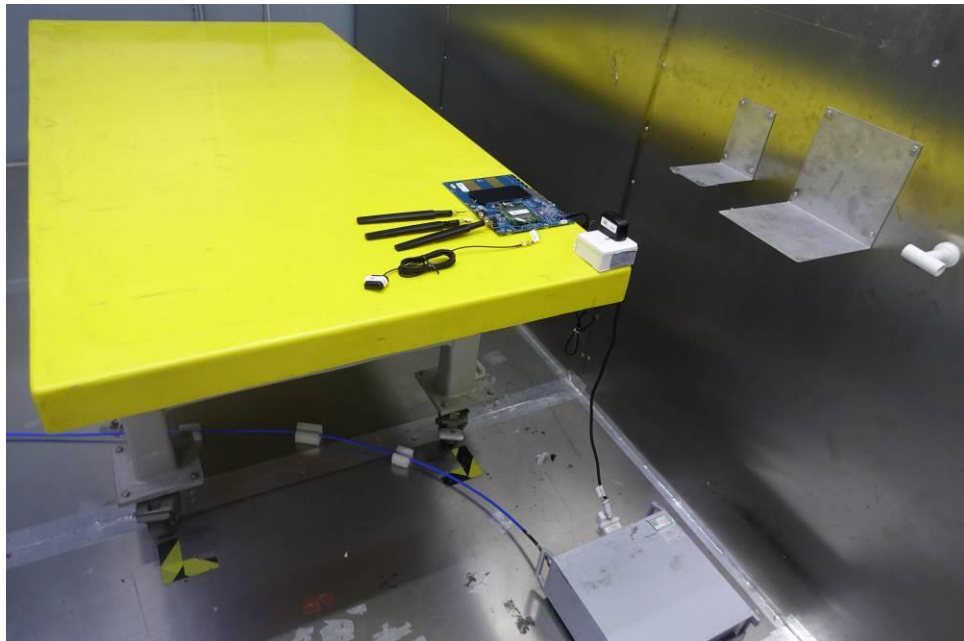
## Appendix E. Setup Photographs

### <AC Conducted Emission>

Remote View



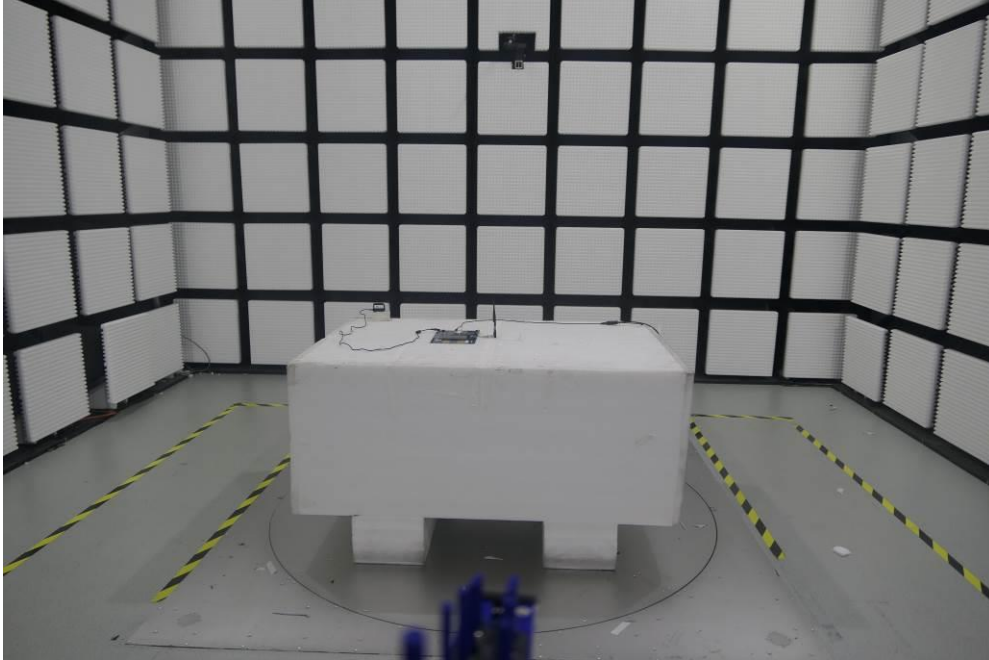
Rear View



## &lt;Radiated Emission&gt;

## Y Plane

## LF



## HF

